



The Sizewell C Project

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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: Freight Management Facility

Phase 1 Desk Study Report

EDF Energy

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Glossary of Abbreviations and Technical Terms

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

1. Introduction

1.1. General

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

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

This report is concerned with the freight management facility which will be used to support the construction of Sizewell C. The facility will be located to the north-east of Levington at one of two locations, either Seven Hills (Option 1) or Innocence Farm (Option 2) (referred to herein as the sites). The locations of the two options are 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, where possible, the findings of the environmental desk study relevant to the proposed development and to identify key gaps in data should there be any. The key focus of the report is to identify potential contamination risks associated with the proposed development through preparation of a factual summary of the available information and where necessary, to assess the completeness and relevance of this information to identify requirements for further investigation. The information within this report will also form the baseline conditions for use in preparation of the Environmental Statement. An outline of the report content is provided below.

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

1.3. Limitations

The conclusions and recommendations of this report are based on the project description, red line boundaries and Figure 1 (Appendix A) provided to Atkins at the time of writing the draft report (July 2019).

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

2. Site Location and Description

2.1. Proposed Development and Boundary

The proposed development comprises a freight management facility which will be located in Levington at either Seven Hills or Innocence Farm.

The proposed freight management facility will comprise a waiting area for Heavy Goods Vehicles (HGV) and will be used to control the volume of HGV traffic to and from the Main Development Site during the construction works. Following the construction of Sizewell C, the freight management facility will be reinstated to its current land use. The red line boundaries for the two freight management facility options are provided in Figure 1 included in Appendix A.

2.2. Site Location

The freight management facility will be located approximately 32km south-west of the Main Development Site, to the north of Levington at one of two locations.

The Seven Hills site is located approximately 1.5km north of Levington and the National Grid Reference (NGR) for the approximate centre of the site is TM 23944 40696. The Innocence Farm site is located approximately 2.0km north of Levington and the NGR for the approximate centre of the site is TM 26025 39032.

Both sites comprise agricultural land located adjacent to the A14 and are roughly rectangular in shape.

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 evidence of contamination present at the sites, at the time of the visit. The observations from the site visits are summarised below and photographs are provided in Appendix F.

2.3.1. Land Use

Both sites were noted to comprise large open fields and farmed agricultural land. Felixstowe Road is present within the south of the Seven Hills site.

2.3.2. Site Boundaries

The Seven Hills site is bounded by the A14 to the north and the Felixstowe Branch Railway Line is present along the southern boundary of the site. Levington Heath is present adjacent to the east of the site and Levington Lane is present adjacent to the north-east of the site. The site's western boundary is formed by open agricultural fields.

The Innocence Farm site is bounded by the A14 to the south and south west. Croft Lane forms the northern and north-western boundaries of the site. The site's north eastern and south eastern boundaries are formed by open agricultural fields.

2.3.3. Surrounding Area

Agricultural land is present within the area surrounding the north, south and west of the Seven Hills site. Levington Park (commercial area) is present 480m to the south of the site. Levington Heath is present to the east of the site comprising health land and public footpaths. Mill Plantation and several residential properties are present within the Levington Heath.

The area surrounding the Innocence Farm site mainly comprises agricultural land. Croft House is located adjacent to the northern corner of the site. The Felixstowe Branch Railway Line is present 200m to the south of the site.

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2.3.4. Ground Cover and Topography

The ground cover at both sites is agricultural land which at the time of the site visit, comprised crops and ploughed soil at Seven Hills and grass at Innocence Farm. Felixstowe Road is present within the south of the Seven Hills site. Both sites are generally flat.

2.3.5. Potential Hazards and Constraints

Access to the site may be restricted due to landowner agreements and the current use of the agricultural fields, additional biosecurity measures may be required.

2.3.6. Visual / Olfactory Evidence of Contamination

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

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3. Environmental Setting

3.1. General

Envirocheck reports [1] have been used to provide information relating to the sites and surrounding areas and are presented in Appendix B. Publicly-available sources of information have also been consulted to provide additional information, including British Geological Survey (BGS) geological mapping and historical borehole records [2], the Environment Agency website [3], Defra's MAGIC online mapping [4], Zetica online unexploded ordnance (UXO) risk maps [5], and Suffolk Biological Records Centre [6] website.

3.2. Site History

A review of the historical and current land use of the Seven Hills and Innocence Farm sites and surrounding area has been undertaken to identify the nature and location of potentially contaminative activities that may have taken place on or adjacent to the sites.

Historical maps between 1881 and 1994 at the 1:2,500 scale and between 1884 and 2018 at the 1:10,000 scale are presented within the Envirocheck reports [1], included in Appendix B. The historical review looks at previous land uses within 500m of the boundary of each site. Key aspects of the site history have been summarised for each site in Table 3.1 and Table 3.2 below.

Table 3.1 Summary of Seven Hills (Option 1) site history

Date (Scale)	On-site	Surrounding area
1884 (1:2,500) 1884-1887 (1:10,560)	The site is shown as undeveloped agricultural land divided into two fields. Some mature trees are located around the boundaries. A road is present within the south of the site.	Agricultural land is present surrounding the north and west of the site. Levington Heath lies to the east and south-east of the site, comprising heath land cross-cut by footpaths with several burial mounds (Tumuli). A plantation is present in the centre of the heath and residential properties are present in the east of the heath. The Felixstowe Branch Line is present along the southern boundary of the site with fields beyond. Levington Lane is present adjacent to the north-east of the site. Skouldings Pit is located approximately 200m north of the Option 1 site. Potter's Hole gravel pit and Scotland Barn Gravel pit are located approximately 150m west and 400m north-east of the site. Manor Ponds are located approximately 450m west.
1904 (1:2,500) 1904 (1:10,560)	No significant changes.	No significant changes.
1926 (1:2,500) 1927-1928 (1:10,560)	No significant changes.	No significant changes.
1938 (1:10,560) Partial	No significant changes.	No significant changes.
1957/1958 (1:10,000)	No significant changes.	No significant changes.
1966-1970 (1:2,500)	No significant changes.	The Skouldings Pit approximately 200m to the north of the site is shown as a refuse tip. The road to the south of the site is shown as the A45.
1970-1975 (1:10,000)	No significant changes.	An Agricultural Research Station is now present 480m to the south of the site.
1984-1986 (1:2,500) 1984 (1:10,000)	No significant changes. The road within the south of the site has been renamed as Felixstowe Road.	Two ponds are shown immediately north of the site. A new road (A45) has been constructed along the northern boundary of the site.
1990 (1:2,500) 1988-1989 (1:10,000)	No significant changes.	Skouldings Pit approximately 200m to the north of the site is no longer indicated on the map.

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Date (Scale)	On-site	Surrounding area
2003 (1:10,000)	No significant changes.	The Agricultural Research Station has now been renamed as Levington Park. The A45 along the north of the site has been renamed as the A14.
2009 (1:10,000)	No significant changes.	No significant changes.
2013 (1:10,000)	No significant changes.	No significant changes.
2018 (1:10,000)	No significant changes.	No significant changes.

Table 3.2 Summary of Innocence Farm (Option 2) site history

Date (Scale)	On-site	Surrounding area (approximate distance and direction)
1881 (1:2,500) 1886 (1:10,560)	The site is shown as undeveloped agricultural land.	Croft Lane is present along the north-western boundary of the site, an unnamed road along the south-western boundary and a footpath along the north-eastern boundary of the site. Croft House including a well is located adjacent to the northern corner of the site. The rest of the area surrounding the site mainly comprises agricultural land. The Felixstowe Branch Railway Line is located approximately 200m south. Moston Hall is located approximately 350m south and a Smithy is located 500m south.
1903 - 1904 (1:2,500) & 1904 (1:10,560)	No significant changes.	No significant changes.
1926 (1:2,500) 1927-1928 (1:10,560)	No significant changes.	The Smithy is no longer shown.
1938 (1:10,560) Partial	No significant changes.	No significant changes.
1957/1958 (1:10,000)	No significant changes.	Several buildings have been constructed 180m to the south-east of the site and several communication masts are located in the area with located 10m to the south-east of the site boundary.
1966-1973 (1:2,500)	'Posts' assumed to be associated with a fence are present along the north-western and south-eastern boundaries of the site.	The road to the south-west has been widened and is now shown as the A45.
1970-1975 (1:10,000)	No significant changes.	No significant changes.
1988-1989 (1:10,000)	No significant changes.	No significant changes.
1993 (1:2,500)	No significant changes.	No significant changes.
2003 (1:10,000)	No significant changes.	The A45 has now been renamed as the A14.
2009 (1:10,000)	No significant changes.	No significant changes.
2013 (1:10,000)	No significant changes.	No significant changes.
2018 (1:10,000)	No significant changes.	No significant changes.

Both sites have remained largely undeveloped for the period covered by the available historical maps (from 1881 to present).

The land use in the surrounding areas has also remained predominantly agricultural since 1881 (the earliest available map). However, there are some activities which could pose a potential contamination risk, including the construction and operation of the Felixstowe Branch Railway Line which is located adjacent to the Seven Hills site and 200m south of Innocence Farm, and the A45 (later renamed the A14) which is located adjacent to both sites. In addition, a Smithy has been

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identified on historic maps between 1881 and 1926 located 500m to the south of the Innocence Farm site.

Available mapping does not suggest any other activities in the surrounding area that are likely to pose a contamination risk to the site.

3.3. Superficial and Bedrock Geology

The geological sequence of the proposed option sites has been determined from the BGS website [2].

3.3.1. Made Ground / Artificial Deposits

Made Ground is not indicated to be present underlying the Seven Hills or Innocence Farm site [2]. The Skouldings Pit refuse tip located approximately 200m north of Severn Hills is shown as artificial ground and an area of infilled ground is indicated 400m north-east of Innocence Farm associated with the former gravel pit. The areas adjacent to the Felixstowe Branch line and the A14 also have the potential to include Made Ground. In addition, due to the agricultural nature of the sites and surrounding area, there is the potential for fly tipping as well as the potential for farmers tips, the constituents of which will be unknown.

3.3.2. Superficial Deposits

Available BGS records indicate that both sites are underlain by superficial deposits of the Kesgrave Catchment Subgroup, which comprises fluvial sands and gravels and lacustrine and organic silts, clays and peats of the pre-diversionary River Thames, and the pre-glacial soils developed on such deposits.

3.3.3. Bedrock and Structural Features

According to the BGS website, bedrock geology beneath both sites comprises sand of the Red Crag Formation, described as 'coarse-grained, poorly sorted, cross-bedded, abundantly shelly sands'.

There are no significant structural features recorded on or within 500m of the sites.

3.3.4. BGS Historic Borehole Logs

Historical borehole logs [2] have been identified in two areas within 500m of the Seven Hills and Innocence Farm sites and are presented in Appendix C. A summary of the logs is provided below.

3.3.4.1. Ipswich Southern Bypass

There are three BGS borehole logs located on the Seven Hills site and an additional five boreholes located within 500m of the site. The majority of the boreholes were drilled for the construction of the A14 in 1976.

A review of the logs indicates the following geological sequence:

- Topsoil – ground level to 0.8 metres below ground level (m bgl);
- Kesgrave Catchment Group – 0.9m to 6.7m bgl comprising interbedded medium dense light brown sand and gravel and stiff clay;
- Red Crag Formation – 4.3m to 13.1m bgl comprising medium dense dark brown fine and medium sand with bands of sandstone; and
- London Clay from 13.4m bgl (depth not proven).

3.3.4.2. Kirton, Suffolk

There is one BGS borehole log located 450m north-east of the Innocence Farm site.

A review of the log indicates the following geological sequence:

- Topsoil – ground level to 0.3m bgl;
- Kesgrave Catchment Group – 0.3m to 4.9m bgl comprising medium to coarse light brown sand with fine subrounded gravel; and

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- Red Crag Formation – 4.9m to 11.3m bgl comprising fine to medium red brown sand with occasional flint; and
- London Clay from 11.3m bgl (depth not proven).

3.3.5. Local Geological Sites

According to mapping on the Suffolk Biological Records Centre website [6] neither of the sites are located within a Local Geological Site formerly known as Regionally Important Geological or Geomorphological Sites (RIGS).

3.4. Mineral Extraction and Ground Stability

3.4.1. Mining and Natural Cavities

The Envirocheck reports [1] indicates that both of the sites are in an area unlikely to be affected by coal mining, and there is no hazard relating to the non-coal mining areas of Great Britain.

3.4.2. Historical Extractive Activities

The Envirocheck reports [1] indicates that historical extractive activities have been undertaken within 500m of the Seven Hills site. Potter's Hole Gravel Pit and Scotland Barn Gravel Pit located 150m west and 400m north-east are recorded as former opencast sand and gravel pits. These gravel pits were also identified on the historical maps together with Skouldings Pit, which is located 200m north of the Seven Hills site.

No other historical extractive activities were identified on or within 500m of the sites. Furthermore, the Suffolk County Council Minerals Local Plan [7] indicates there are no planned areas of mineral extraction within 1km of the sites and the sites are not located within a Mineral Safeguarding Area.

3.4.3. Ground Stability

The ground stability conditions for both of the sites, according to the Envirocheck reports [1], are listed in Table 3.3.

Table 3.3 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	No hazard

3.5. Radon

The Envirocheck reports [1] and BRE Radon maps [8] state that both sites are 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 any new buildings on site, although buildings are currently not proposed for the freight management facility.

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.

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3.6. Hydrogeology

According to the Envirocheck reports [1] the superficial deposits underlying the sites are classified as a Secondary A Aquifer¹. The Red Crag Formation underlying the sites is classed as a Principal Aquifer². The sites do not lie within or adjacent to a groundwater Source Protection Zone (SPZ)³.

The sites are recorded as having soils of high leaching potential (H2) which are described as deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential.

3.6.1. Groundwater Abstractions

The Envirocheck reports [1] indicate there are no licensed groundwater abstractions within 500m of the either of the sites. However, it is noted that a well is indicated to be present associated with Croft House, located adjacent to the northern corner of the Innocence Farm site.

3.6.2. Groundwater Discharge Consents

The Envirocheck reports [1] indicate there are no licensed discharge consents to groundwater within 500m of the sites.

3.7. Hydrology

Two raised balancing ponds are located immediately north of the Seven Hills site. There is also a drainage channel approximately 70m south-west of the Innocence Farm site running parallel to the A14.

There are several other drainage channels, ponds and unnamed streams located within 500m of the both of the sites including:

- Soakaway ponds located approximately 350m north-west of Innocence Farm;
- Manor Ponds located approximately 400m south-west of Seven Hills;
- Small unnamed watercourse located approximately 400m north-east of Innocence Farm; and
- Small pond and unnamed watercourse located approximately 470m south-west of Innocence Farm.

3.7.1. Surface Water Abstractions

The Envirocheck reports [1] indicate there are no water abstractions relating to surface water within 500m of the either of the sites.

The Innocence Farm site is located within a Drinking Water Protection Area (surface water) [9].

3.7.2. Surface Water Discharge Consents

The Envirocheck reports [1] indicate there are no licensed discharge consents to surface water within 500m of the sites.

3.8. Flood Risk

The Environment Agency flood risk map contained within the Envirocheck reports [1], and the flood maps available on the Government website [3] indicate that both sites are not located within an area known to be at risk from flooding from rivers or the sea.

¹ A Secondary A aquifer is defined as 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

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

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

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The Government website shows that the north western part of both the Seven Hills site and the Innocence Farm site may be prone to surface water flooding⁴. The risk is given as being between low and high. The remainder of the site is classified as having a very low risk of surface water flooding.

3.9. Pollution Incidents to Controlled Waters

The Envirocheck reports [1] indicate that there have not been any pollution incidents to surface water within 500m of the sites.

3.10. Substantiated Pollution Incident Register

The Envirocheck reports [1] indicate that there are no substantiated pollution incident register entries within 500m of the sites.

3.11. Landfills and Waste Management Sites

The Envirocheck reports [1] indicate that there are none of the following within 500m of the sites:

- Historic landfill sites;
- Authorised landfill sites; or
- Waste transfer sites.

It is noted that historical maps indicate that the Skouldings Pit located approximately 200m north of the Seven Hills site was used as a refuse tip from the 1960s to 1990s. However, there are no records provided in the Envirocheck reports [1] in relation to the tip.

3.12. Hazardous Substances

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

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

3.13. Integrated Pollution Prevention and Control (IPPC)

According to the Envirocheck reports [1] there are no IPPCs within 500m of the sites.

3.14. Registered Radioactive Substances

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

3.15. Fuel Stations

There are no fuel stations recorded within 500m of the sites according to the Envirocheck reports [1].

⁴ Surface water flooding occurs when rainwater does not drain away through the normal drainage systems or soak into the ground, but lies on or flows over the ground instead. 'High' risk means that each year, this area has a chance of flooding of greater than 1 in 30 (3.3%). 'Medium' risk means that each year, this area has a chance of flooding of between 1 in 100 (1%) and 1 in 30 (3.3%). 'Low' risk means that each year, this area has a chance of flooding of between 1 in 1000 (0.1%) and 1 in 100 (1%). 'Very low' risk means that each year, this area has a chance of flooding of less than 1 in 1000 (0.1%).

3.16. Contemporary Trade Directories

The Envirocheck Reports [1] indicate that there is an active car dealership located 25m north of the Innocence Farm site.

3.17. Sensitive Land Uses

The Envirocheck reports [1] and MAGIC website [4] were reviewed for sensitive statutory and non-statutory designations within 500m of the sites.

The Suffolk River Valleys is recorded as an Environmentally Sensitive Area located 225m south west of the Innocence Farm site.

The Suffolk Coast and Heaths is recorded as an Area of Outstanding Natural Beauty located approximately 400m south of the Innocence Farm site.

The Envirocheck reports [1] indicate that both sites lie within a surface and groundwater water Nitrate Vulnerable Zone (NVZ)⁵.

Several burial mounds (Tumuli) are noted within the historical maps present within Levington Heath adjacent to the east and south-east of the Seven Hills site.

3.18. Other Relevant Information

3.18.1. Unexploded Ordnance (UXO)

A Zetica UXO map [5] was obtained to assess the risk of encountering UXO at the sites, and is included as Appendix D. The map indicates that both sites are located within an area that has a low risk of UXO being present.

⁵ Nitrate Vulnerable Zone (NVZ) is designated where land drains and contributes to the nitrate found in 'polluted' waters. Polluted waters include:

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

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

4. Preliminary Conceptual Site Model (PCSM)

4.1. Approach to PCSM

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

Land contamination is assessed through the identification of risk presented by potential contaminant linkages (PCLs), i.e. Source – Pathway – Receptor relationships, and the development of a Conceptual Site Model (CSM). Guidance provided by the Environment Agency in CLR11⁶ [10] and the Guiding Principles for Land Contamination (GPLC) documents [11] provide the technical framework for the development of such CSMs and the application of risk assessment (qualitative or quantitative) to consider whether potential pollutant linkages are significant and require appropriate management or mitigation.

The National Policy Statement (NPS) for Energy Infrastructure, accompanied by the NPS for Nuclear Power Generation, does not make specific requirement for Land Quality assessment beyond the requirement to consider the risks posed by land contamination and need for an 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) [12] has been consulted regarding the need for additional environmental assessment.

The NPPF [12] 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 Conceptual Site Model (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 Preliminary Conceptual Site Model (PCSM) has been developed using the proposed scheme details and desk study information summarised in the preceding sections of this report, i.e. a Tier 1 assessment.

4.2. Risk Estimation

Through consideration of the potential consequence and likelihood of exposure occurring, a potential risk rating for each PCL has been assigned and is presented in Table 4.5. The purpose of this assessment is to focus upon the potential risks present based on the proposed development, with no mitigation measures. The definitions of estimated risk are taken from CIRIA report C552 [13] and have been summarised in Table 4.1 below.

⁶ It is noted that CLR11 is due to be withdrawn in December 2019 and replaced by updated online guidance: Environment agency (June 2019) Land contamination: Risk Management (LCRM).

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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 D.

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

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

4.3. Preliminary Conceptual Site Model (PCSM)

Based upon the historical and present land uses identified in the Envirocheck reports [1] 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. all likely potential sources, exposure or migration pathways and sensitive receptors have been assumed to be present.

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

4.3.1. Potential Contaminants

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

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Table 4.3 Summary of potential on-site and off-site sources of contamination

	Activity / Feature	Potential Contaminants
On-site	Farmland within the boundary of both sites. 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, polychlorinated biphenyls (PCBs), asbestos, etc.
	Made Ground associated with the construction of Felixstowe Road as well as activities associated with its operation.	A range of inorganic and organic contaminants including polyaromatic hydrocarbons (PAHs), coal tars, asbestos and ground gases. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates.
Off-site	Made Ground associated with the construction of the A14, Felixstowe Road and local roads adjacent to both sites, as well as activities associated with their operation.	A range of inorganic and organic contaminants including PAHs, coal tars, asbestos and ground gases. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates.
	Car dealer located 25m north of the Innocence Farm site.	Metals and organic contaminants from petroleum, petrol additives, diesel, oils / lubricants.
	Made Ground associated with the construction of the Felixstowe Branch line adjacent the Seven Hills site and 200m south of the Innocence Farm site, and activities associated with its operation.	A range of inorganic and organic contaminants including hydrocarbons, PCBs, PAHs, solvents and metals; from used in the construction of the railway.
	Farmland surrounding both sites. Potential for unmapped farmers tips.	Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals, hydrocarbons, PCBs, and asbestos, etc.
	Former gravel pits located 150m west, 200m north and 400m north-east of the Seven Hills site likely to be infilled.	A range of inorganic and organic contaminants including metals and hydrocarbons and the potential for asbestos and ground gas generation.
	Unregistered refuse tip (Skouldings Pit) located 200m north of the Seven Hills site.	Accepted waste is unknown but potential contaminants may include inorganic and organic contaminants such as metals, hydrocarbons, PCBs, asbestos and a potential for vapour and / or ground gas generation.
	Smithy located 500m south of the Innocence Farm site.	Metals, lubricants, ash and oils.

4.3.2. Potential Receptors

This section details potential receptors which are relevant to the current site uses and may be relevant to the construction and operation of the site. Following the removal of the freight management facility and reinstatement of the site, receptors will revert back to the current site use. Potential receptors are outlined in Table 4.4.

Table 4.4 Summary of potential receptors

Receptor Groups	Current site use	Proposed Freight Management Facility
Human health (on-site)	Farmers and workers on agricultural land	Construction / maintenance workers
	-	Users of the Freight Management Facility
	Users of Felixstowe Road	Users of Felixstowe Road
Human health (off-site)	Residents in neighbouring properties and users of commercial properties in the surrounding area	Residents in neighbouring properties and users of commercial properties in the surrounding area

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NOT PROTECTIVELY MARKED

Receptor Groups	Current site use	Proposed Freight Management Facility
	Pedestrians accessing surrounding roads and footpaths	Pedestrians accessing surrounding roads and footpaths
	Farmers and workers on surrounding agricultural land	Farmers and workers on surrounding agricultural land
Controlled water	Groundwater in Secondary A superficial and Principal bedrock aquifers	Groundwater in Secondary A superficial and Principal bedrock aquifers
	Off-site surface watercourses, ponds and drainage channels within 500m of the site	Off-site surface watercourses, ponds and drainage channels within 500m of the site
Property	Existing on-site services and structures	Proposed on-site services and structures
	Existing off-site services and structures (including burial mounds)	Existing off-site services and structures (including burial mounds)
	Crops and livestock on-site and off-site	Crops and livestock off-site
Ecological	Suffolk River Valleys and Suffolk Coast and Heaths located 225m south-west and 400m south of the Innocence Farm site.	Suffolk River Valleys and Suffolk Coast and Heaths located 225m south-west and 400m south of the Innocence Farm site.

4.3.3. Potential Migration / Exposure Pathways

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

Potential Human Exposure Pathways:

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

- Dermal contact with and 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 ingestion of contaminants in soil-derived dusts and water that may have migrated off site; and
- Inhalation of 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 aquifer;
- Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifer;
- 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 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:

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

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

4.3.4. PCSM and Underpinning Assessment Assumptions

Table 4.5 presents the key information included in the PCSM prepared for the sites in their current undeveloped state (baseline), and also for future scenarios (construction and operation). A post-operation (removal and reinstatement) scenario is considered to be the same as the baseline as the site will be returned to its original land use. The assessment has been undertaken using the following assumptions:

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

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Table 4.5 Preliminary Conceptual Site Model

Source	Receptor		Contaminant exposure / migration pathway	Baseline			Construction			Operation		
				Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category
ON-SITE: Farmland within site boundary. Potential for unmapped farmers tips: <i>Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.</i>	Human health: On-site	Farmers and workers on agricultural land		Unlikely	Mild	Very low risk	Receptor not present	--	--	Receptor not present	--	--
		Construction / maintenance workers	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Receptor not present	--	--	Unlikely ⁷	Mild	Very low risk	Unlikely ⁷	Mild	Very low risk
		Users of Felixstowe Road	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapours.	Unlikely	Minor	Very low risk.	Receptor not present	--	--	Unlikely	Minor	Very low risk.
		Users of the new freight management facility		Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk
	Human health: Off-site	Residents in neighbouring properties and users of commercial properties in surrounding area	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site. Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapour which may have migrated off-site.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
		Pedestrians accessing surrounding roads and footpaths		Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
		Farmers and workers on surrounding agricultural land		Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
	Controlled Waters	Secondary A superficial aquifer and Principal Bedrock aquifer	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low Risk	Low likelihood	Medium	Moderate / Low Risk	Unlikely	Medium	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	Medium	Low risk	Low likelihood	Medium	Moderate / Low risk	Unlikely	Medium	Low Risk
		Off-site surface watercourses / ponds within 250m of the site	Discharge of contaminants entrained in groundwater and/or surface water run-off followed by overland flow and discharge.	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk
	Property / services	Existing on-site services and structures	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Unlikely	Mild	Very low risk	Low likelihood	Mild	Low risk	Unlikely	Mild	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	Low likelihood	Mild	Low risk	Unlikely	Mild	Very low risk
		Existing off-site services and structures (including burial mounds)	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
		Proposed on-site services and structures	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Receptor not present	--	--	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Receptor not present	--	--	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
		Crops/Livestock (on-site)	Migration of contaminated waters/dust/fibres and subsequent	Unlikely	Minor	Very low risk	Receptor not present	--	--	Receptor not present	--	--

⁷ It has been assumed that all construction workers will adhere to site working practices, including use of appropriate PPE

Source	Receptor		Contaminant exposure / migration pathway	Baseline			Construction			Operation		
				Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category
		Crops/Livestock (off-site)		Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk
	Ecological Receptors	Suffolk River Valleys and Suffolk Coast and Heaths (off-site)	Migration of contaminated waters/dust/fibres and subsequent uptake by flora or ingestion/ inhalation/dermal contact by fauna.	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk
OFF-SITE: Made Ground associated with the construction of the roads including A14 Road and local roads adjacent to the site, as well as activities associated with their operation. Car dealer located 25m north of the site Made Ground associated with the construction of the railway line and activities associated with its operation. Former gravel pits Located 150m west, 200m north and 400m north-east likely to be infilled. Unregistered refuse tip (Skouldings Pit) located 200m north Smithy located 500m south of the site. Farmland within 500m of the site <i>A range of organic contaminants including hydrocarbons, oils, PCBs, PAHs, solvents and creosote; metal, herbicides, pesticides, silage, effluent, asbestos, etc. Potential for vapour and / or ground gas generation.</i>	Human health: On-site	Farmers and workers on agricultural land	Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated onto site. Inhalation of contaminants in soil, soil-derived dust, fibres and vapours which may have migrated onto site.	Unlikely	Minor	Very low risk	Receptor not present	--	--	Receptor not present	--	--
		Construction / maintenance workers		Receptor not present	--	--	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
		Users of Felixstowe Road		Unlikely	Minor	Very low risk	Receptor not present	--	--	Unlikely	Minor	Very low risk.
		Users of the new freight management facility		Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk
	Controlled waters	Secondary A superficial aquifer and Principal Bedrock aquifer	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low Risk	Low likelihood	Medium	Moderate / 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	Low likelihood	Medium	Moderate / low Risk	Unlikely	Medium	Low Risk
	Property/ services	Existing on-site services and structures	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	
		Proposed on-site services and structures		Receptor not present	--	--	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk
		Crops/Livestock (on-site)	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Unlikely	Minor	Very low risk	Receptor not present	--	--	Receptor not present	--	--

5. Summary and Conclusions

5.1. Data Gaps

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

5.2. Conclusions

The sites currently comprise open fields which appear to be used for agricultural purposes. There was no visual or olfactory evidence of contamination noted on the site during the site visit completed in March 2019. Potential limited on-site sources of contamination are considered to comprise the existing Felixstowe Road and agricultural uses of the sites including the potential for unidentified farmers tips. Several potential off-site sources of contamination were identified including Made Ground associated with the construction of the A14, local roads and the Felixstowe Branch Line as well as activities associated with their operation; a car dealer, former gravel pits, an unregistered refuse tip and neighbouring farmland.

Risks to human health without mitigation measures are considered to be very low, based on the findings of the desk study. Risks to controlled waters were considered to be moderate / low to low. Risks to property and services were generally assessed as being low. Risks to ecological receptors are considered to be very low.

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, the following recommendations for further investigation are considered appropriate:

Table 5.1 Recommendations

Receptor		Highest risk classification	Recommended actions / further assessment
Human health (on-site)	Farmers/workers on agricultural land	Very low risk	Specific intrusive investigation is not likely to be required for contamination purposes. However, the low potential for contamination should be confirmed through limited sampling and chemical analysis as part of a geotechnical ground investigation.
	Construction / maintenance workers	Very low risk	
	Users of Felixstowe Road	Very low risk	
	Users of the new Freight Management Facility	Very low risk	
Human health (off-site)	Residents in adjacent properties and users of neighbouring commercial properties	Very low risk	
	Pedestrians accessing surrounding roads	Very low risk	
	Farmers and workers on agricultural land	Very low risk	

Receptor		Highest risk classification	Recommended actions / further assessment
Controlled waters	Groundwater in underlying Superficial Secondary A and Principal Bedrock aquifer	Moderate / low risk	Given the sensitivity of the receptors, 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.
	Off-site surface watercourses / ponds within 500m of the site	Low risk	
Property	Existing on-site services (if present)	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.
	Existing off-site services and structures (including burial mounds)	Very low risk	
	Future on-site services and structures	Very low risk	
	Crops/ Livestock (on-site and off-site)	Very low risk	
Ecology	Suffolk River Valleys and Suffolk Coast and Heaths (off-site)	Very low risk	

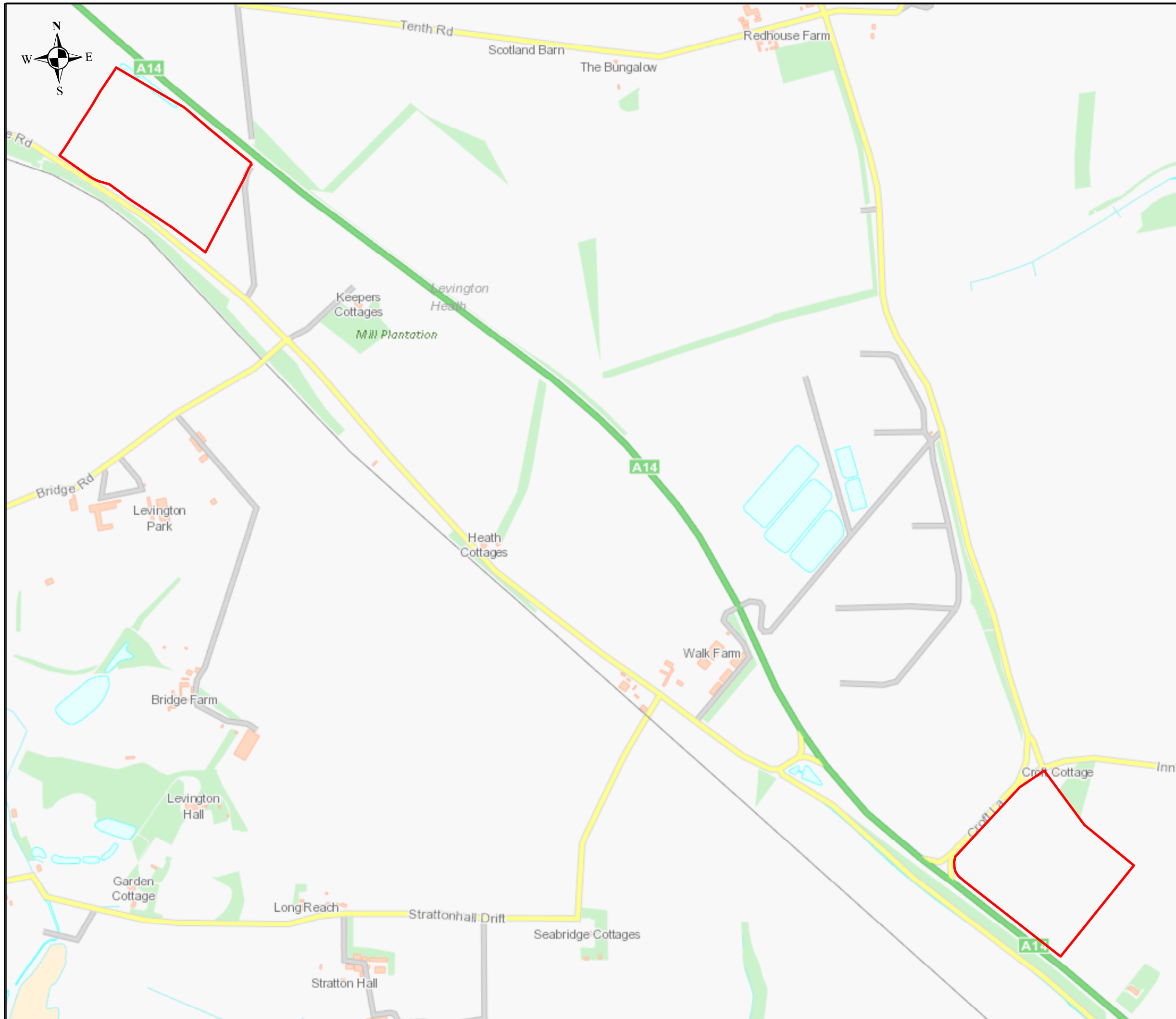
6. References

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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 Freight Management Facility

Legend

 Red Line Boundary

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

Client:

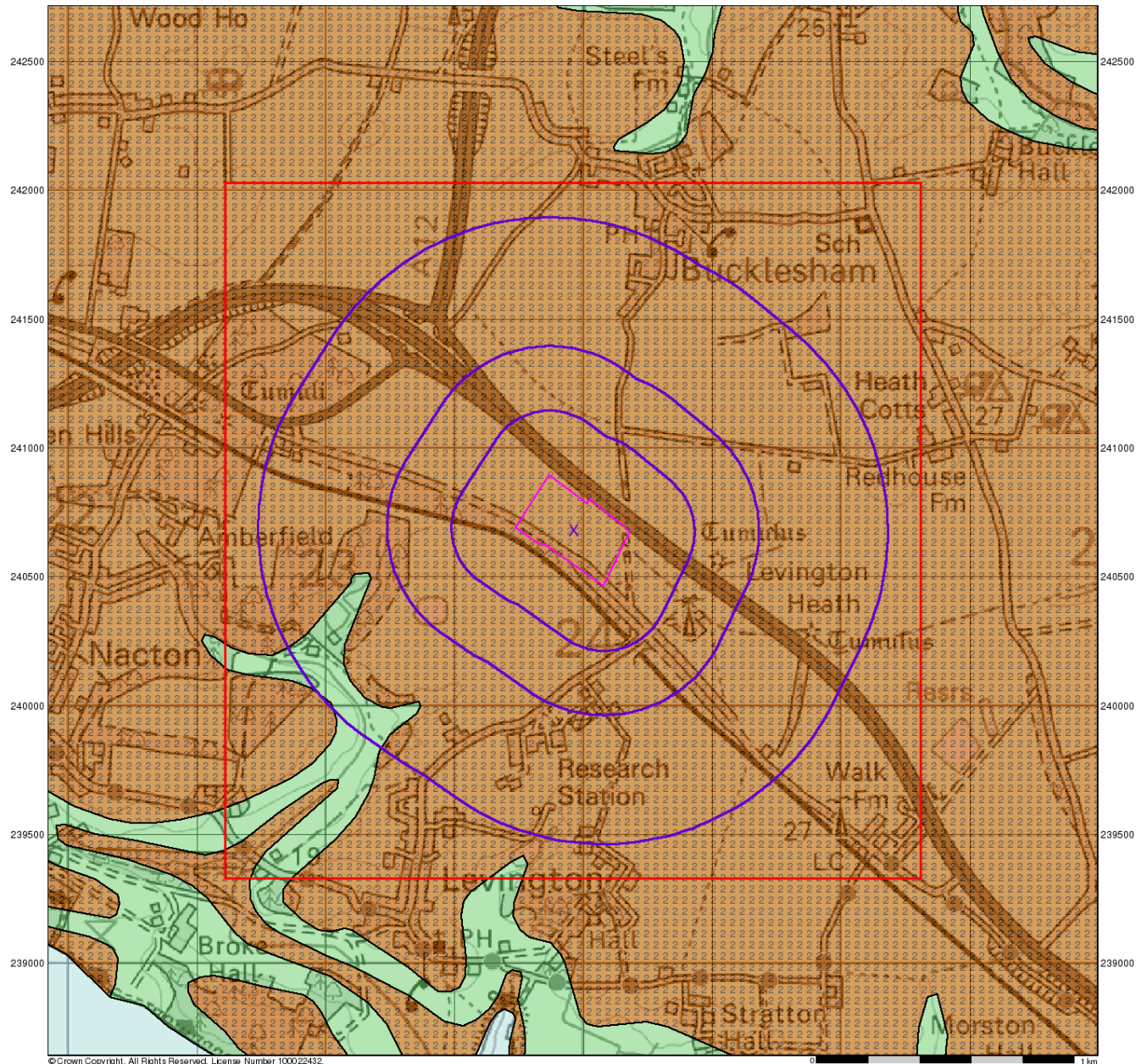


ATKINS

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 Reports

622000 622500 623000 623500 624000 624500 625000 625500



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0 1 km

ATKINS

Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)

Minor Aquifer (Variably Permeable)

Non Aquifer (Negligibly Permeable)

Water or Sea

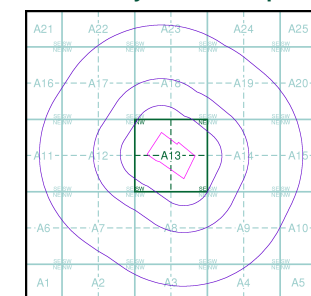
Drift Deposit

Soil Classes

High (H) 1, 2, 3, U
Intermediate (I) 1, 2
Low

High (H) 1, 2, 3, U
Intermediate (I) 1, 2
Low

Site Sensitivity Context Map - Slice A



Order Details

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National Grid Reference: 623960, 240680
Slice: A
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Search Buffer (m): 1000

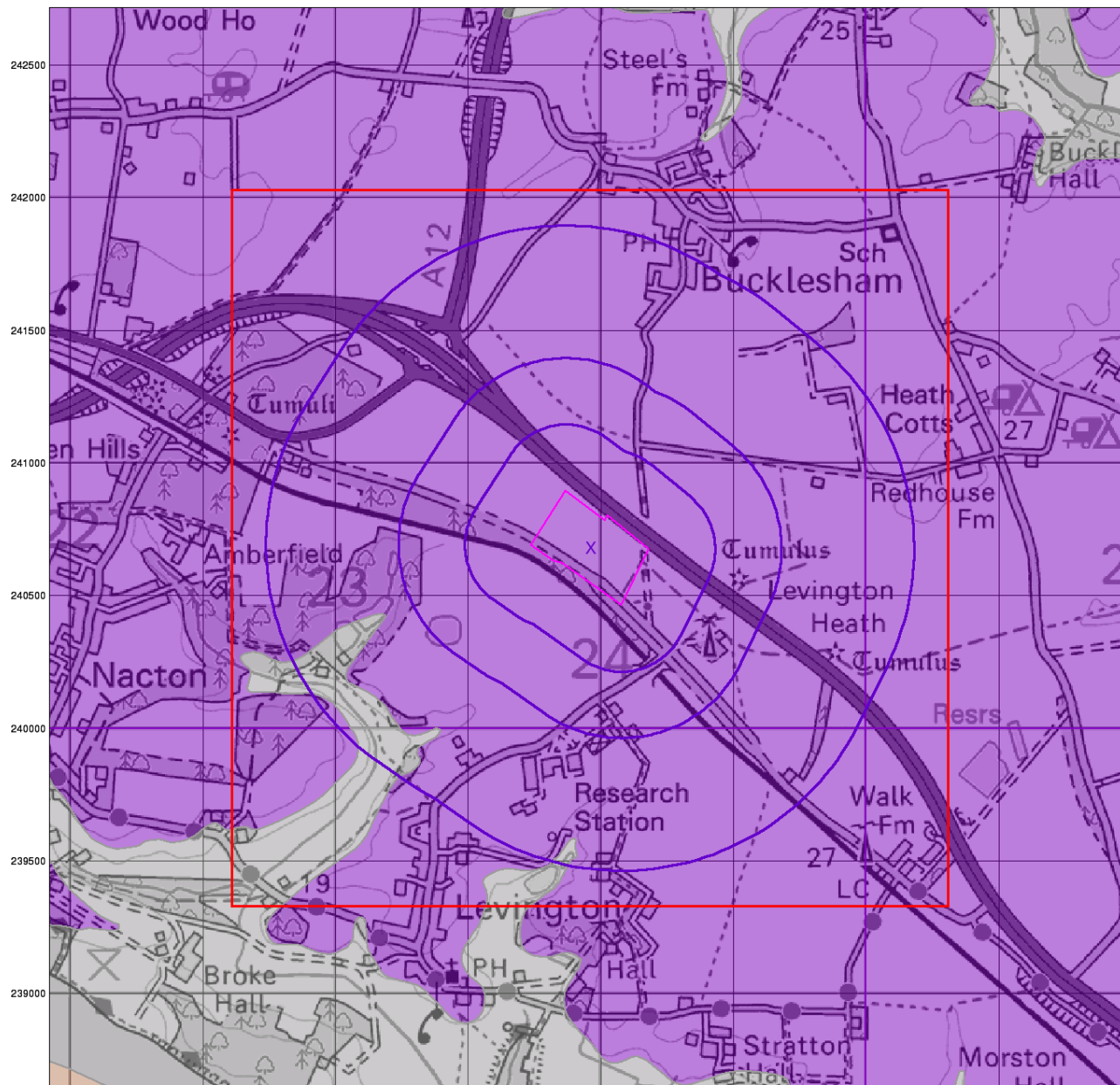
Site Details

Site at, Levington, Suffolk

Landmark
INFORMATION GROUP

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

622000 622500 623000 623500 624000 624500 625000 625500



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0 1 km

ATKINS

Bedrock Aquifer Designation

General

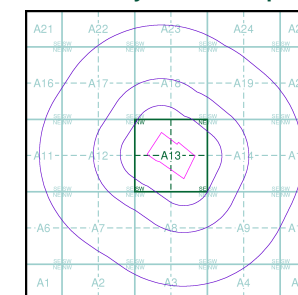
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- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

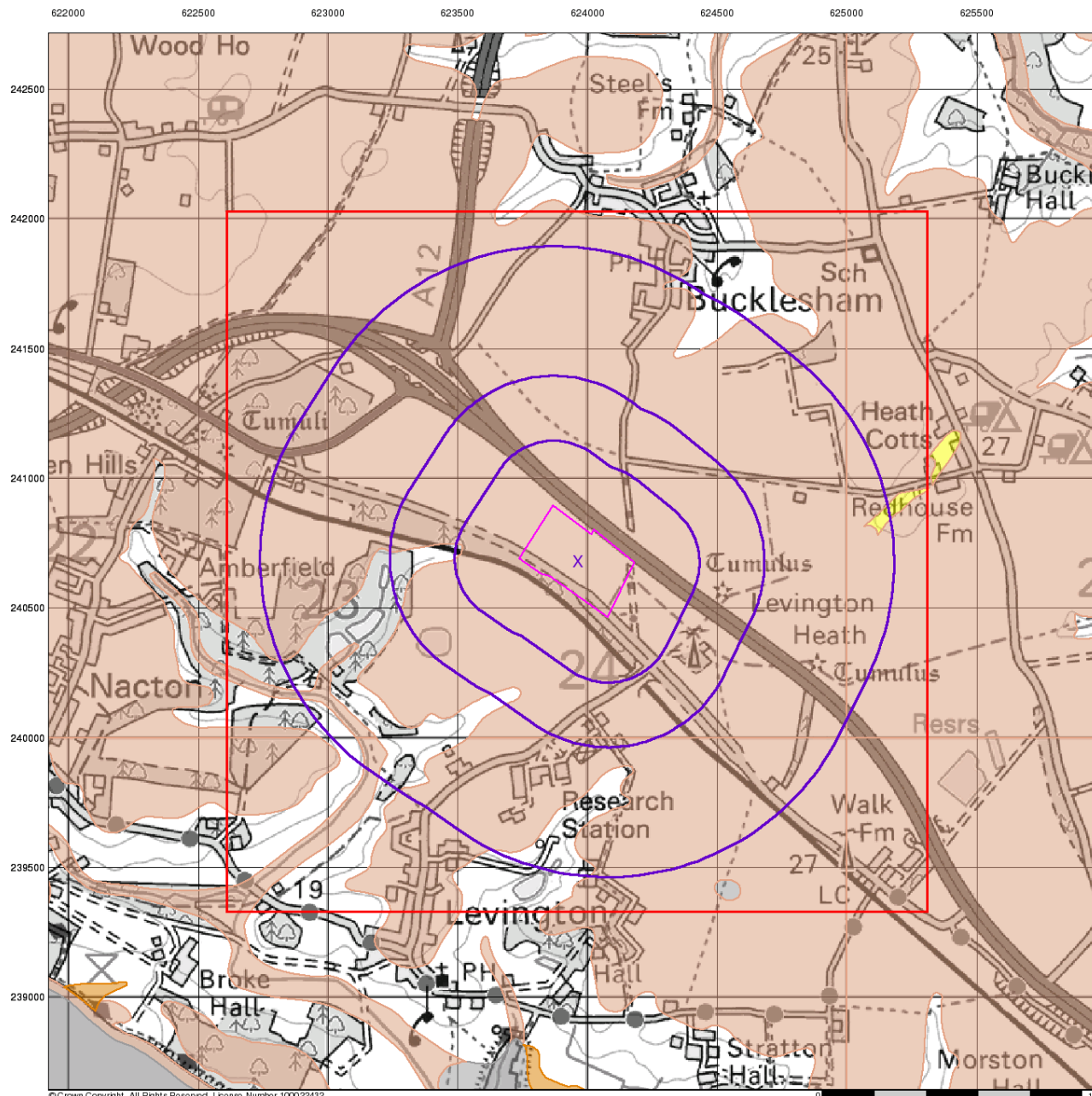
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 Slice: A
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 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

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0 1 km

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Superficial Aquifer Designation

General

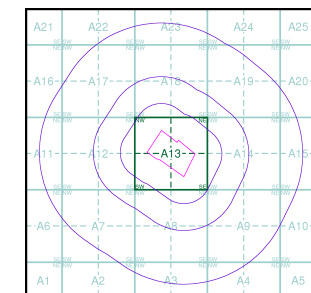
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- Specified Buffer(s)
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- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

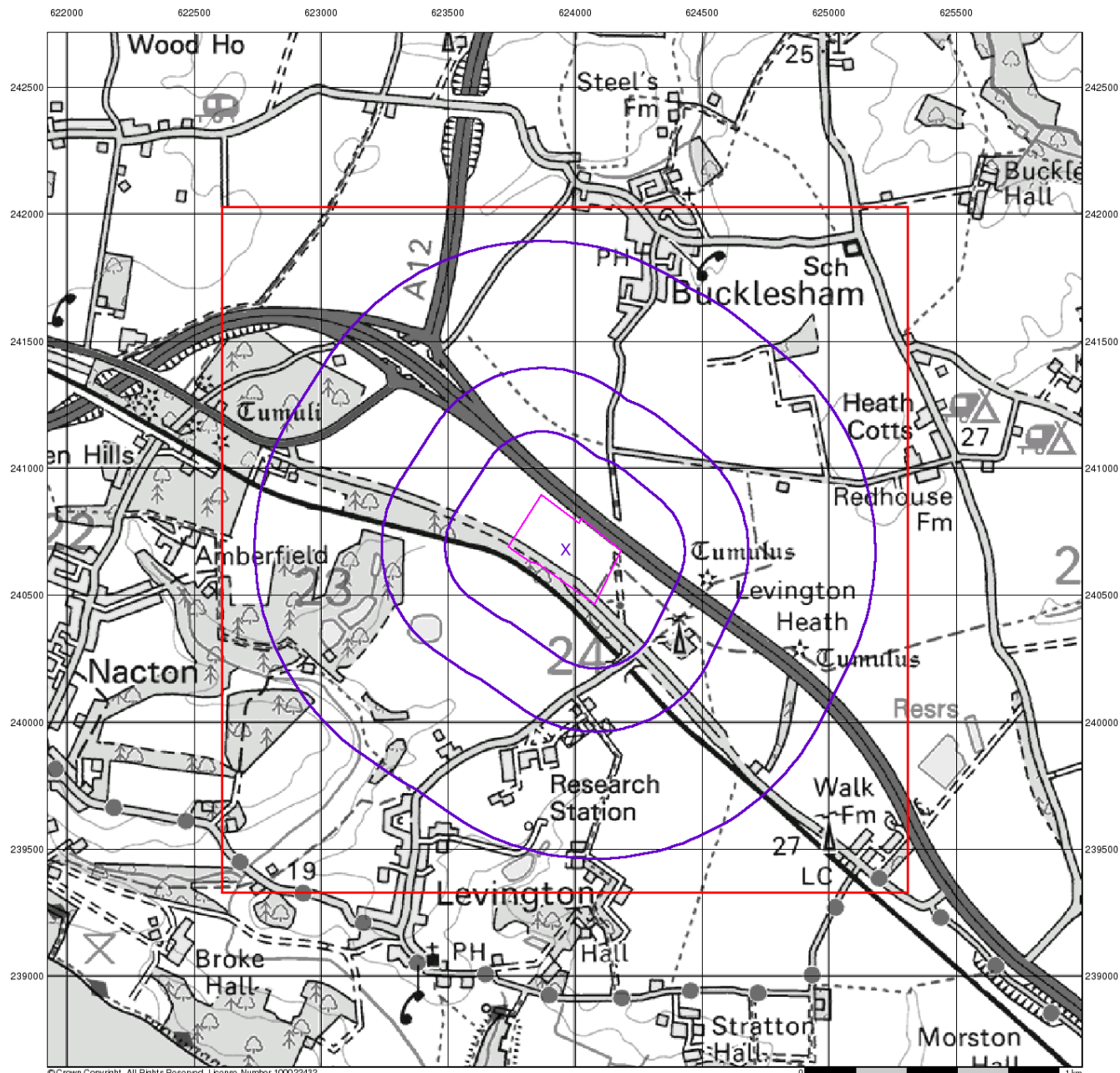
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 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 1000

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Source Protection Zones

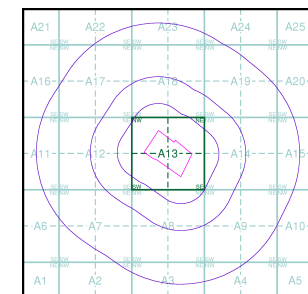
General

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

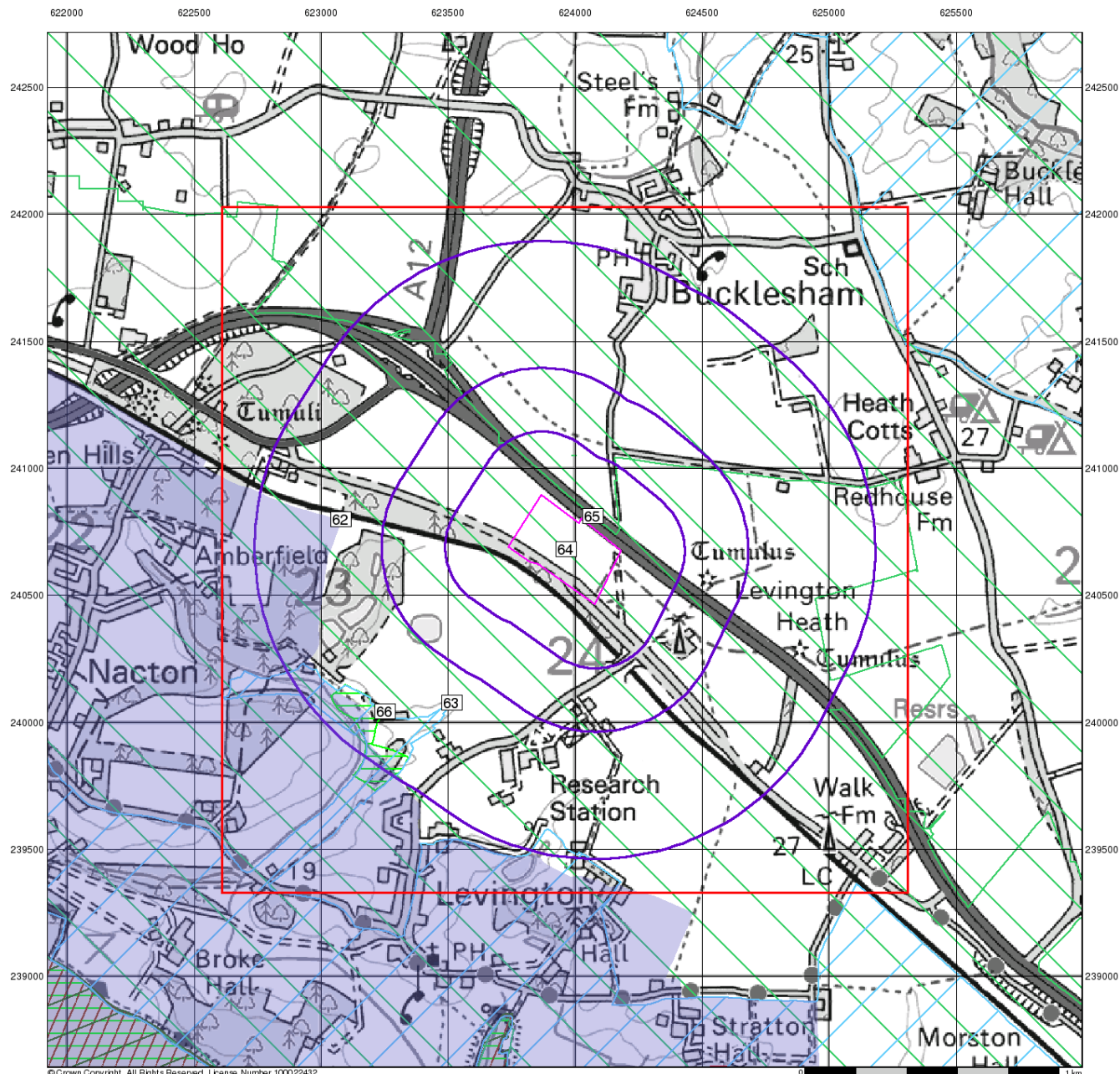
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 Search Buffer (m): 1000

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ATKINS

Sensitive Land Uses

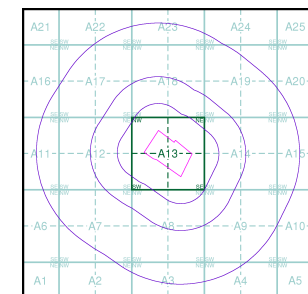
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 1000

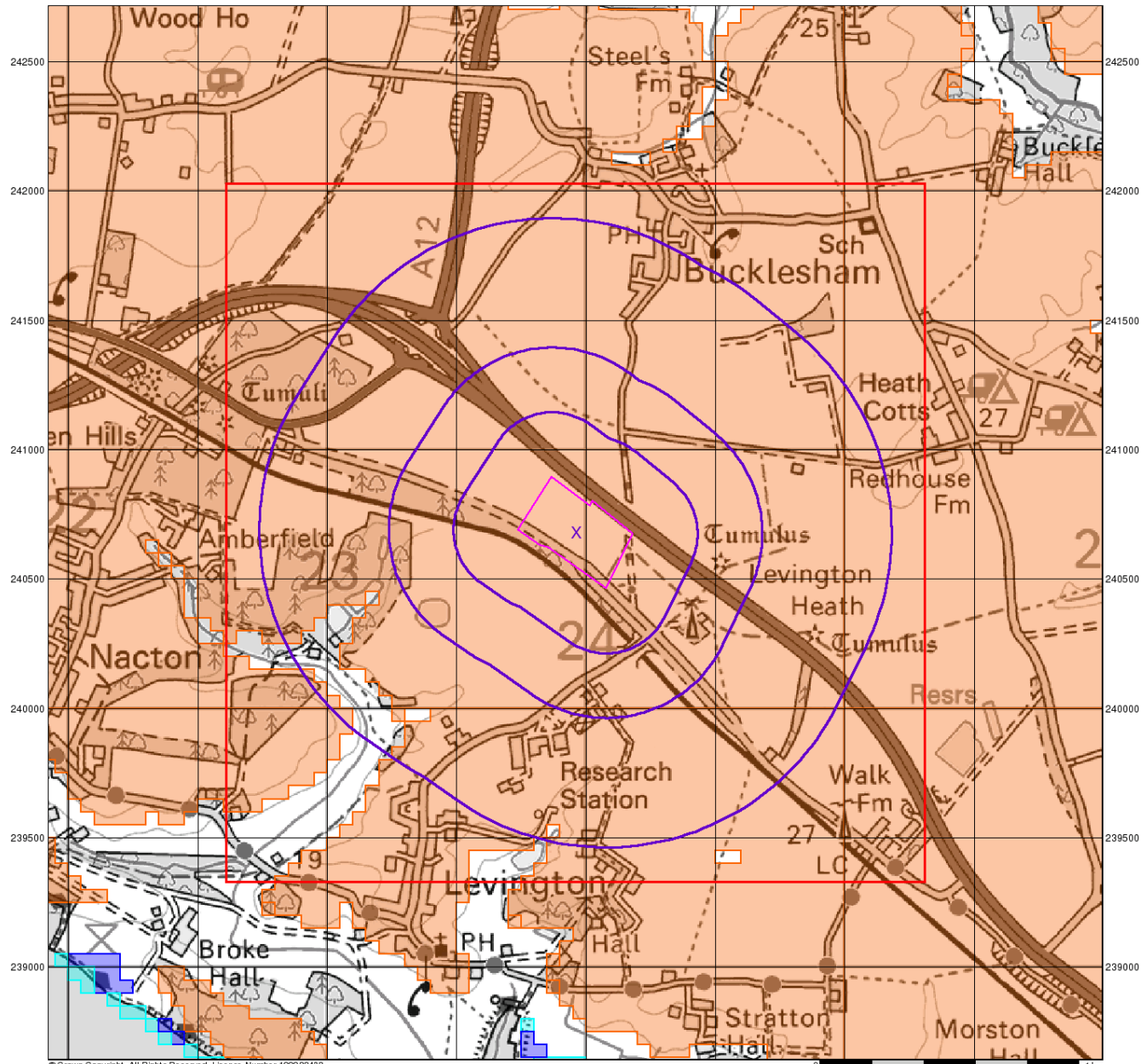
Site Details

Site at, Levington, Suffolk

Landmark
 INFORMATION GROUP

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

622000 622500 623000 623500 624000 624500 625000 625500



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0 1 km

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BGS Flood GFS Data

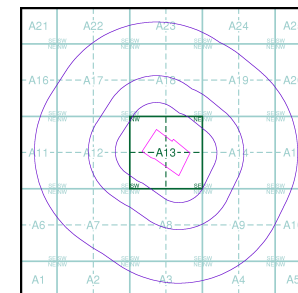
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

Landmark
 INFORMATION GROUP

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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

176556491_1_1

Customer Reference:

5166065/015

National Grid Reference:

623960, 240680

Slice:

A

Site Area (Ha):

9.43

Search Buffer (m):

1000

Site Details:

Site at
Levington
Suffolk

Client Details:

Mrs C Ellis
Atkins Ltd
The Axis
10 Holliday Street
Birmingham
B1 1TF

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	21
Hazardous Substances	-
Geological	23
Industrial Land Use	26
Sensitive Land Use	29
Data Currency	30
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Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
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 1				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1		Yes		
Pollution Incidents to Controlled Waters	pg 1				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 1				8 (*52)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 16	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 16				29

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 21				3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 21	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 21			1	2
Potentially Infilled Land (Water)					
Registered Landfill Sites	pg 22				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 23	Yes	Yes		Yes
BGS Recorded Mineral Sites	pg 23		1	1	3
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 24	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 24	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 24		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 26				5
Fuel Station Entries					
Points of Interest - Commercial Services	pg 26				4
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 26			8	1
Points of Interest - Public Infrastructure	pg 27				7
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 29				1
Environmentally Sensitive Areas	pg 29				1
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 29	1	1		
Ramsar Sites					
Sites of Special Scientific Interest	pg 29				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (W)	0	1	623964 240679
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SE (S)	464	1	623964 240000
1	Local Authority Pollution Prevention and Controls Name: East Suffolk Crematorium Ltd Location: Seven Hills Crematorium, Felixstowe Road, Nacton, Ipswich, Ip10 0fg Authority: Suffolk Coastal District Council, Environmental Health Department Permit Reference: EPR 01 Dated: 22nd September 2010 Process Type: Local Authority Pollution Prevention and Control Description: PG5/2 Crematoria Status: Permitted Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	951	2	623008 241314
	Nearest Surface Water Feature	A13NW (N)	6	-	623916 240874
2	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Ipswich District Authority: Environment Agency, Anglian Region Pollutant: Crude Sewage Note: Bucklesham Mill Catchment Incident Date: 4th July 1998 Incident Reference: 3183 Catchment Area: Not Given Receiving Water: Potential River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15NW (E)	883	3	625001 241001
3	Water Abstractions Operator: Levington Horticulture Ltd., Licence Number: 7/35/10/*g/085 Permit Version: Not Supplied Location: Bore North Of Levington Hall, LEVINGTON Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): Not Supplied Yearly Rate (m3): 1309000 Details: E chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	568	3	624005 239900
3	Water Abstractions Operator: Scotts Co (Uk) Ltd Licence Number: 7/35/10/*G/0085 Permit Version: 103 Location: Bore N Of Levington Hall 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: Levington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th November 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	569	3	624000 239900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Water Abstractions Operator: Scotts Co (Uk) Ltd Licence Number: 7/35/10/*G/0085 Permit Version: 103 Location: Bore N Of Levington Hall 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: Levington Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 30th November 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	569	3	624000 239900
3	Water Abstractions Operator: Scotts Co (Uk) Ltd Licence Number: 7/35/10/*G/0085 Permit Version: 102 Location: Bore N Of Levington Hall 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: Levington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	569	3	624000 239900
3	Water Abstractions Operator: Scotts Co (Uk) Ltd Licence Number: 7/35/10/*G/0085 Permit Version: 102 Location: Bore N Of Levington Hall 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: Levington Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	569	3	624000 239900
3	Water Abstractions Operator: Levington Horticulture Ltd., Licence Number: 7/35/10/*g/085 Permit Version: Not Supplied Location: Borehole North Of, LEVINGTON Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 9 Yearly Rate (m3): 1309000 Details: E chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	573	3	624005 239895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Water Abstractions Operator: Home Farm Nacton Licence Number: 7/35/10/*S/0054 Permit Version: 100 Location: Stream At Decoy Wood, Nacton Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	931	3	623010 240110
4	Water Abstractions Operator: Home Farm Nacton Licence Number: 7/35/10/*s/054 Permit Version: Not Supplied Location: Stream, Decoy Wood, NACTON Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 50 Yearly Rate (m3): 1091000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	934	3	623010 240105
	Water Abstractions Operator: MrMr J Kerr Licence Number: 7/35/10/*G/0001 Permit Version: 100 Location: Bore Nr Street Fm, Bucklesham 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: E chalk; Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 1983 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1157	3	624090 242030
	Water Abstractions Operator: J P Ramsey Licence Number: 7/35/10/*G/0021 Permit Version: 100 Location: Bore At Red House Farm, Bucklesham 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: E chalk; Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st August 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1185	3	625330 240965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: 7/35/10/*G/0126 Permit Version: 105 Location: Bore At Red House Farm, Bucklesham 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: Red House Farm Bucklesham Ipswich Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970
	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: 7/35/10/*G/0126 Permit Version: 105 Location: Bore, Red House Fm, Bucklesham Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red House Farm Bucklesham Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 104 Location: Bore At Red House Farm, Bucklesham 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: Red House Farm Bucklesham Ipswich Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 104 Location: Bore, Red House Fm, Bucklesham Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red House Farm Bucklesham Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 103 Location: Bore, Red House Fm, Bucklesham Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red House Farm Bucklesham Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 103 Location: Bore At Red House Farm, Bucklesham 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: Red House Farm Bucklesham Ipswich Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 24th April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 102 Location: Bore, Red House Fm, Bucklesham 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: Red House Farm Bucklesham Ipswich Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 13th December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 102 Location: Bore, Red House Fm, Bucklesham Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red House Farm Bucklesham Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 101 Location: Bore, Red House Fm, Bucklesham 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: Red House Farm Bucklesham Ipswich Suffolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 23rd August 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970
	Water Abstractions Operator: R F Ramsey Licence Number: 7/35/10/*G/0126 Permit Version: 100 Location: Bore, Red House Fm, Bucklesham 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: E chalk; Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st January 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NE (E)	1187	3	625330 240970
	Water Abstractions Operator: Home Farm Nacton Licence Number: 7/35/10/*S/0118 Permit Version: 101 Location: Imp.Res At Redhouse Fm,LevTon Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 10th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1224	3	623700 239300
	Water Abstractions Operator: Mr & Mrs C E Ayers Licence Number: 7/35/10/*S/0118 Permit Version: 100 Location: Imp.Res At Redhouse Fm,LevTon Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st December 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1224	3	623700 239300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161a/R01 Permit Version: 2 Location: Borehole B At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th March 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NE (NW)	1326	3	622787 241660
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161a/R01 Permit Version: 1 Location: Borehole B At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NE (NW)	1326	3	622787 241660
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161a Permit Version: 1 Location: Borehole B At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NE (NW)	1326	3	622787 241660
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161a Permit Version: 1 Location: Borehole 1 At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1347	3	623100 242000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161 Permit Version: 2 Location: Borehole 1 At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1347	3	623100 242000
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161a Permit Version: 1 Location: Borehole 2 At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NE (NW)	1365	3	622700 241600
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161 Permit Version: 2 Location: Borehole 2 At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NE (NW)	1365	3	622700 241600
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161a/R01 Permit Version: 2 Location: Borehole A At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th March 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NW (NW)	1424	3	623087 242085

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161a/R01 Permit Version: 1 Location: Borehole A At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NW (NW)	1424	3	623087 242085
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0161a Permit Version: 1 Location: Borehole A At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NW (NW)	1424	3	623087 242085
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0162/R01 Permit Version: 2 Location: Borehole At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th March 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NW (NW)	1448	3	623113 242129
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0162/R01 Permit Version: 1 Location: Borehole At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NW (NW)	1448	3	623113 242129

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Home Farm (Nacton) Ltd Licence Number: 7/35/10/*G/0162 Permit Version: 2 Location: Borehole At Nacton Ipswich Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Nacton Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd February 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NW (NW)	1448	3	623113 242129
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: An/035/0010/001 Permit Version: 1 Location: 15 Wellpoints At Levington Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walk Farm Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1579	3	625400 239600
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0157b Permit Version: 1 Location: 15 Wellpoints At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walk Farm Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1579	3	625400 239600
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0157a Permit Version: 1 Location: 15 Wellpoints At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walk Farm Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 16th June 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1579	3	625400 239600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0157 Permit Version: 1 Location: Wellpoints At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1579	3	625400 239600
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0152 Permit Version: 1 Location: Wellpoints At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 17th January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1579	3	625400 239600
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0136 Permit Version: 101 Location: Wellpoints At Levington 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: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 27th September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NE (SE)	1579	3	625400 239600
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0136 Permit Version: 100 Location: Wellpoints At Levington 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: Glacial Sand and Gravel; Status: Temporary Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NE (SE)	1579	3	625400 239600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*g/122 Permit Version: Not Supplied Location: Well Points At Walk Farm, TRIMLEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 28 Yearly Rate (m3): 750000 Details: Glacial Sand and Gravel; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1579	3	625400 239600
	Water Abstractions Operator: A E Rout & Sons Licence Number: 7/35/10/*g/125 Permit Version: Not Supplied Location: Bore At Piggeries, Nacton, FOXHALL Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 26 Yearly Rate (m3): 264000 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 100m	A16NW (NW)	1624	3	622285 241415
	Water Abstractions Operator: Kffe Trading Limited Licence Number: 7/35/10/*g/141 Permit Version: Not Supplied Location: Borehole At, NACTON Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 3 Yearly Rate (m3): 7000 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	A16NW (NW)	1626	3	622355 241545
	Water Abstractions Operator: A E Rout & Sons Licence Number: 7/35/10/*G/0140 Permit Version: 100 Location: Borehole No.2, Felixstowe Rd 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: Temporary Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1628	3	622280 241415

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: K F F E Trading Ltd Licence Number: 7/35/10/*G/0141 Permit Version: 100 Location: Borehole At Nacton Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Crag; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1630	3	622350 241545
	Water Abstractions Operator: A E Rout & Sons Licence Number: 7/35/10/*g/125 Permit Version: Not Supplied Location: Bore , Piggeries, NORTH ACTONORTH Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 14 Yearly Rate (m3): 38000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1630	3	622280 241420
	Water Abstractions Operator: K F F E Trading Ltd Licence Number: 7/35/10/*G/0141 Permit Version: 100 Location: Borehole At Nacton 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 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1633	3	622350 241550
	Water Abstractions Operator: A E Rout & Sons Licence Number: 7/35/10/*g/125 Permit Version: Not Supplied Location: Bore At Piggeries, Nacton, FOXHALL Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 53 Yearly Rate (m3): 528000 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 100m	(NW)	1646	3	622255 241405

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A E Rout & Sons Licence Number: 7/35/10/*G/0139 Permit Version: 100 Location: Borehole No.1, Felixstowe Rd 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: Temporary Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NW)	1651	3	622250 241405
	Water Abstractions Operator: A E Rout & Sons Licence Number: 7/35/10/*g/125 Permit Version: Not Supplied Location: Bore , Piggeries, NORTH ACTONORTH Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 14 Yearly Rate (m3): 38000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NW)	1653	3	622250 241410
	Water Abstractions Operator: W O & P O Jolly Holdings Ltd Licence Number: 7/35/10/*S/0075 Permit Version: 104 Location: Res At Steel'S Fm,Bucklesham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brightwell, Suffolk Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 17th May 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1706	3	624500 242480
	Water Abstractions Operator: W O & P O Jolly Holdings Ltd Licence Number: 7/35/10/*S/0075 Permit Version: 104 Location: Res At Steel'S Fm,Bucklesham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 17th May 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1706	3	624500 242480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W O & P O Jolly Holdings Ltd Licence Number: 7/35/10/*S/0075 Permit Version: 103 Location: Res At Steel'S Fm,Bucklesham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brightwell, Suffolk Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 18th October 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1706	3	624500 242480
	Water Abstractions Operator: W O & P O Jolly Holdings Ltd Licence Number: 7/35/10/*S/0075 Permit Version: 102 Location: Res At Steel'S Fm,Bucklesham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brightwell, Suffolk Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 20th May 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1706	3	624500 242480
	Water Abstractions Operator: W O & P O Jolly Holdings Ltd Licence Number: 7/35/10/*S/0075 Permit Version: 101 Location: Res At Steel'S Fm,Bucklesham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brightwell, Suffolk Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 10th October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1706	3	624500 242480
	Water Abstractions Operator: Mrs N Causton Licence Number: 7/35/10/*S/0075 Permit Version: 100 Location: Res At Steel'S Fm,Bucklesham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 1st January 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1706	3	624500 242480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D S Carr Licence Number: 7/35/10/*i/129 Permit Version: Not Supplied Location: The Cut , LEVINGTON Authority: Environment Agency, Anglian Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1801	3	623240 238870
	Water Abstractions Operator: Mr H E Smith Licence Number: 7/35/10/*g/080 Permit Version: Not Supplied Location: Well At Grove Farm, BUCKLESHAM Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1000 Details: Glacial Sand and Gravel; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1887	3	625950 241330
	Groundwater Vulnerability 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	A13NE (W)	0	3	623964 240679
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (W)	0	1	623964 240679
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (W)	0	1	623964 240679
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
5	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A12SW (W)	535	4	623221 240555

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A12SW (W)	552	4	623216 240511
7	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 78.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manor Ponds Catchment Name: Deben Primacy: 1	A12SW (W)	554	4	623214 240513
8	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 27.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A12SW (W)	560	4	623218 240483
9	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manor Ponds Catchment Name: Deben Primacy: 1	A12SW (W)	574	4	623217 240447
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A12SW (W)	574	4	623211 240463
11	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 129.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manor Ponds Catchment Name: Deben Primacy: 1	A12SW (W)	603	4	623188 240443
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Manor Ponds Catchment Name: Deben Primacy: 1	A12SW (W)	707	4	623111 240364
13	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 133.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Manor Ponds Catchment Name: Deben Primacy: 1	A12SW (W)	714	4	623106 240359
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 212.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SE (SW)	754	4	623413 239998

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	814	4	623035 240281
16	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 49.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	827	4	623024 240273
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	863	4	623165 240045
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	866	4	623188 240022
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SW (SW)	870	4	623223 239990
20	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	875	4	622986 240243
21	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	875	4	622986 240243
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	877	4	622982 240246
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	878	4	622986 240238

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SE (SW)	886	4	623341 239888
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	887	4	622966 240255
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 239.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	909	4	623131 240014
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SW (SW)	911	4	623139 240003
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SW (SW)	911	4	623212 239947
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SW (SW)	919	4	623151 239984
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SE (SW)	929	4	623318 239852
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 280.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7NW (SW)	941	4	622963 240157
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SW (SW)	949	4	623268 239861

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SW (SW)	958	4	623180 239912

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Historical Landfill Sites Licence Holder: Not Supplied Location: Levington Lane, Bucklesham Name: Levington Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD03308 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3500/0596 BGS Ref: Not Supplied Other Ref: OFSSC5	A18NE (N)	692	3	624138 241532
35	Historical Landfill Sites Licence Holder: Warman Haulage Limited Location: Tenth Road, Bucklesham Name: The Bungalow Operator Location: Rose Cottage, Barham Green, Ipswich Boundary Accuracy: As Supplied Provider Reference: EAHLD03046 First Input Date: 19th December 1990 Last Input Date: 31st December 1991 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3500/0627 BGS Ref: Not Supplied Other Ref: 907/01/16/46, FSSC 21, SFK/LS/094/01	A15NW (E)	866	3	625039 240791
36	Historical Landfill Sites Licence Holder: Not Supplied Location: Bridge Farm, Levington Name: Bridge Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD03032 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: OFSSC11	A3NW (S)	908	3	623881 239577
	Local Authority Landfill Coverage Name: Suffolk County Council - Has supplied landfill data		0	5	623964 240679
	Local Authority Landfill Coverage Name: Suffolk Coastal District Council - Had landfill data but passed it to the relevant environment agency		0	2	623964 240679
37	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1988	A14NW (E)	400	-	624550 240830
38	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1975	A15NW (E)	898	-	625068 240814
39	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A3NW (S)	953	-	623950 239520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Registered Landfill Sites Licence Holder: Warman Haulage Licence Reference: 907/01/16/46 Site Location: The Bungalow, Tenth Road, Bucklesham, Ipswich, Suffolk Licence Easting: 625070 Licence Northing: 240800 Operator Location: Rose Cottage, Barham Green, Ipswich, Suffolk 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 December 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: Brick, Concrete, Stone Coal, Coke, Ash & Clinker Therefrom Dry Inert Constr'N/Demol/Excav. Waste Plaster Top/Subsoil,Clay,Sand,Silica Prohibited Waste: All Other Waste Foundry Sand Paper/Cardboard Waste Putrescible Waste	A15NW (E)	898	3	625070 240800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Neogene To Quaternary Rocks (Undifferentiated)	A13NE (W)	0	1	623964 240679
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13NE (W)	0	1	623964 240679
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13NE (N)	105	1	623964 241000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (E)	845	1	625020 240768
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A7SW (SW)	981	1	623067 239969
41	BGS Recorded Mineral Sites Site Name: Potter'S Hole Gravel Pit Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 213545 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kesgrave Catchment Subgroup Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NE (W)	126	1	623615 240716
42	BGS Recorded Mineral Sites Site Name: Scotland Barn Gravel Pit Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 213582 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Neogene Geology: Red Crag Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NW (E)	407	1	624555 240835

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	BGS Recorded Mineral Sites Site Name: Bucklesham Quarry Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 6802 Type: Opencast Status: Dormant Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kesgrave Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 100m	A15SW (E)	823	1	625000 240600
44	BGS Recorded Mineral Sites Site Name: Redhouse Farm Pit Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 213581 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Neogene Geology: Red Crag Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A15NW (E)	888	1	625059 240803
45	BGS Recorded Mineral Sites Site Name: Redhouse Farm Crag Pit Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 213552 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Neogene Geology: Red Crag Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A3NW (S)	944	1	623938 239530
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	623964 240679
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	623964 240679
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	623964 240679
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	623964 240679
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	623964 240679
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NE (W)	221	1	623520 240730
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SW (SE)	232	1	624315 240408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	623964 240679
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	623964 240679
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (W)	0	1	623964 240679

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	Contemporary Trade Directory Entries Name: B D K Location: Levington Park, Bridge Road, Levington, Ipswich, Suffolk, IP10 0JE Classification: Adhesives, Glues & Sealants Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	616	-	623950 239861
46	Contemporary Trade Directory Entries Name: Russell Davies Container Transport Ltd Location: OOCL Ho, Levington Park, Ridge Rd, Levington, Ipswich, Suffolk, IP10 0NA Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	618	-	623947 239860
47	Contemporary Trade Directory Entries Name: Brinor International Shipping & Forwarding Ltd Location: Levington Park, Bridge Road, Levington, Ipswich, IP10 0NE Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	686	-	623836 239822
48	Contemporary Trade Directory Entries Name: Seven Hills Crematorium Nacton Location: Felixstowe Road, Nacton, Ipswich, IP10 0FG Classification: Cemeteries & Crematoria Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	929	-	623019 241290
49	Contemporary Trade Directory Entries Name: Molecatcher Location: 29, Levington Lane, Bucklesham, Ipswich, IP10 0DZ Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A24SW (N)	938	-	624357 241696
50	Points of Interest - Commercial Services Name: O C L (U K) Ltd Location: Levington Park, Bridge Road, Levington, Ipswich, Suffolk, IP10 0JE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	650	6	623823 239866
50	Points of Interest - Commercial Services Name: Brinor International Shipping & Forwarding Ltd Location: Levington Park, Bridge Road, Levington, Ipswich, IP10 0NE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	651	6	623823 239865
51	Points of Interest - Commercial Services Name: Molecatcher Location: 29 Levington Lane, Bucklesham, Ipswich, IP10 0DZ Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A24SW (N)	938	6	624357 241696
51	Points of Interest - Commercial Services Name: Molecatcher Location: 29 Levington Lane, Bucklesham, Ipswich, IP10 0DZ Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A24SW (N)	938	6	624357 241696
52	Points of Interest - Manufacturing and Production Name: Tanks Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	384	6	623356 240726
53	Points of Interest - Manufacturing and Production Name: Tank Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8NE (S)	464	6	624153 240006
53	Points of Interest - Manufacturing and Production Name: Tank Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SE (S)	468	6	624155 240002

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Points of Interest - Manufacturing and Production Name: Tanks Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	468	6	624164 240004
53	Points of Interest - Manufacturing and Production Name: Tank Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SE (S)	469	6	624143 239999
53	Points of Interest - Manufacturing and Production Name: Tank Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SE (S)	476	6	624152 239994
53	Points of Interest - Manufacturing and Production Name: Tank Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8SE (S)	479	6	624148 239990
53	Points of Interest - Manufacturing and Production Name: Tank Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	484	6	624145 239984
54	Points of Interest - Manufacturing and Production Name: Tank Location: IP10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	896	6	624423 241605
55	Points of Interest - Public Infrastructure Name: Sluice Location: IP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	519	6	623235 240562
56	Points of Interest - Public Infrastructure Name: Sluice Location: IP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	697	6	623124 240360
57	Points of Interest - Public Infrastructure Name: Sluice Location: IP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	804	6	623045 240283
58	Points of Interest - Public Infrastructure Name: Dam Location: IP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	902	6	623046 240112
59	Points of Interest - Public Infrastructure Name: Sewage Works Location: IP10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A3NW (S)	907	6	623870 239581
60	Points of Interest - Public Infrastructure Name: Seven Hills Crematorium Nacton Location: Felixstowe Road, Nacton, Ipswich, IP10 0FG Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A17SW (NW)	929	6	623018 241289

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	Points of Interest - Public Infrastructure Name: Weir Location: IP10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A6NE (SW)	984	6	622919 240145

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Areas of Outstanding Natural Beauty Name: Suffolk Coast & Heaths Multiple Areas: Y Total Area (m2): 405373333.83 Designation Date: 30th March 1970 Source: Natural England	A12NW (W)	669	7	623078 240800
63	Environmentally Sensitive Areas Name: Suffolk River Valleys (decommissioned) Multiple Areas: Y Total Area (m2): 10017140.91 Source: Natural England	A7NE (SW)	635	7	623516 240076
64	Nitrate Vulnerable Zones Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A13NE (W)	0	8	623964 240679
65	Nitrate Vulnerable Zones Name: Bucklesham Mill River Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NE (NE)	35	8	624069 240812
66	Sites of Special Scientific Interest Name: Nacton Meadows Multiple Areas: N Total Area (m2): 44711.09 Source: Natural England Reference: 1006266 Designation Details: Local Wildlife Site Designation Date: 12th March 1992 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 12th March 1992 Date Type: Notified	A7NW (SW)	805	7	623250 240043

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Ipswich Borough Council - Environmental Health Department Babergh District Council - Environmental Services Suffolk Coastal District Council - Environmental Health Department	February 2013 June 2014 March 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	April 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	April 2018	Quarterly
Local Authority Integrated Pollution Prevention And Control Suffolk Coastal District Council - Environmental Health Department Babergh District Council - Environmental Services Ipswich Borough Council - Environmental Health Department	April 2014 June 2014 October 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Suffolk Coastal District Council - Environmental Health Department Babergh District Council - Environmental Services Ipswich Borough Council - Environmental Health Department	April 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Suffolk Coastal District Council - Environmental Health Department Babergh District Council - Environmental Services Ipswich Borough Council - Environmental Health Department	April 2014 June 2014 October 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	As notified
Registered Radioactive Substances Environment Agency - Anglian Region	January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area	April 2018	Quarterly
Water Abstractions Environment Agency - Anglian Region	April 2018	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2018	Quarterly
Flood Defences Environment Agency - Head Office	May 2018	Quarterly
OS Water Network Lines Ordnance Survey	May 2018	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	April 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	April 2018	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	April 2018	Quarterly
Local Authority Landfill Coverage Babergh District Council - Environmental Services Ipswich Borough Council - Environmental Health Department Suffolk Coastal District Council - Environmental Health Department Suffolk County Council	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Ipswich Borough Council - Environmental Health Department Babergh District Council - Environmental Services Suffolk Coastal District Council - Environmental Health Department Suffolk County Council	June 2003 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Ipswich Borough Council Suffolk Coastal District Council	February 2006 February 2016 February 2016 February 2016	Annual Rolling Update Variable Variable Variable
Planning Hazardous Substance Consents Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Ipswich Borough Council Suffolk Coastal District Council	February 2006 February 2016 February 2016 February 2016	Annual Rolling Update Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2018	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	June 2018	Quarterly
Points of Interest - Education and Health PointX	June 2018	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2018	Quarterly
Points of Interest - Public Infrastructure PointX	June 2018	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2018	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	February 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2018	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	February 2018	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Suffolk Coastal District Council - Environmental Health Department Council Offices, Melton Hill, Woodbridge, Suffolk, IP12 1AU	Telephone: 01394 383789 extn 2238 Fax: 01394 385100 Website: www.suffolkcoastal.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Suffolk County Council St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Telephone: 01473 583000 Fax: 01473 230240 Website: www.suffolkcc.gov.uk
6	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit

Sand Pit

Other Pits

Quarry

Shingle

Orchard

Osiers

Reeds

Marsh

Mixed Wood

Deciduous

Brushwood

Fir

Furze

Rough Pasture

Arrow denotes flow of water

Trigonometrical Station

Site of Antiquities

Bench Mark

Pump, Guide Post, Signal Post

Well, Spring, Boundary Post

-285 Surface Level

Sketched Contour

Instrumental Contour

Main Roads

Fenced

Un-Fenced

Minor Roads

Fenced

Un-Fenced

Sunken Road

Raised Road

Road over Railway

Railway over River

Railway over Road

Level Crossing

Road over River or Canal

Road over Stream

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

Direction of Flow of Water

Shingle

Sand

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

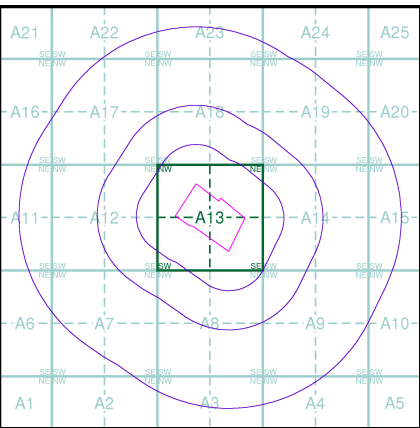
Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:10,560	1884 - 1886	3
Suffolk	1:10,560	1904	4
Suffolk	1:10,560	1927 - 1928	5
Suffolk	1:10,560	1938	6
Ordnance Survey Plan	1:10,000	1957 - 1958	7
Harwich	1:10,000	1957	8
Ordnance Survey Plan	1:10,000	1970 - 1975	9
Ordnance Survey Plan	1:10,000	1975	10
Ipswich	1:10,000	1984	11
Ordnance Survey Plan	1:10,000	1988 - 1989	12
Ordnance Survey Plan	1:10,000	1990	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2018	16

Historical Map - Slice A



Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

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

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

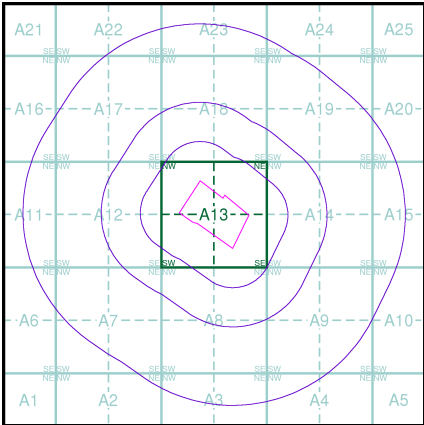
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:10,560	1884 - 1886	3
Suffolk	1:10,560	1904	4
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10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2018	16

Russian Map - Slice A



Order Details

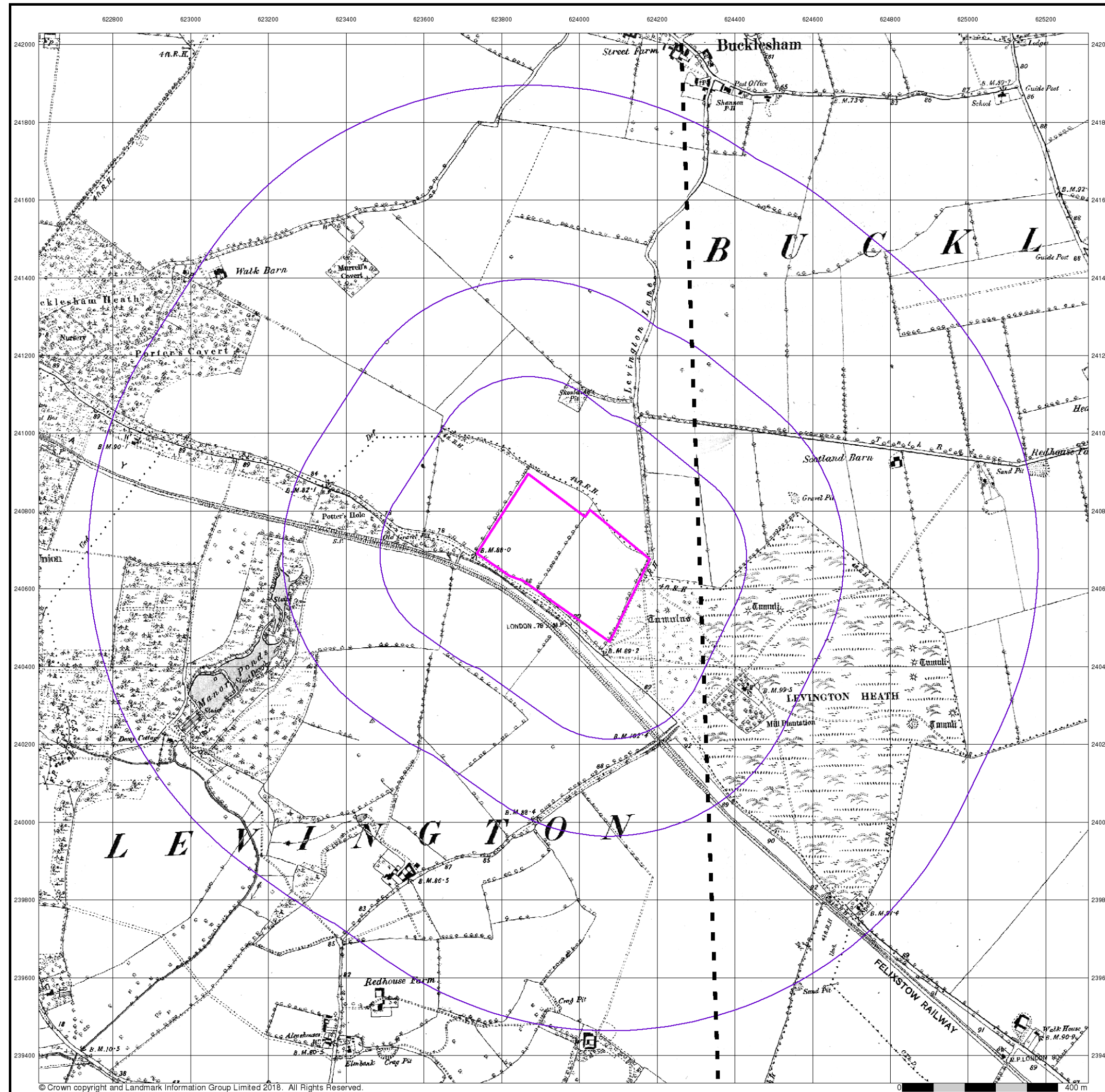
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



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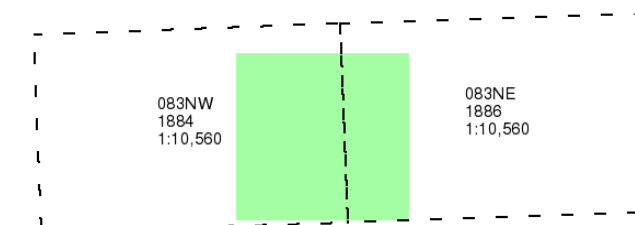
Suffolk

Published 1884 - 1886

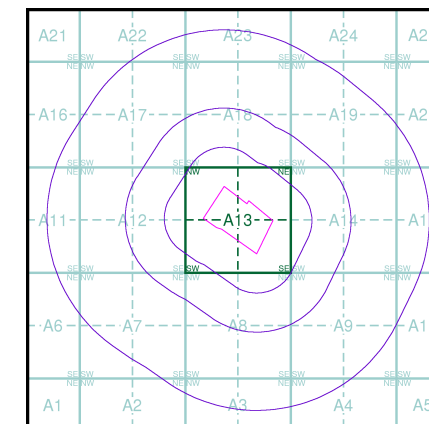
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

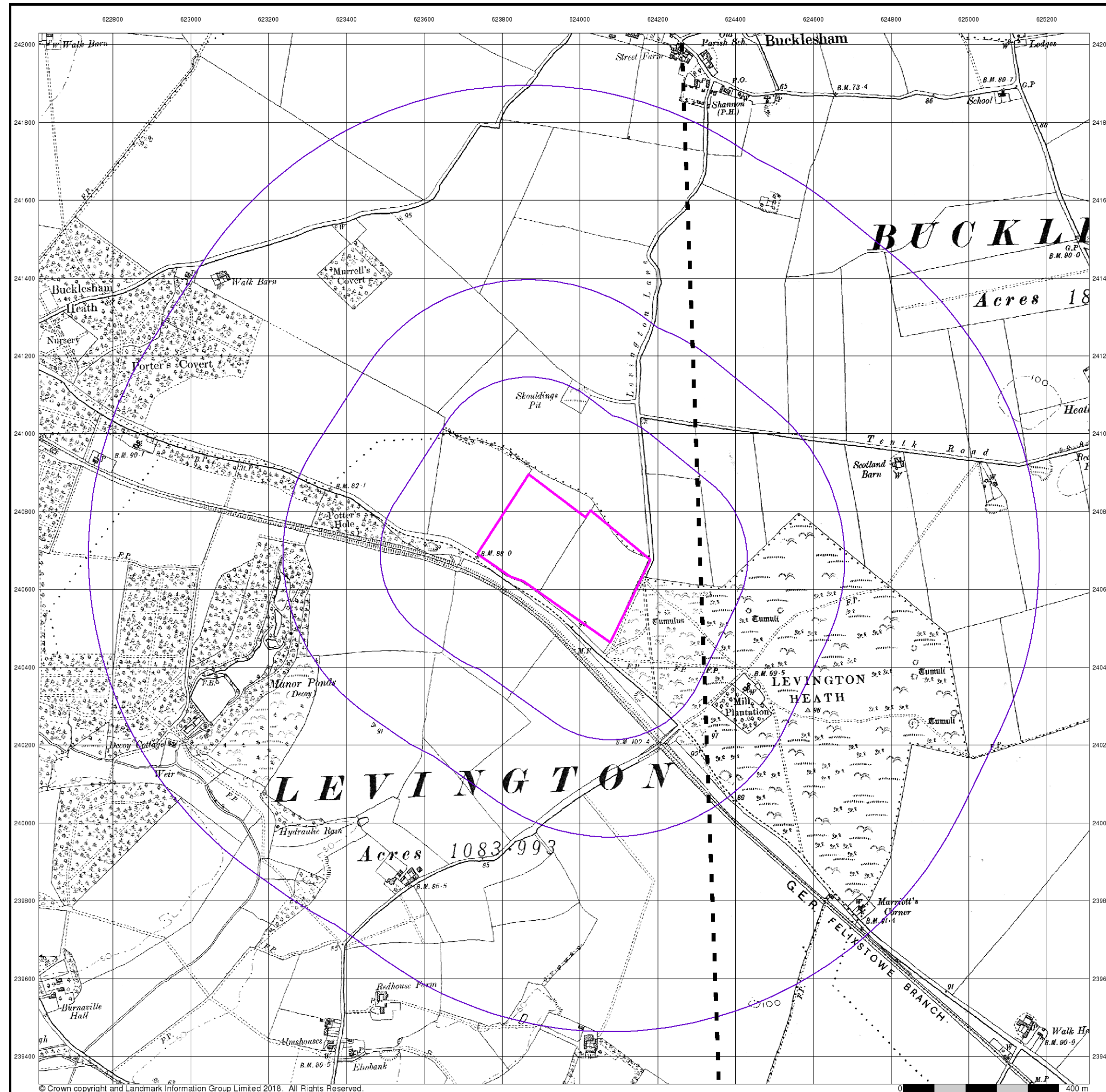
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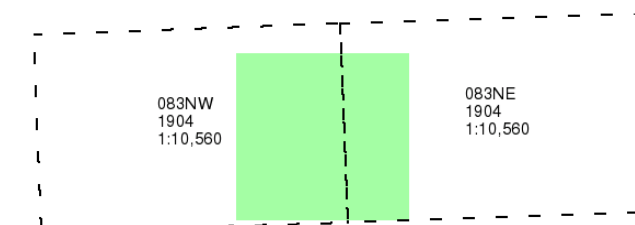
Suffolk

Published 1904

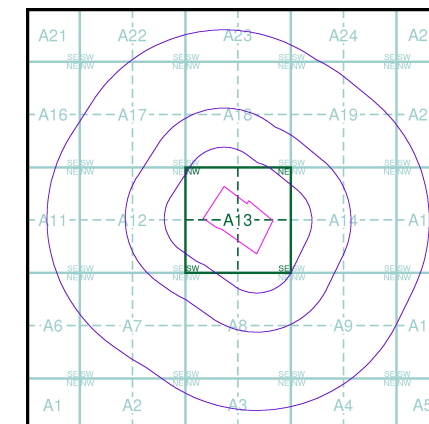
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



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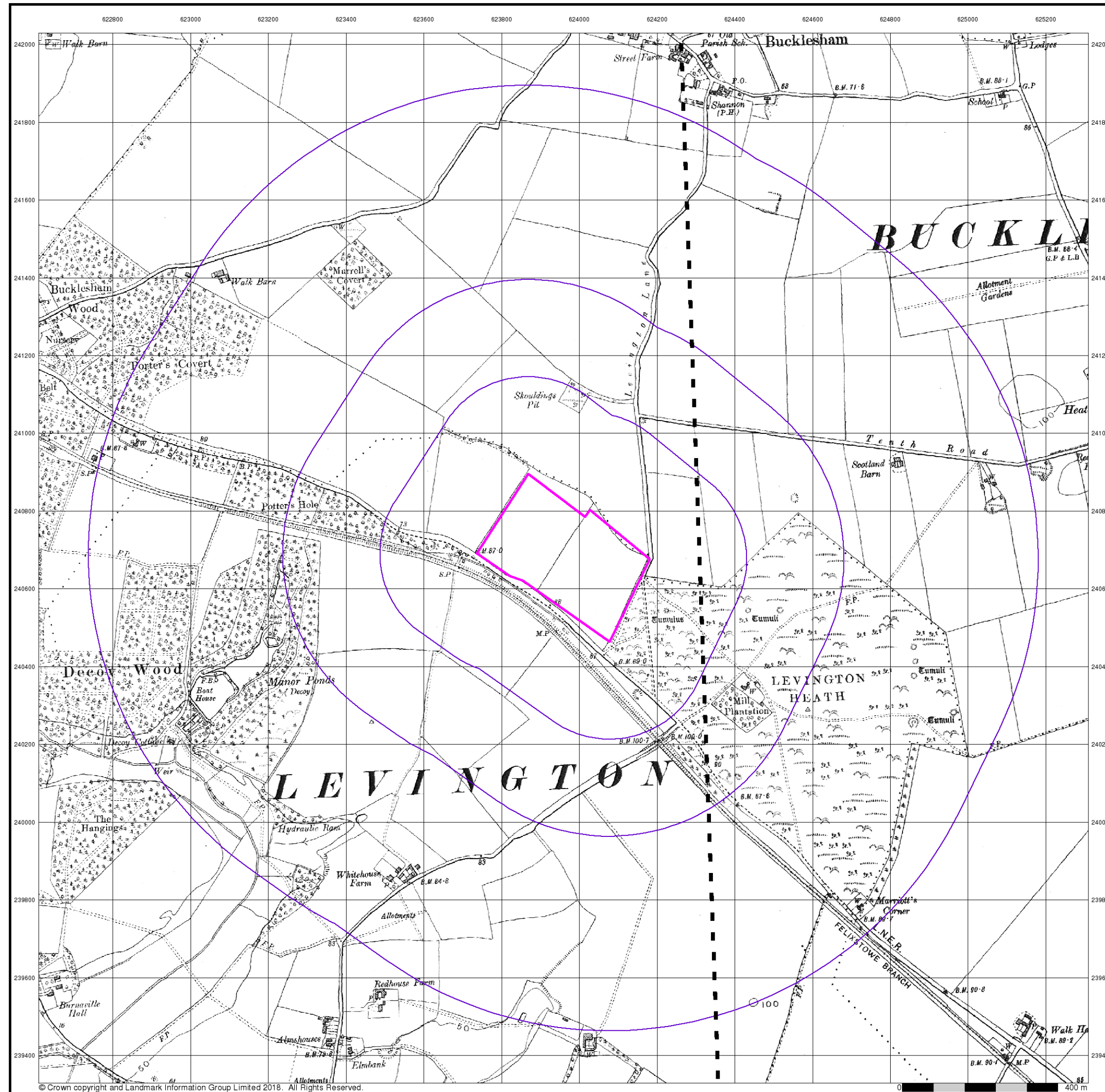
Order Number: 176556491_1_1
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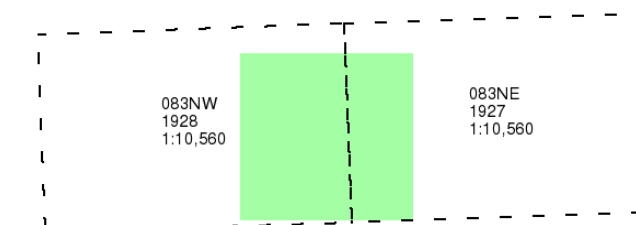
Suffolk

Published 1927 - 1928

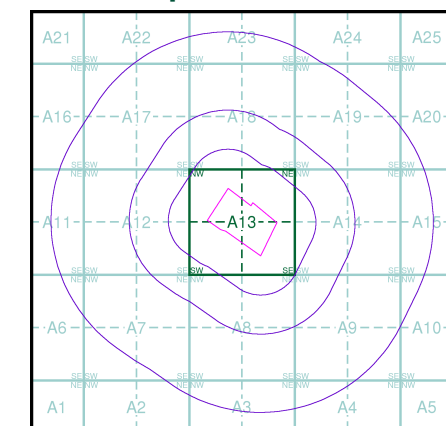
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

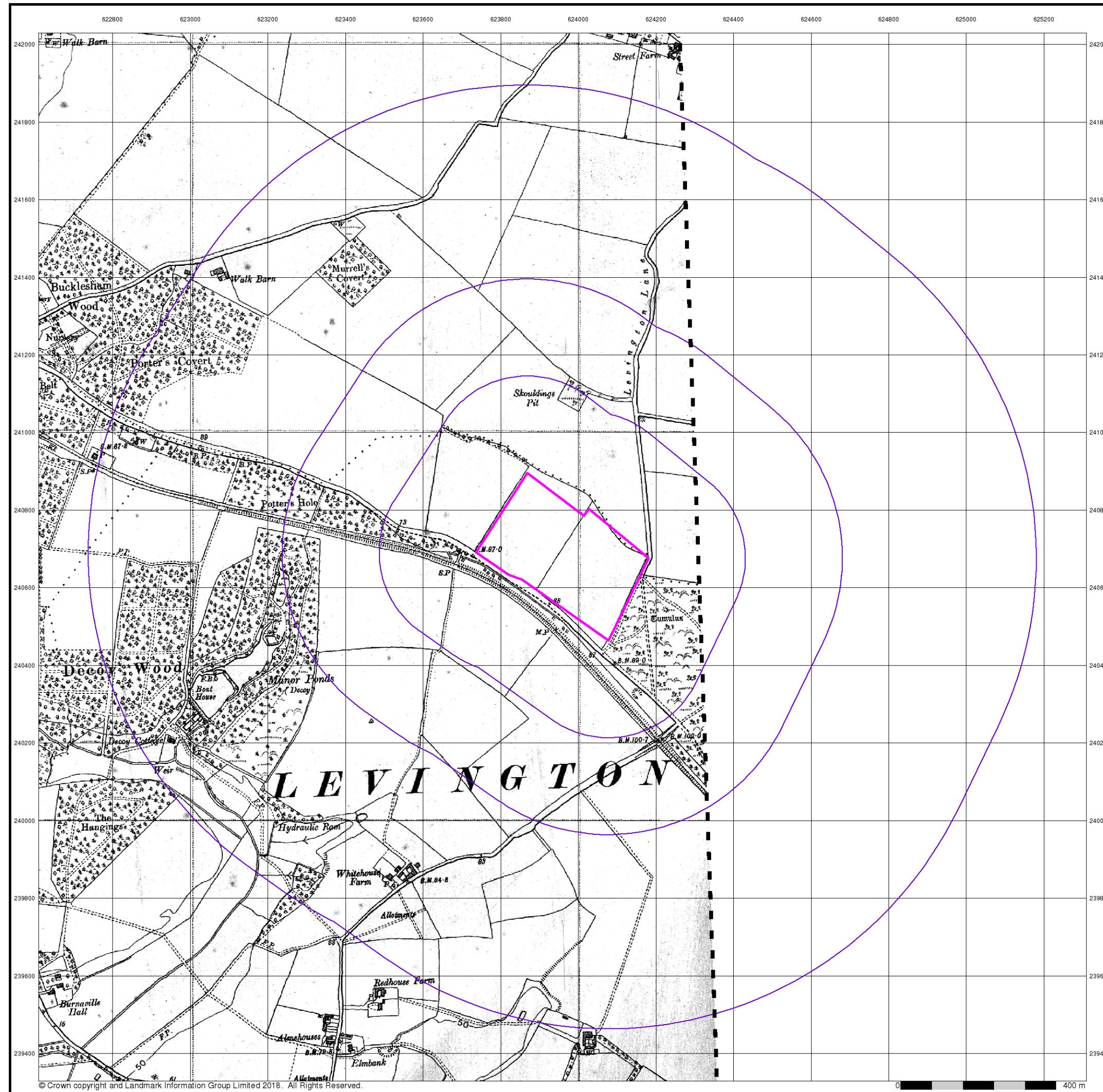
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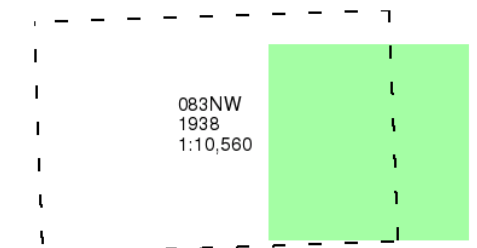
Suffolk

Published 1938

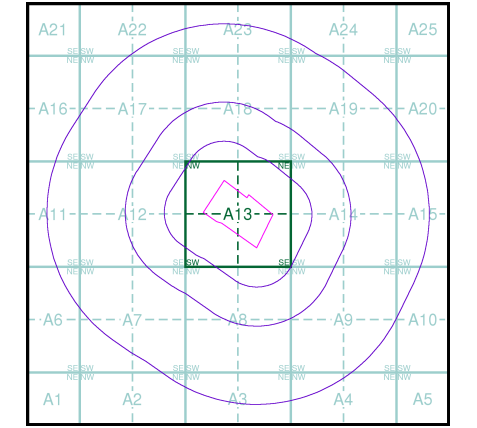
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

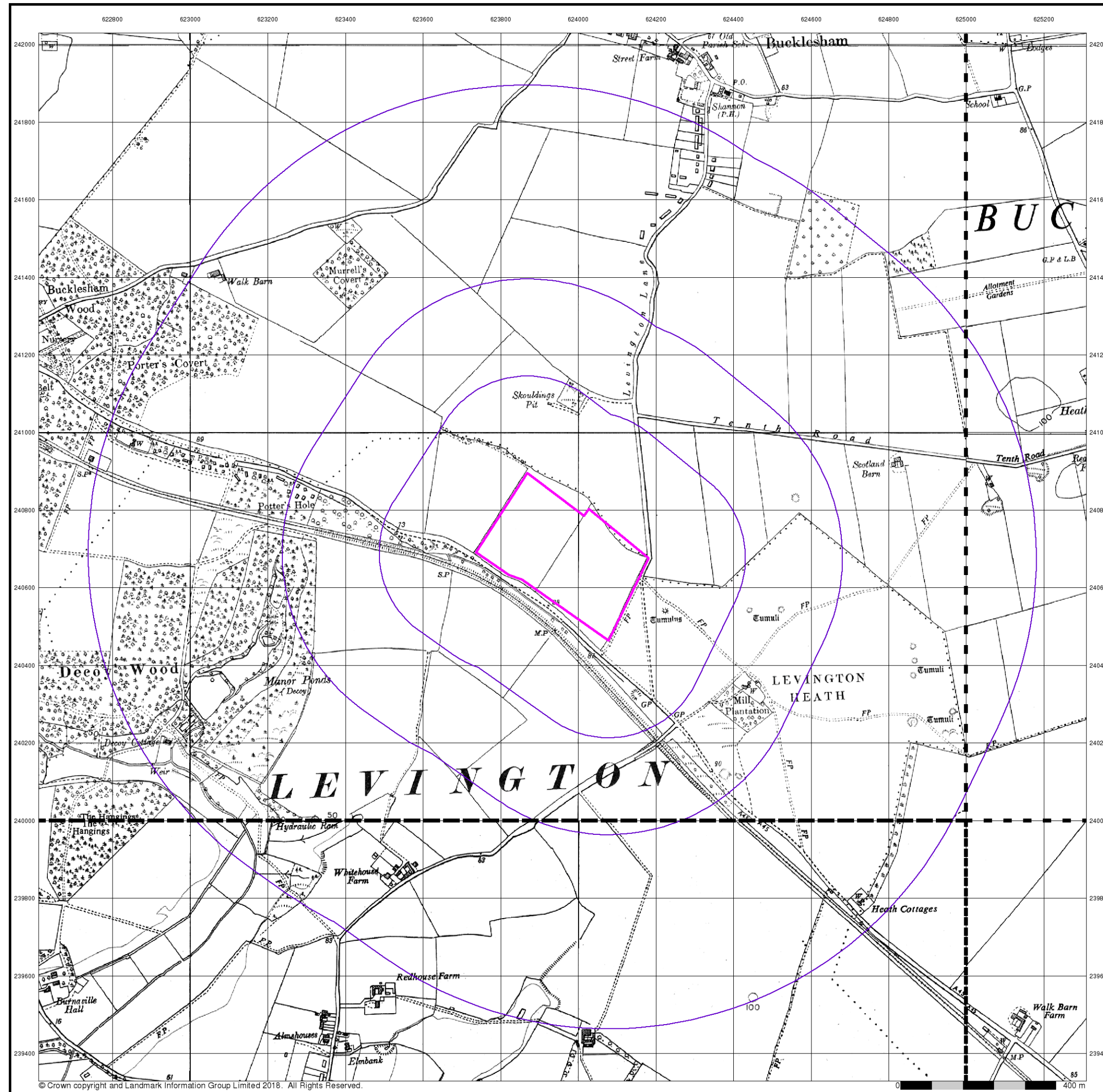
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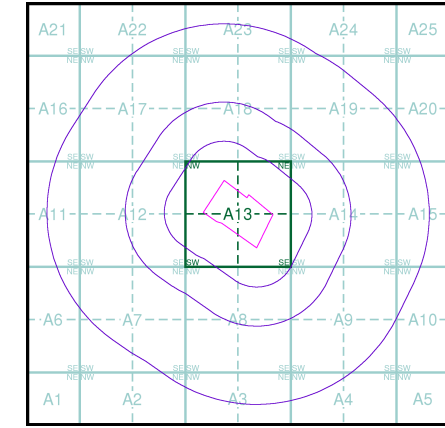
Ordnance Survey Plan
Published 1957 - 1958
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TM24SW	1958	1:10,560
TM24SE	1957	1:10,560
TM23NW	1958	1:10,560
TM23NE	1958	1:10,560

Historical Map - Slice A



Order Details

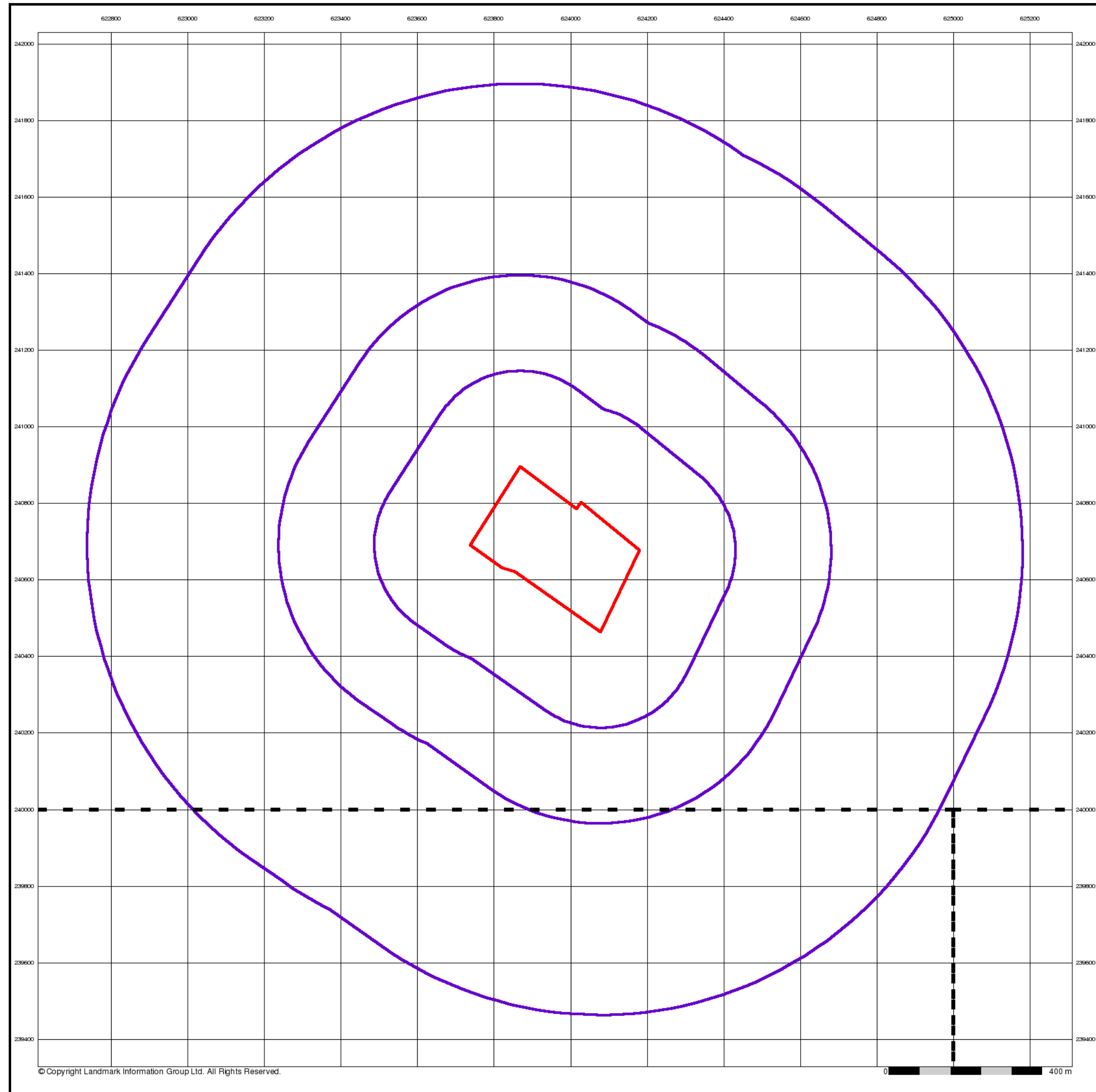
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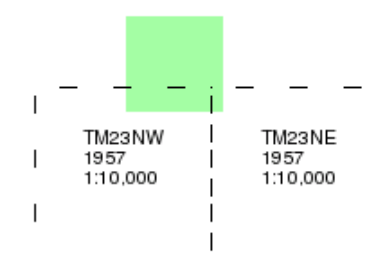
Harwich

Published 1957

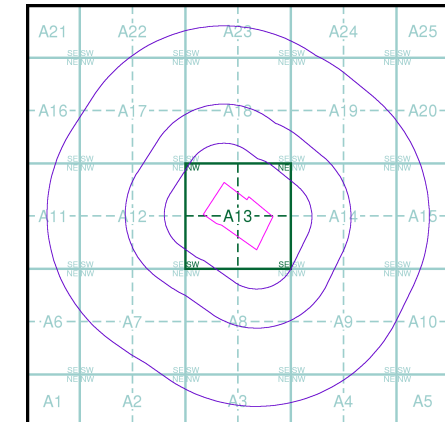
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

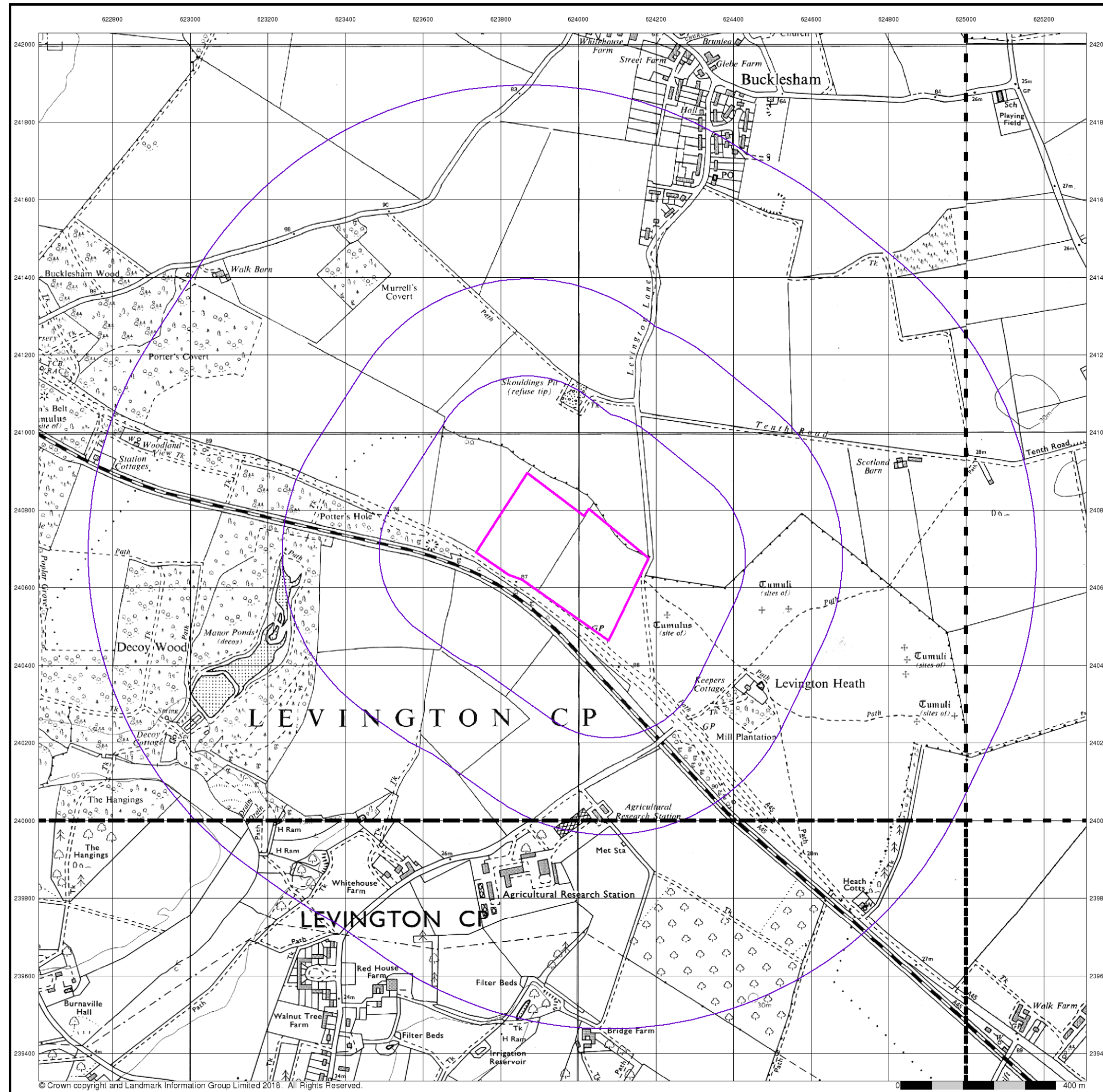
Order Number: 176556491_1_1
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Ordnance Survey Plan

Published 1970 - 1975

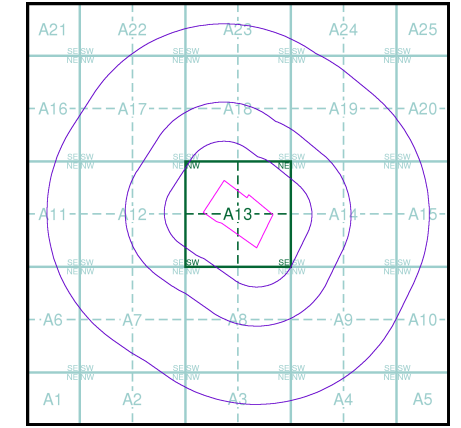
Source map scale - 1:10,000

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)

TM24SW	1971	1:10,560
TM24SE	1975	1:10,000
TM23NW	1971	1:10,000
TM23NE	1970	1:10,560

Historical Map - Slice A



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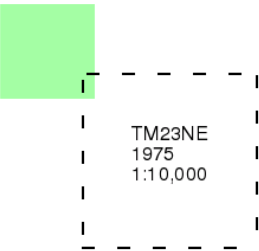
Ordnance Survey Plan

Published 1975

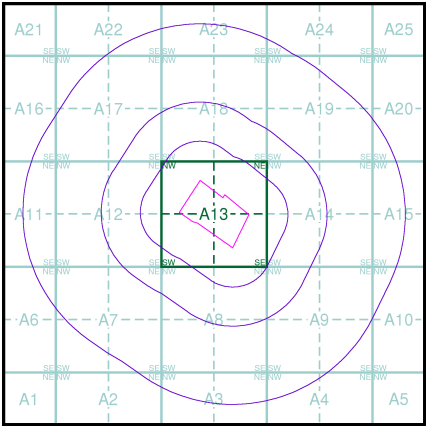
Source map scale - 1:10,000

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

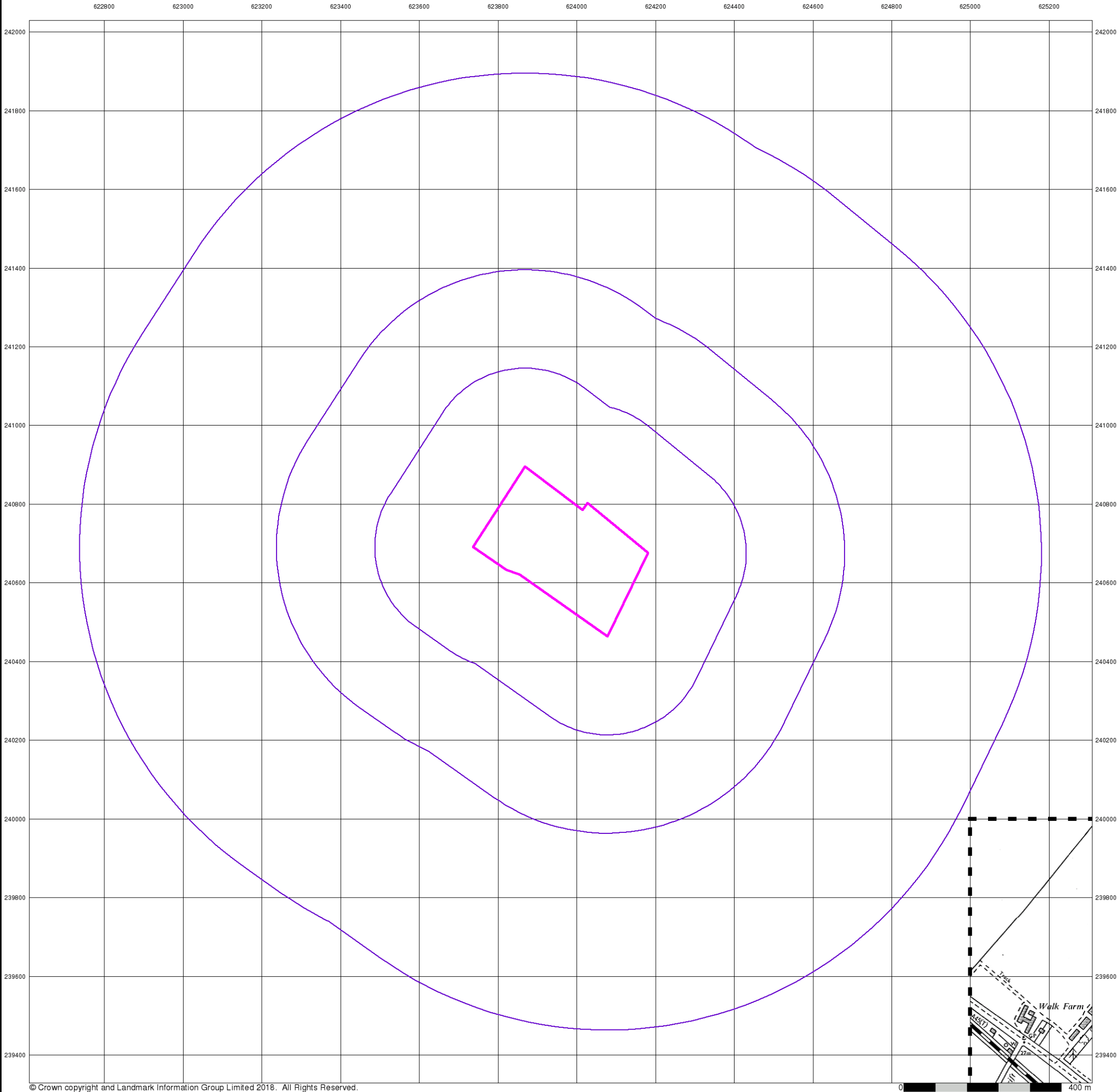


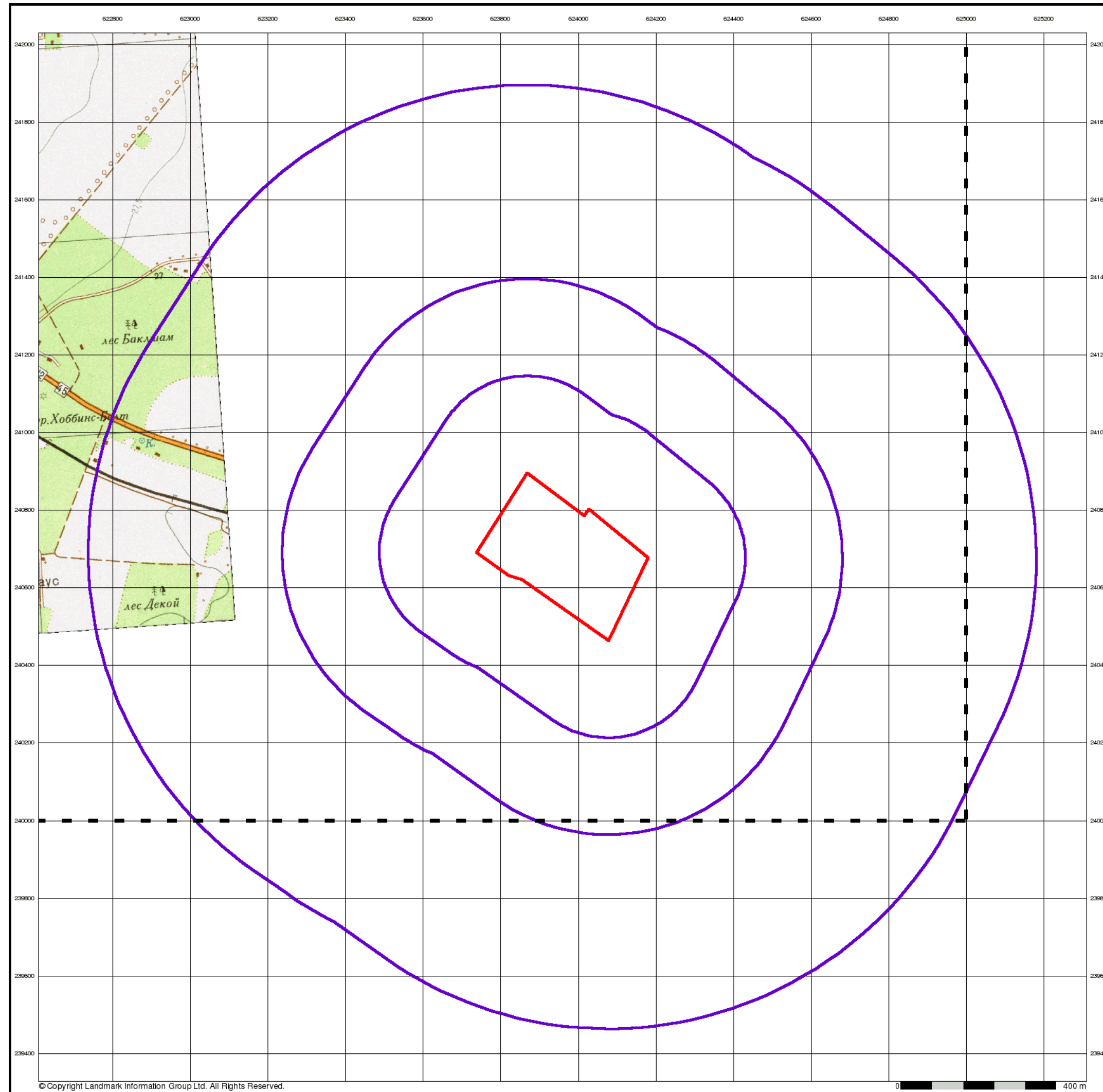
Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk





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ATKINS

Ipswich

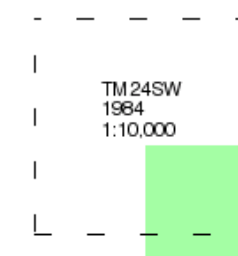
Published 1984

Source map scale - 1:10,000

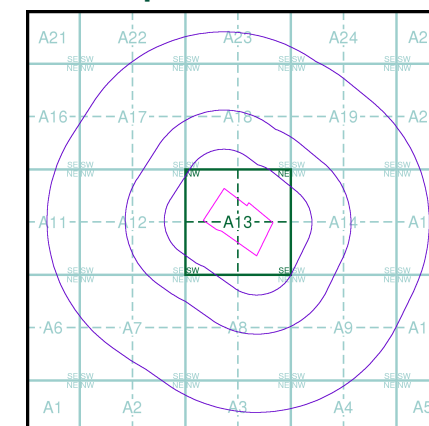
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

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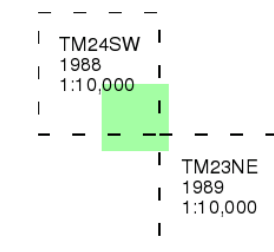
Ordnance Survey Plan

Published 1988 - 1989

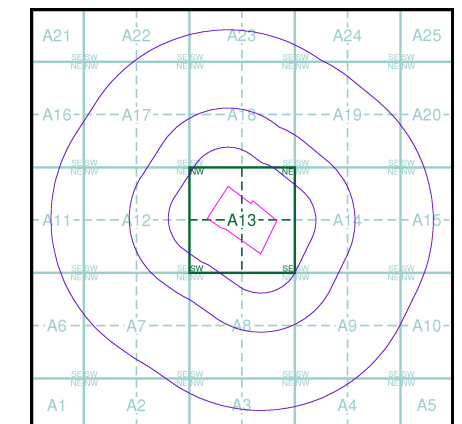
Source map scale - 1:10,000

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

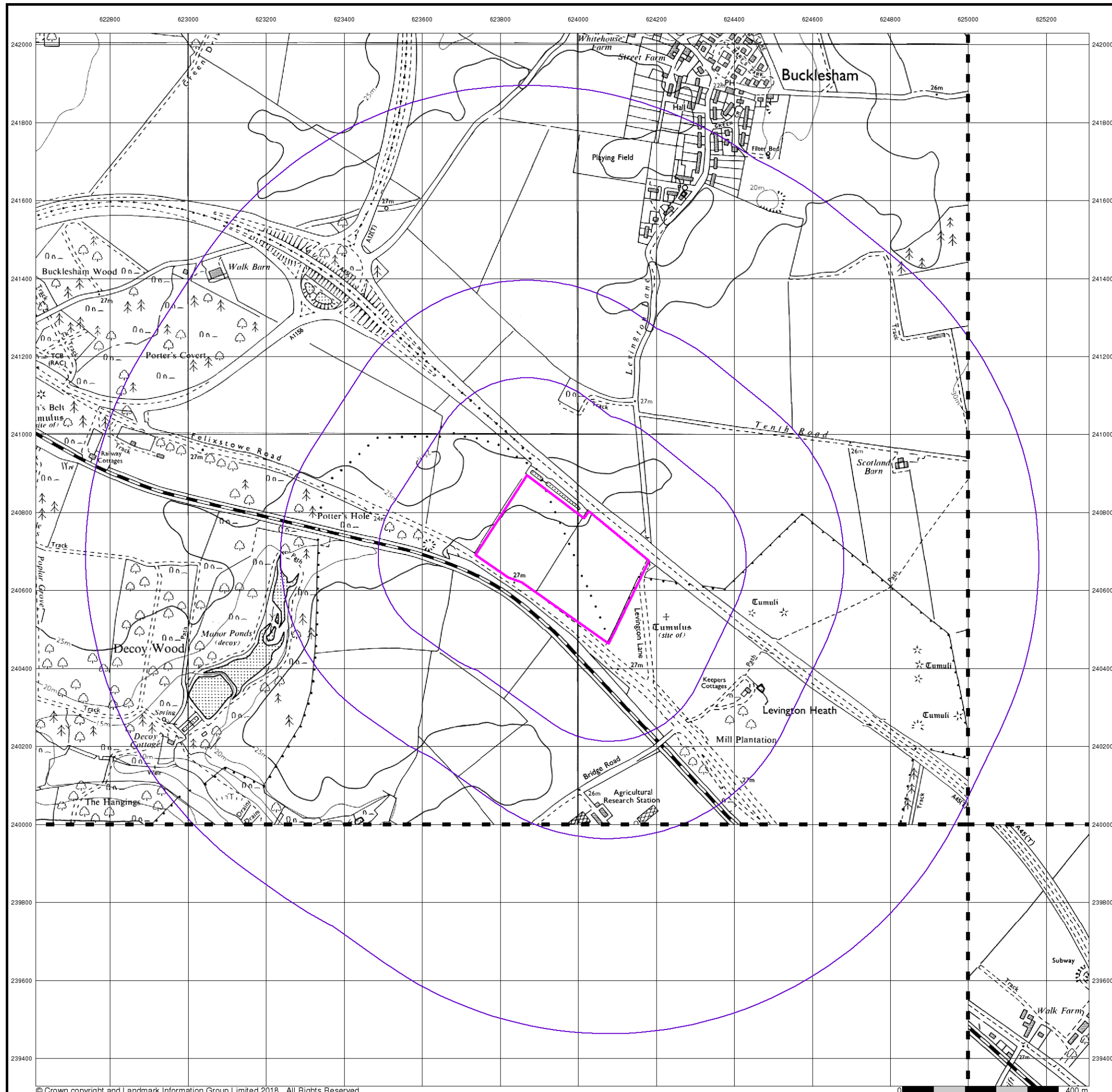


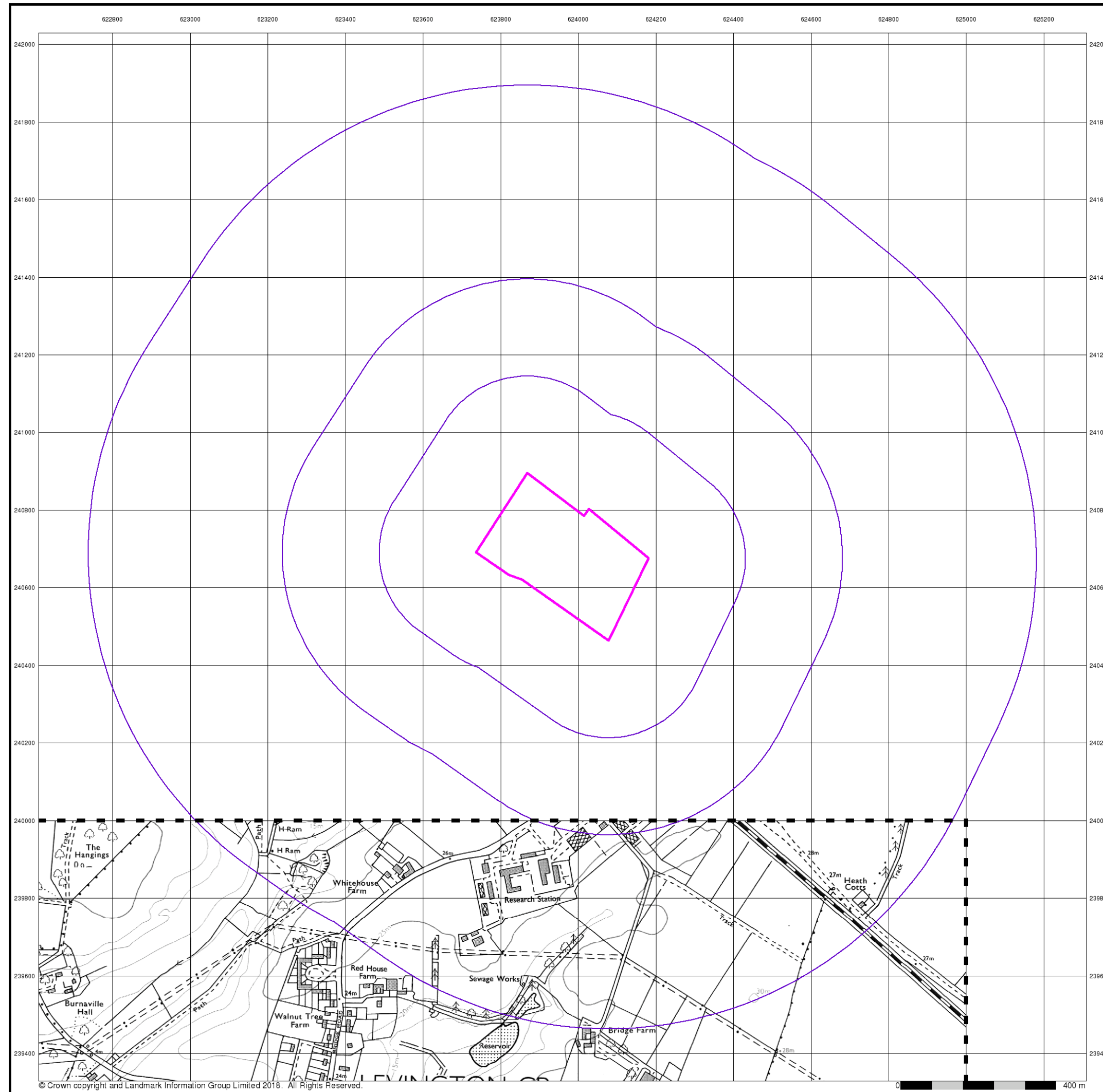
Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk





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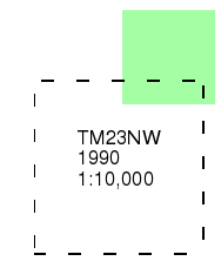
Ordnance Survey Plan

Published 1990

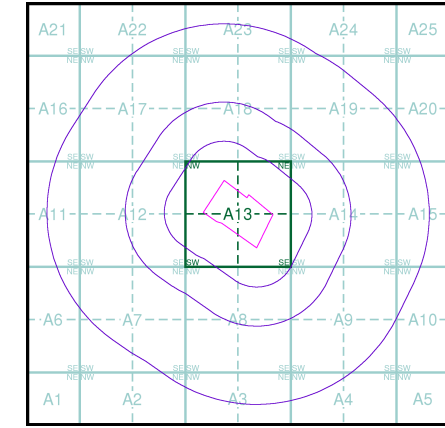
Source map scale - 1:10,000

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

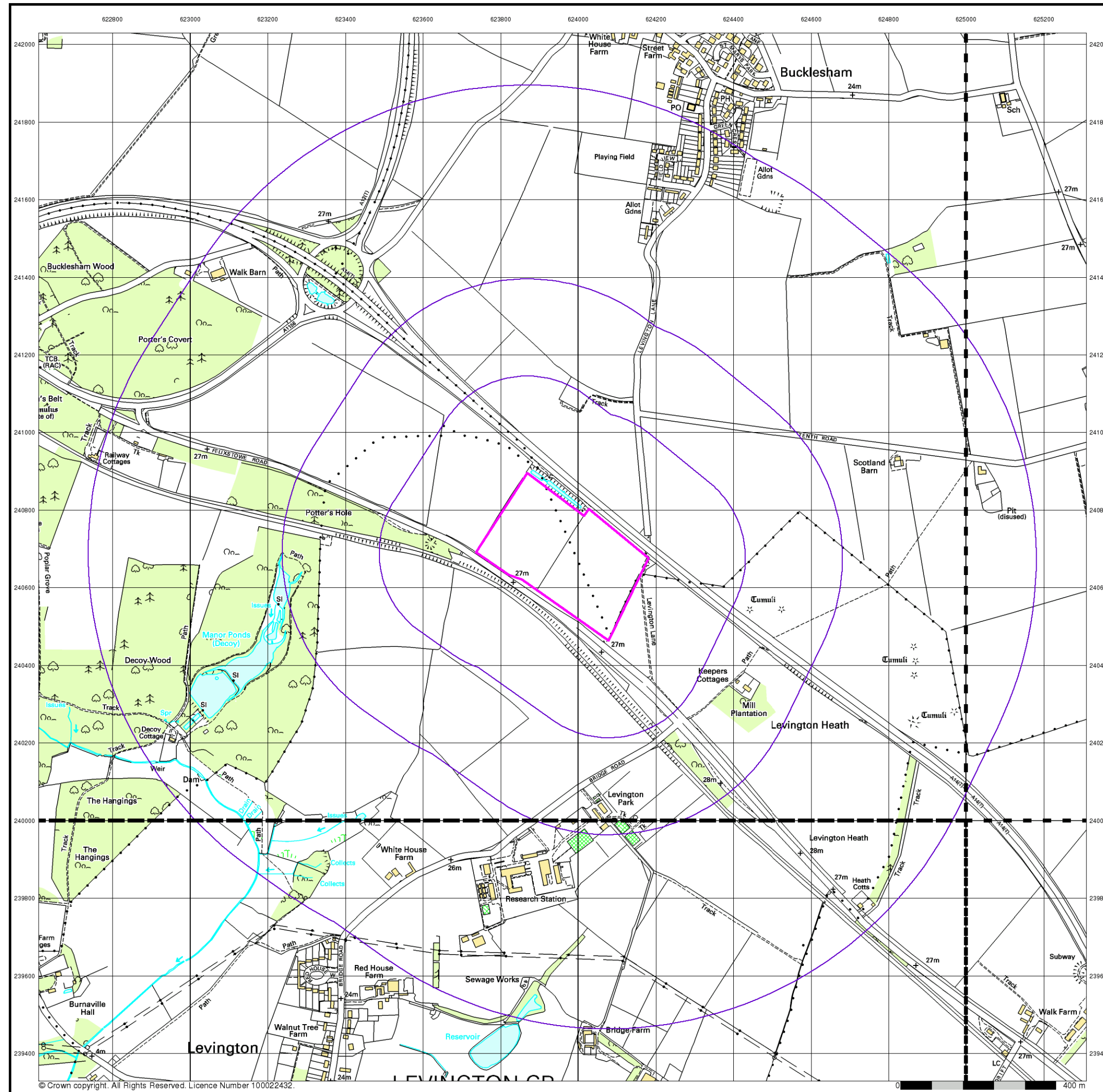
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



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10k Raster Mapping

Published 2000

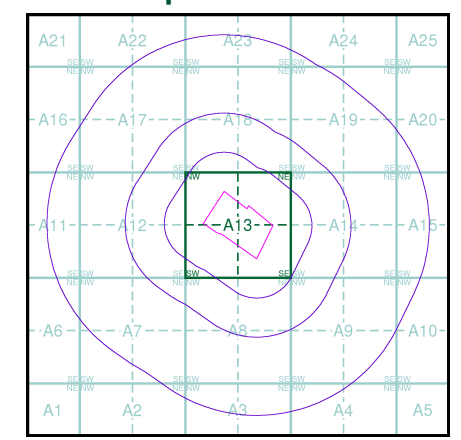
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TM24SW	TM24SE
2000	2000
1:10,000	1:10,000
TM23NW	TM23NE
2000	2000
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



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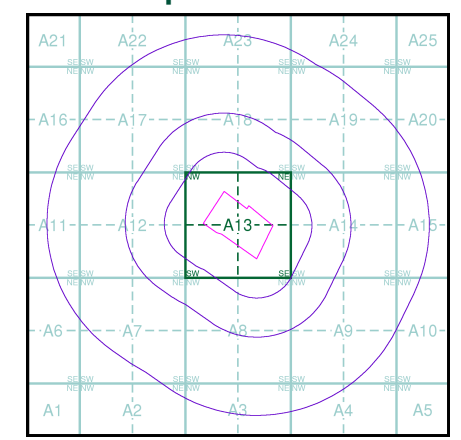
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TM24SW 2006 1:10,000	TM24SE 2006 1:10,000
TM23NW 2006 1:10,000	TM23NE 2006 1:10,000

Historical Map - Slice A



Order Details

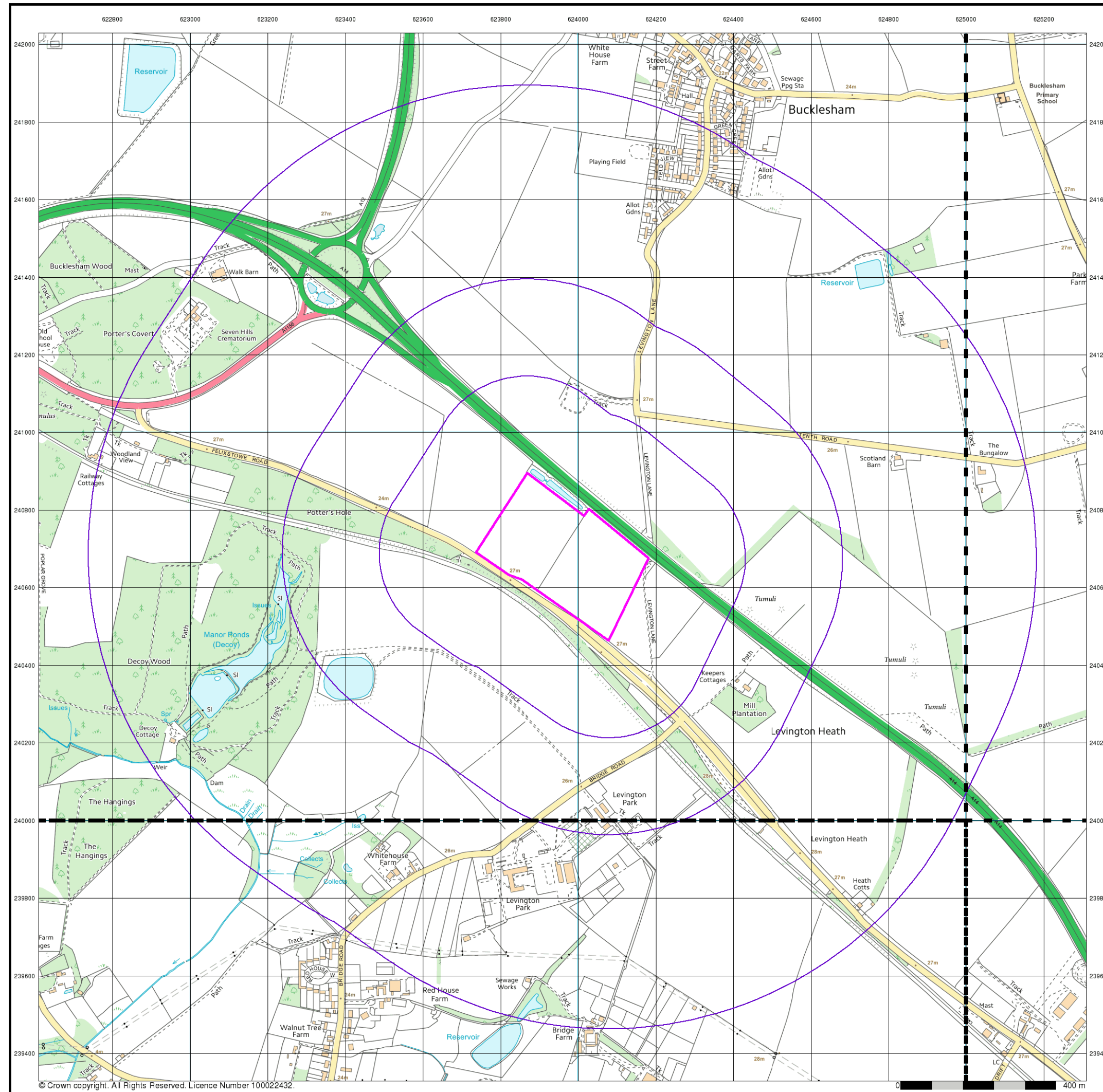
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

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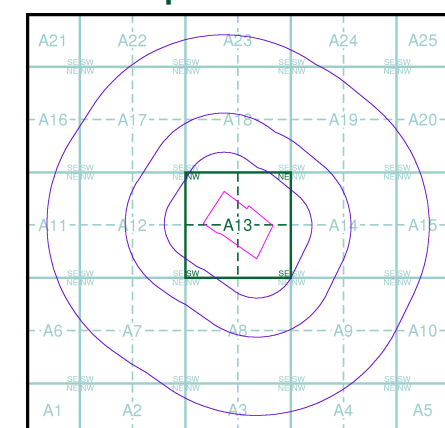
VectorMap Local
Published 2018
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TM24SW 2018 Variable	TM24SE 2018 Variable
TM23NW 2018 Variable	TM23NE 2018 Variable

Historical Map - Slice A



Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

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General

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

Agency and Hydrological

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

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

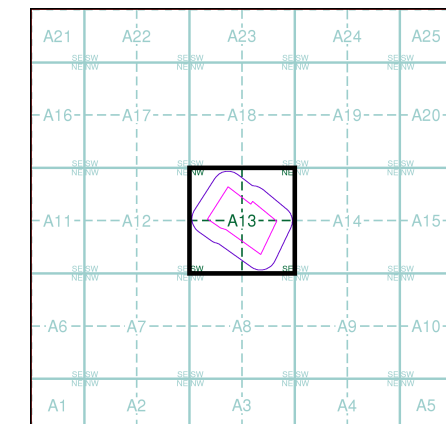
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

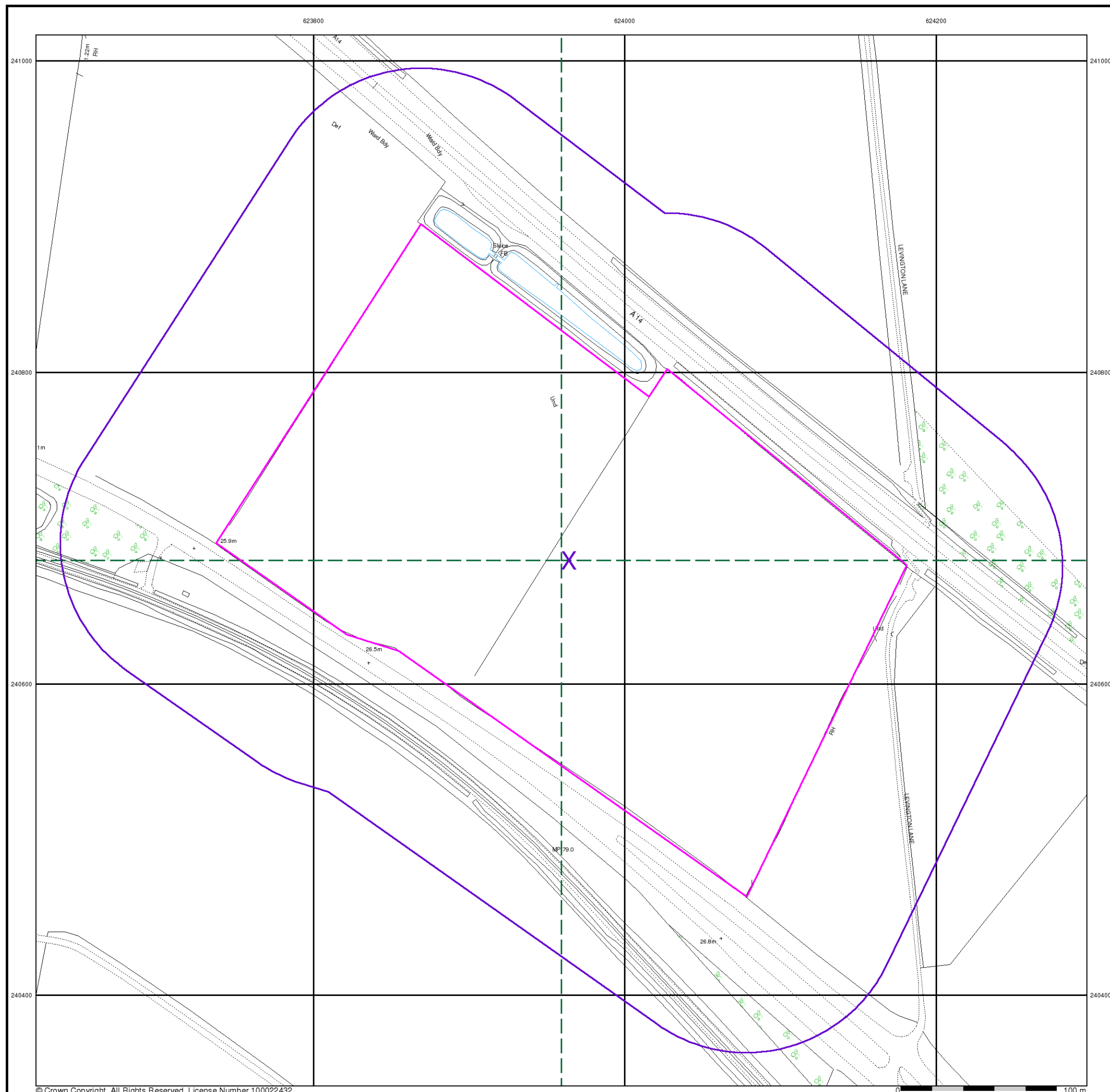


Order Details

Order Number: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Plot Buffer (m): 100

Site Details

Site at, Levington, Suffolk



General

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

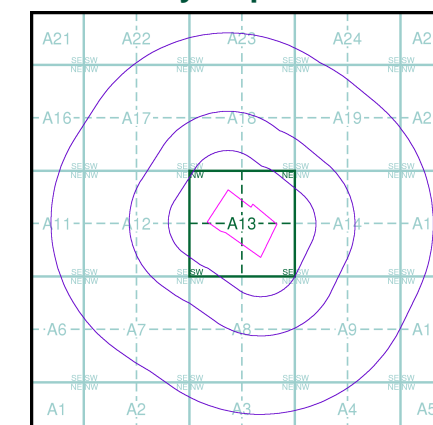
Agency and Hydrological

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

Waste

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

Site Sensitivity Map - Slice A

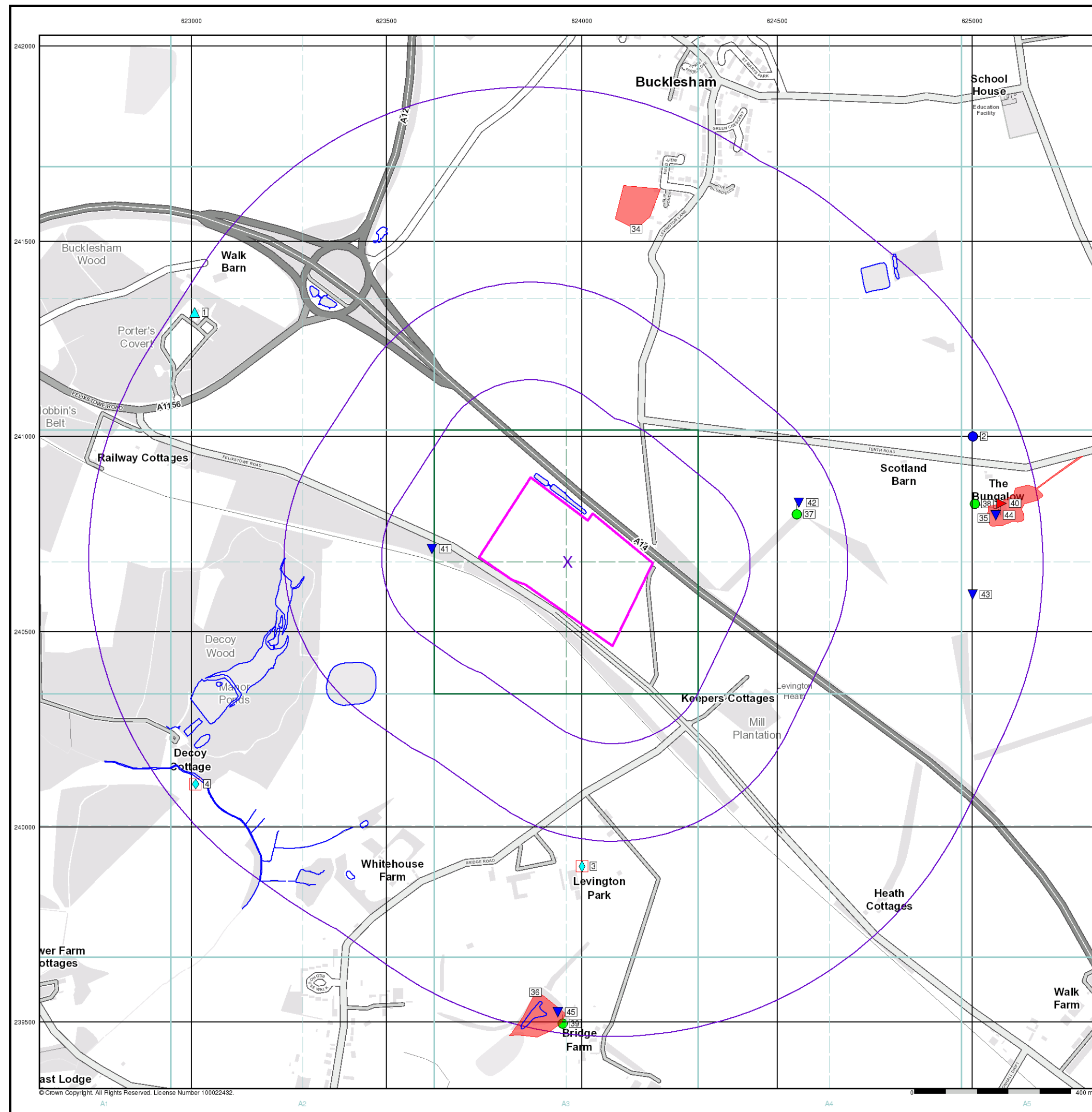


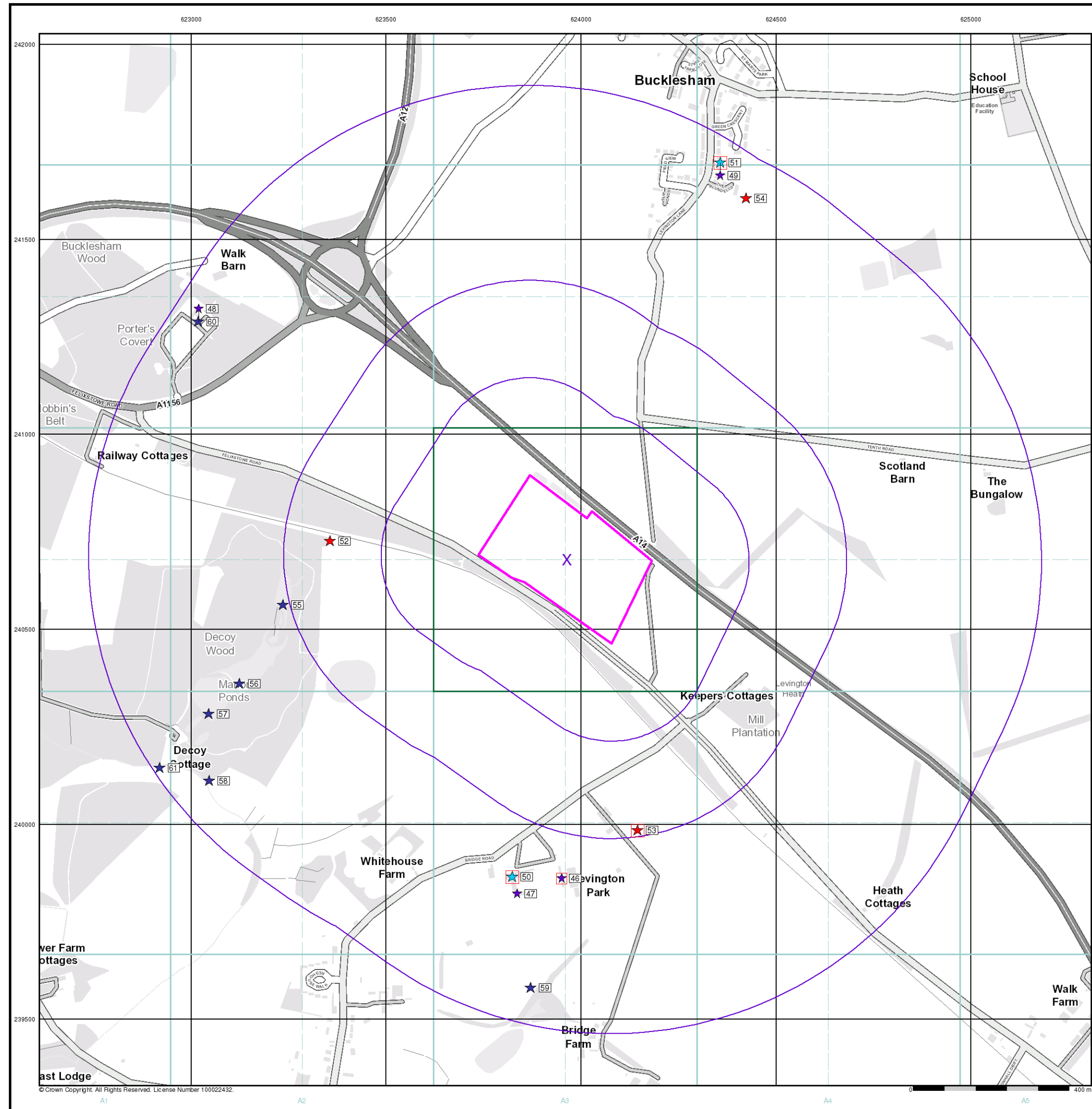
Order Details

Order Number: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk





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Industrial Land Use Map

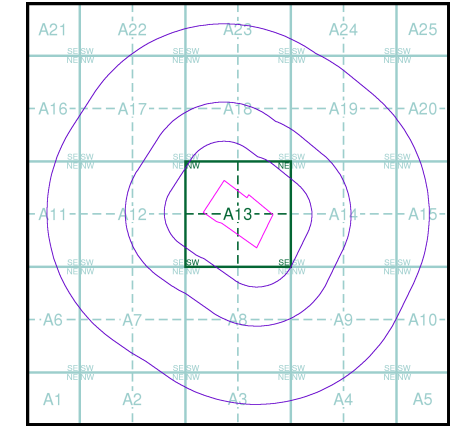
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



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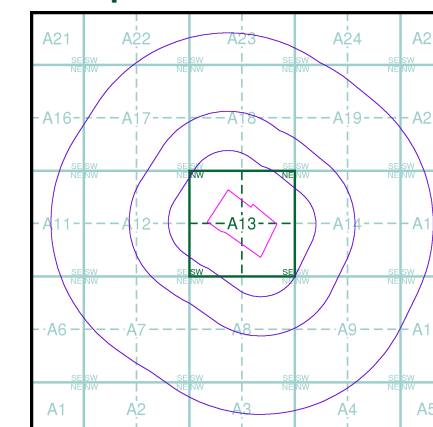
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

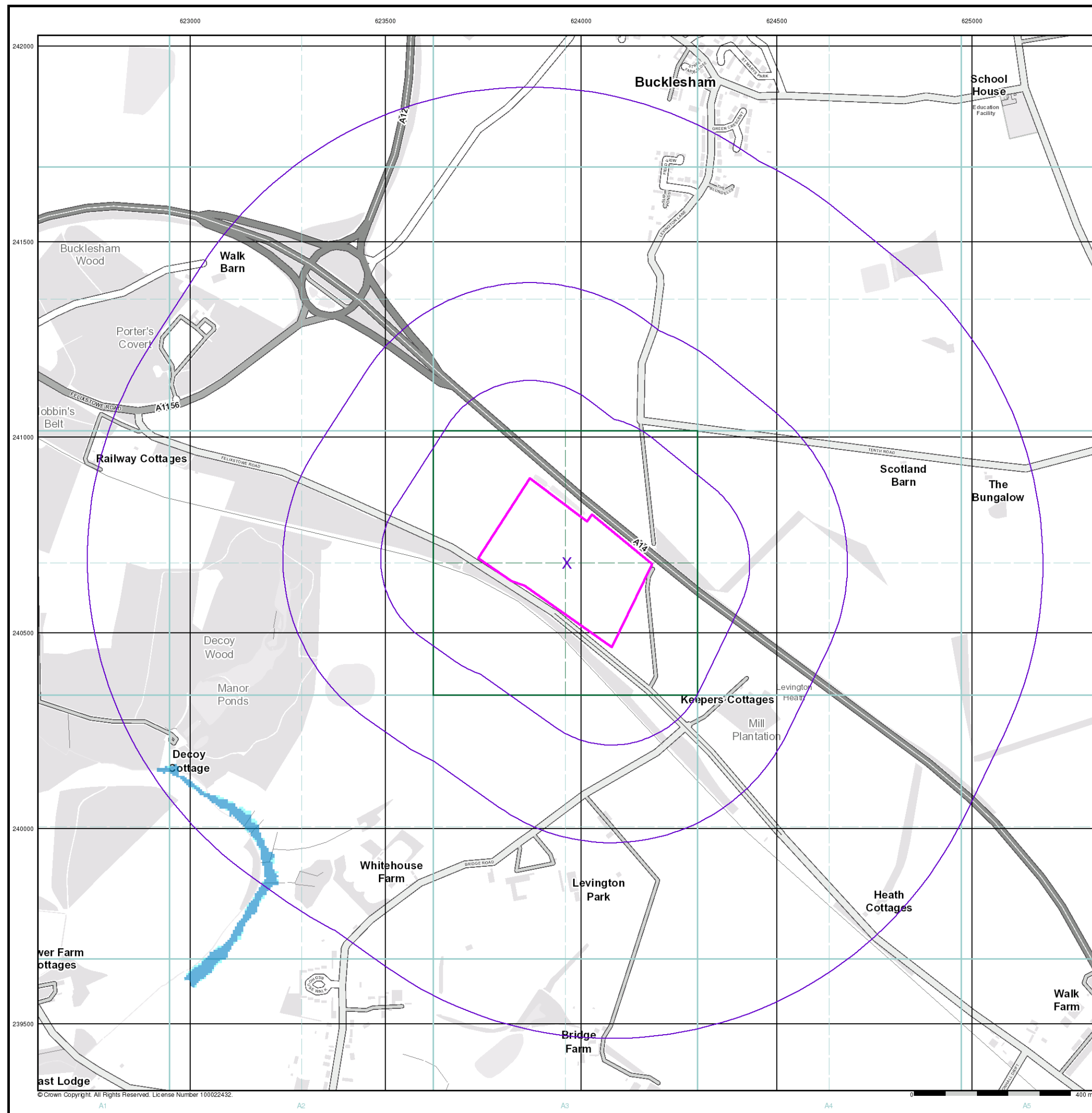


Order Details

Order Number: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



General

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

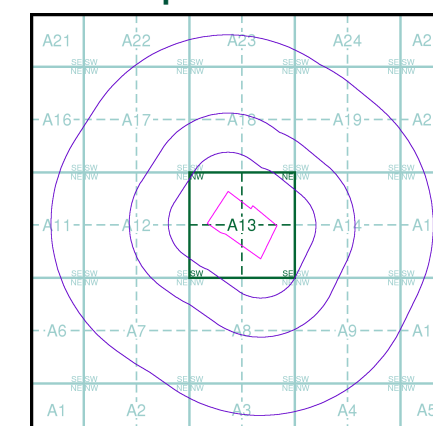
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

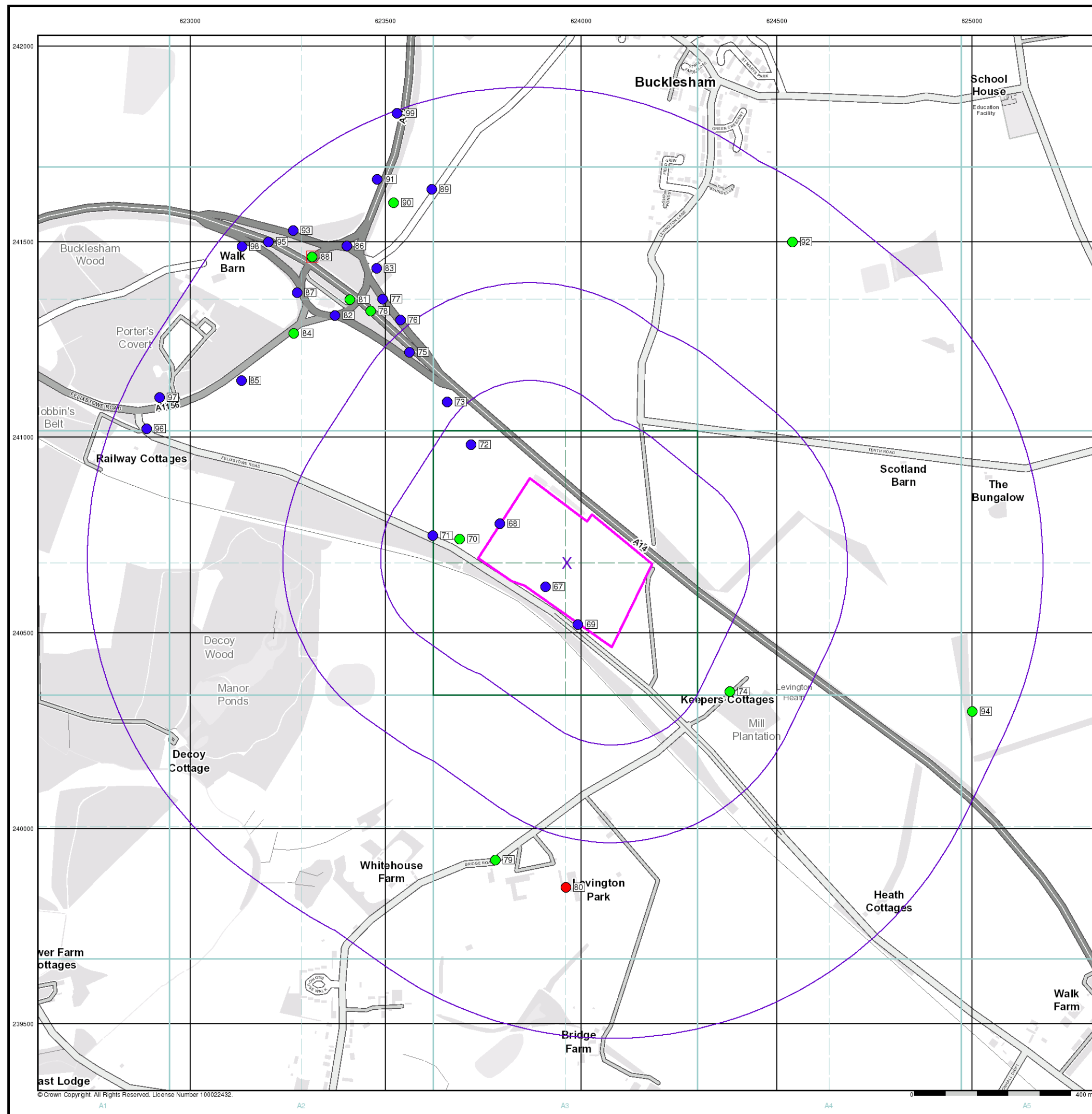


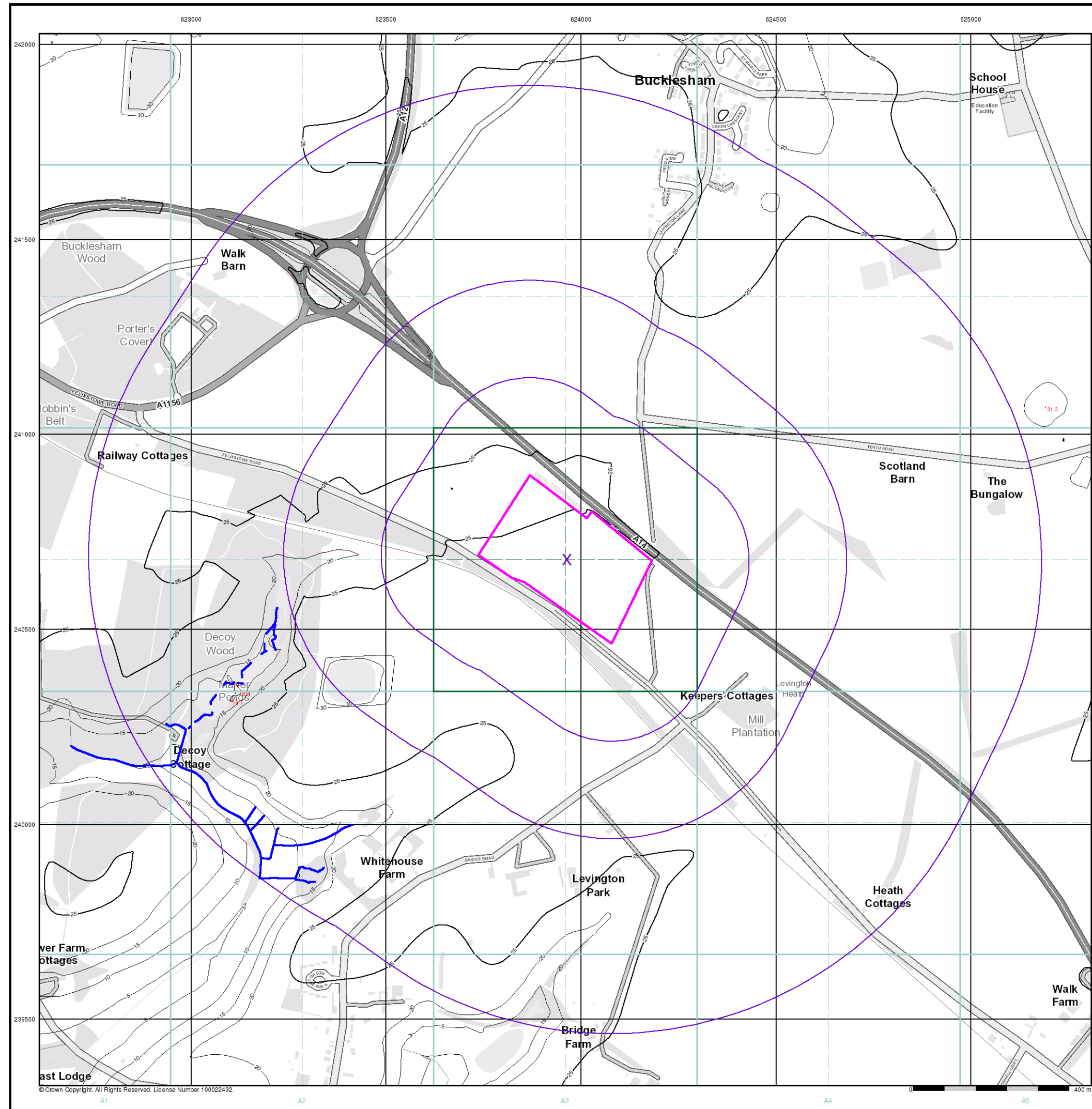
Order Details

Order Number: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



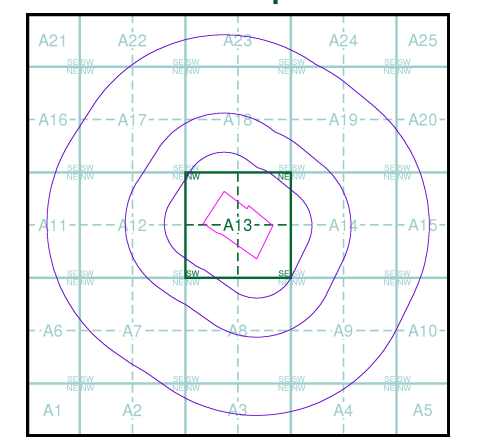


- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point

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

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

OS Water Network Map - Slice A



Order Details

Order Number: 176556491_1_1

Customer Ref: 5166065/015

National Grid Reference: 623960, 240680

Slice: A

Site Area (Ha): 9.43

Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

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General

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

Risk of Flooding from Surface Water

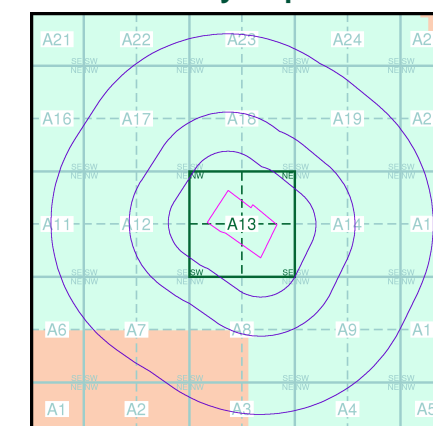
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EANRW Suitability Map - Slice A

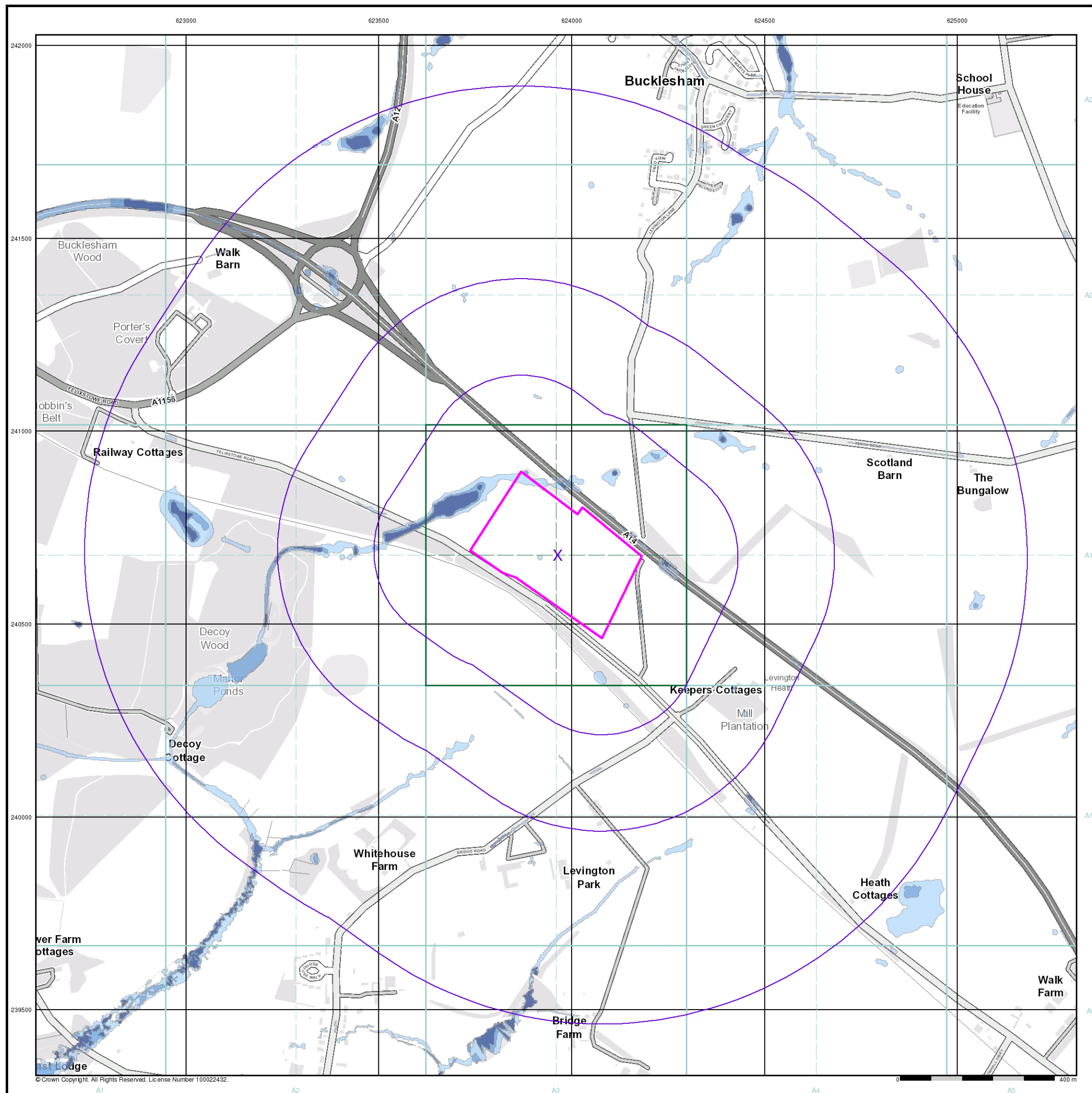


Order Details

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 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk





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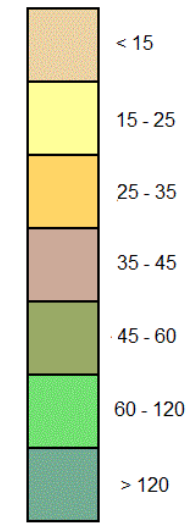


General

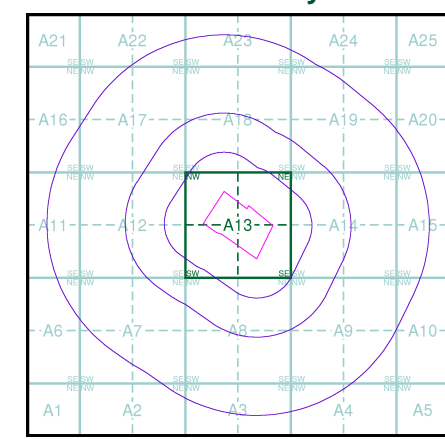
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 176556491_1_1
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Site Details

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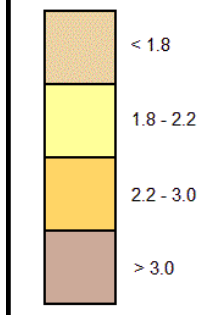
ATKINS

General

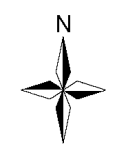
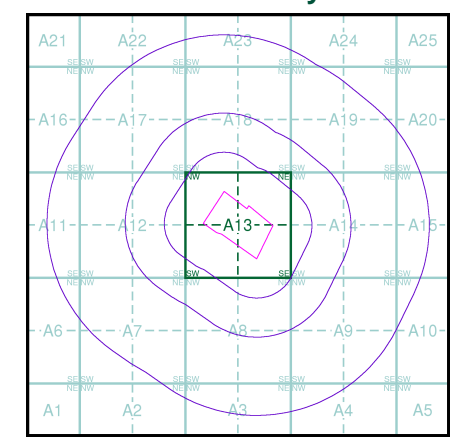
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 176556491_1_1
Customer Ref: 5166065/015
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Slice: A
Site Area (Ha): 9.43
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Site Details

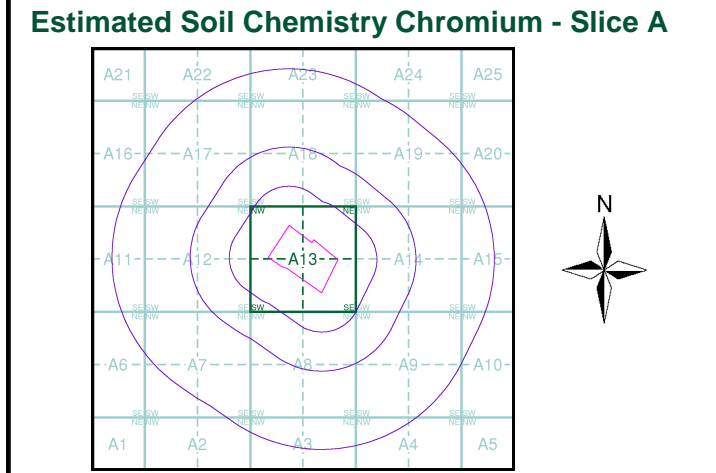
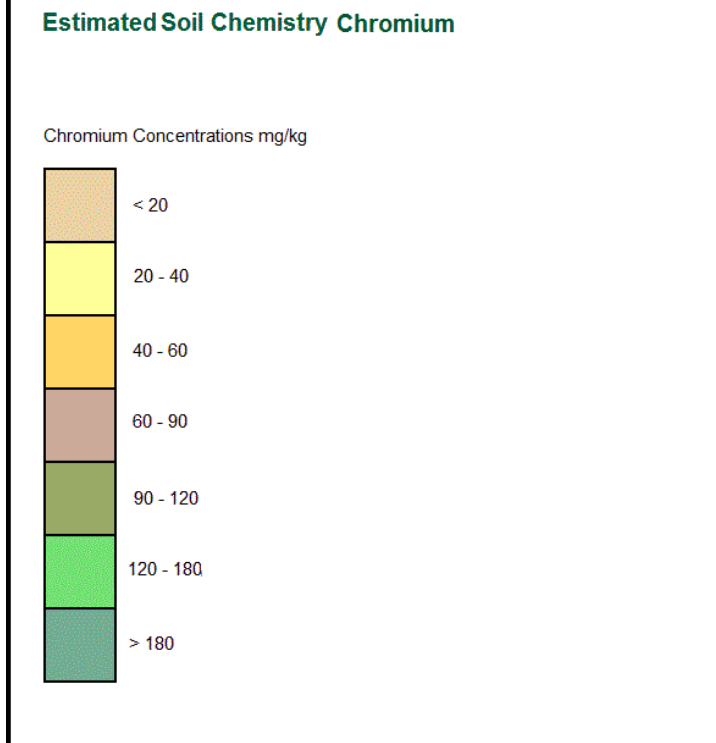
Site at, Levington, Suffolk

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



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

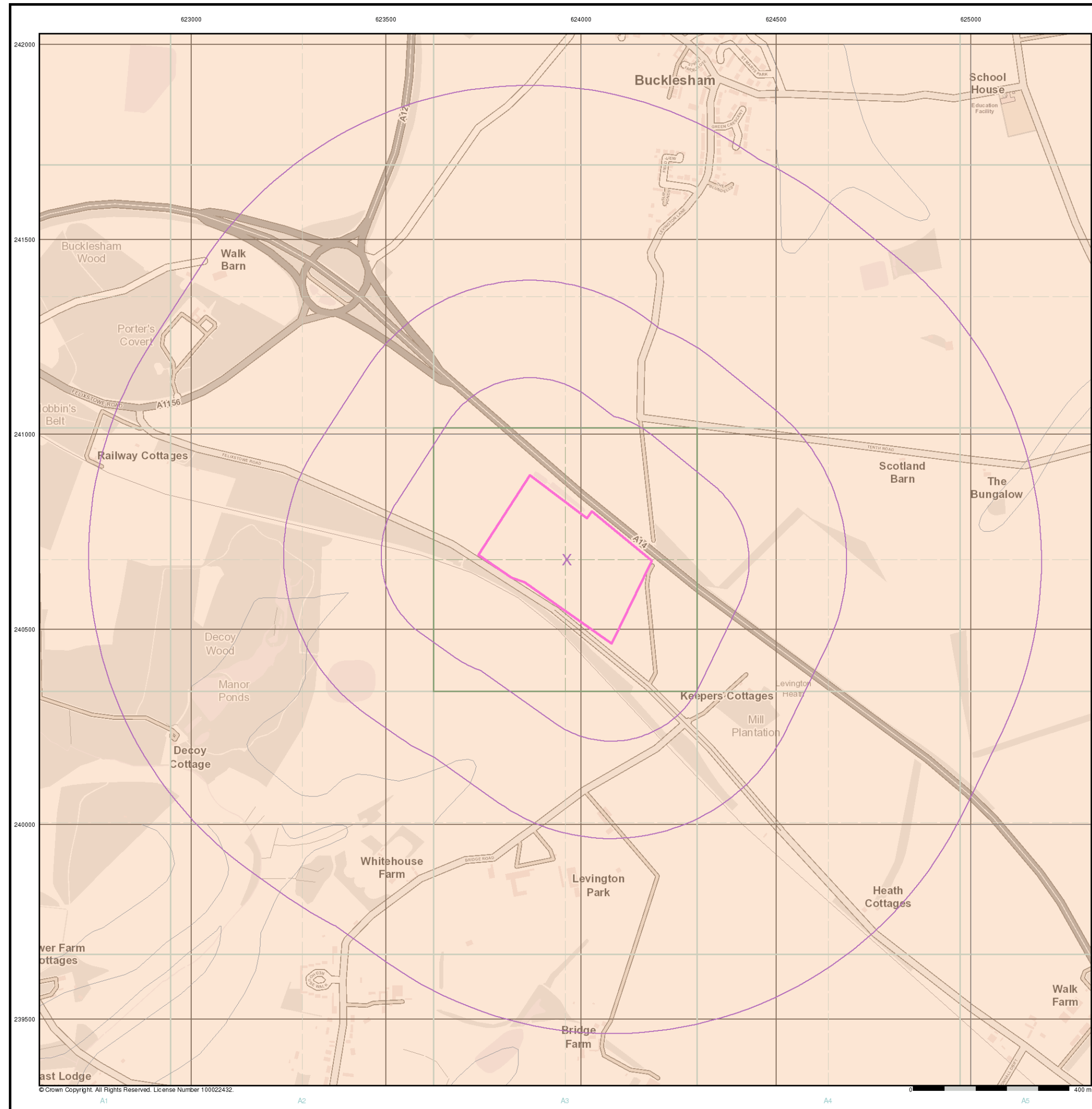


Order Details

Order Details: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

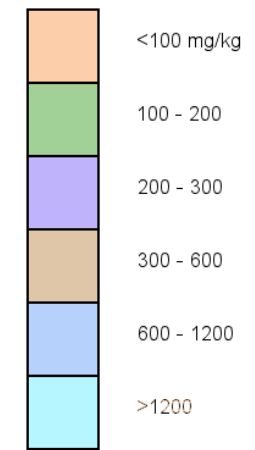


General

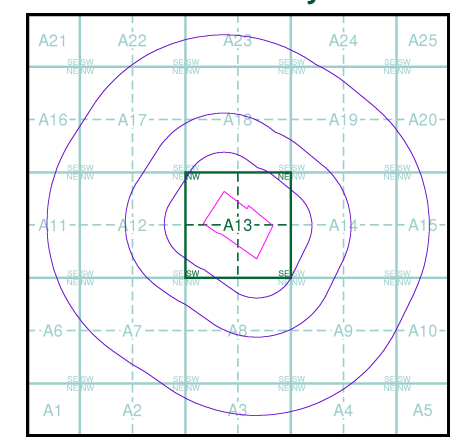
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



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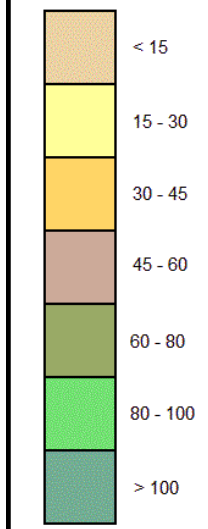


General

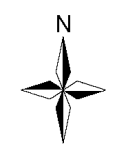
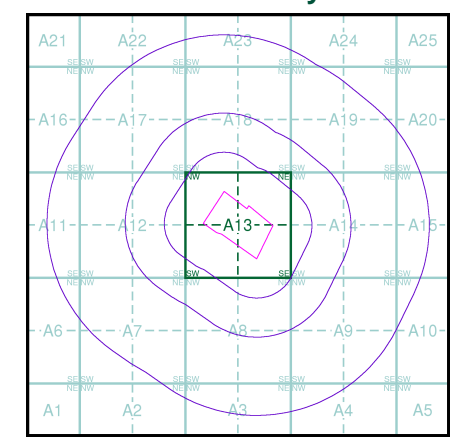
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 1000

Site Details

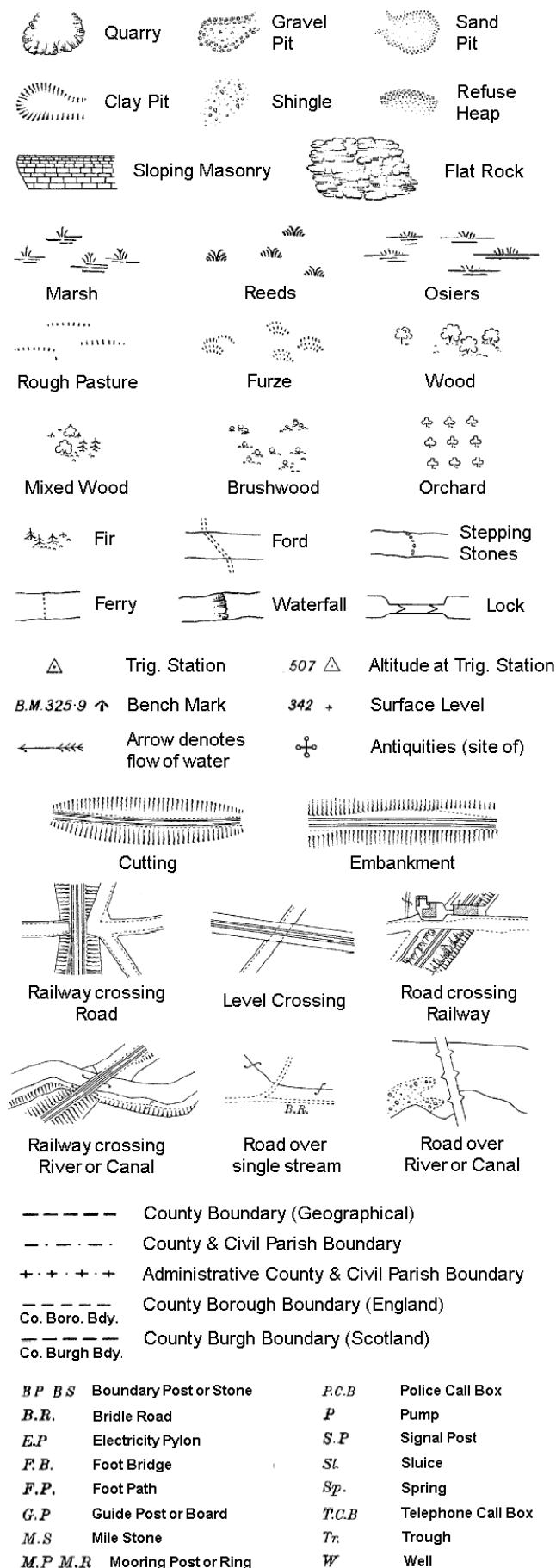
Site at, Levington, Suffolk



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Historical Mapping Legends

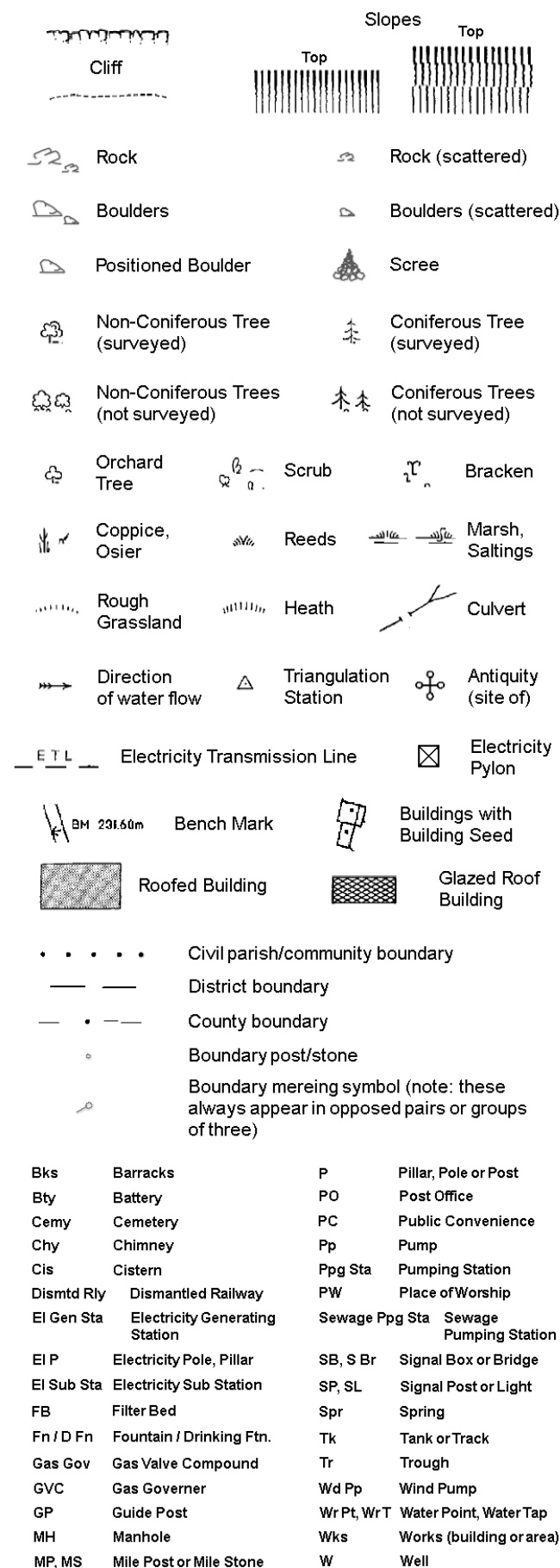
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

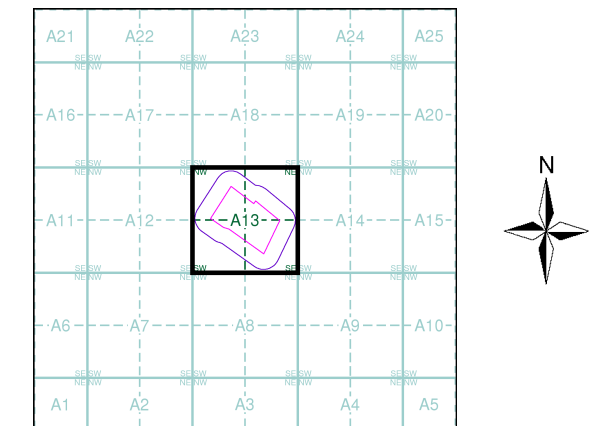


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:2,500	1881	2
Suffolk	1:2,500	1904	3
Suffolk	1:2,500	1926	4
Ordnance Survey Plan	1:2,500	1966 - 1968	5
Ordnance Survey Plan	1:2,500	1984 - 1986	6
Additional SIMs	1:2,500	1984 - 1985	7
Additional SIMs	1:2,500	1990	8
Large-Scale National Grid Data	1:2,500	1994	9
Historical Aerial Photography	1:2,500	1999	10

Historical Map - Segment A13



Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk

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Suffolk

Published 1881

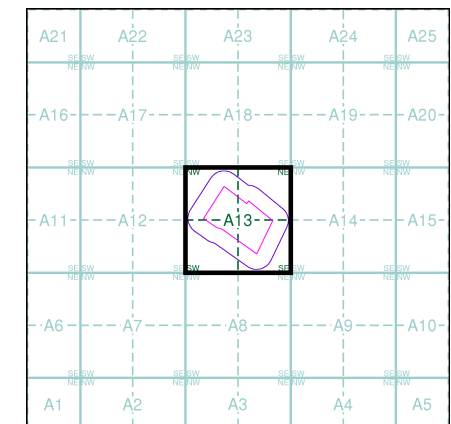
Source map scale - 1:2,500

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)

083_02
1881
1:2,500
083_06
1881
1:2,500

Historical Map - Segment A13



Order Details

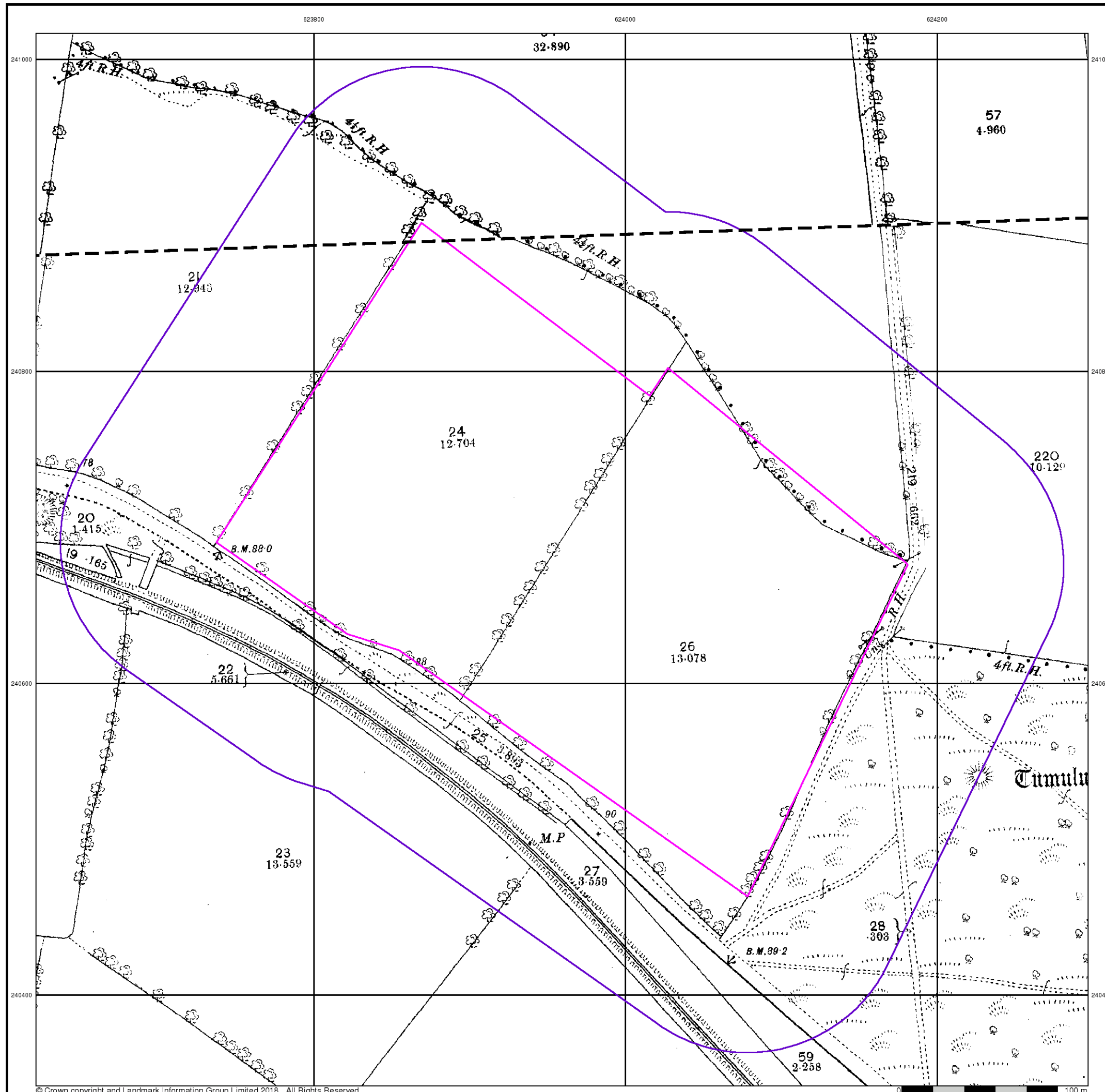
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 100

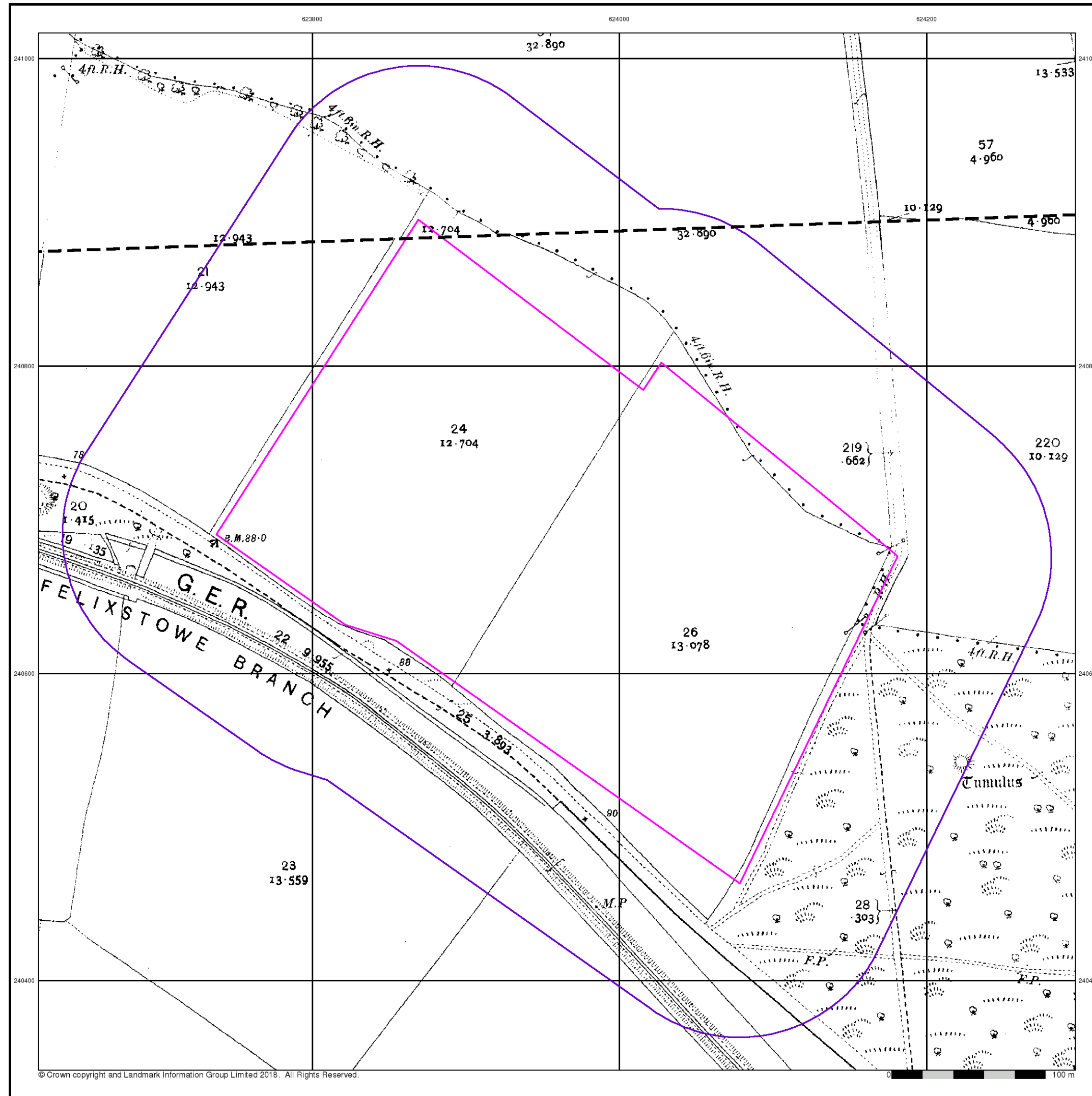
Site Details

Site at, Levington, Suffolk

Landmark
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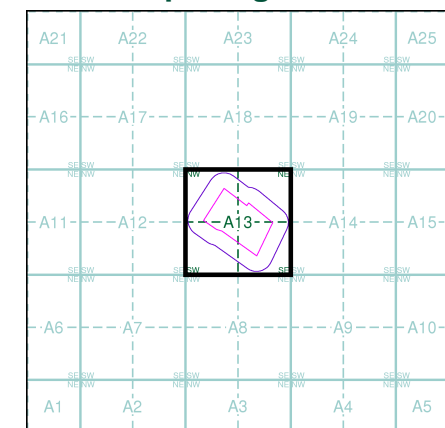
Suffolk
Published 1904
Source map scale - 1:2,500

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)

083_02
1904
1:2,500
083_06
1904
1:2,500

Historical Map - Segment A13



Order Details
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 100

Site Details
Site at, Levington, Suffolk

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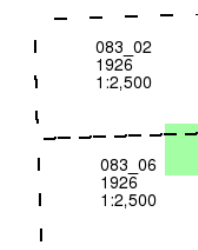
Suffolk

Published 1926

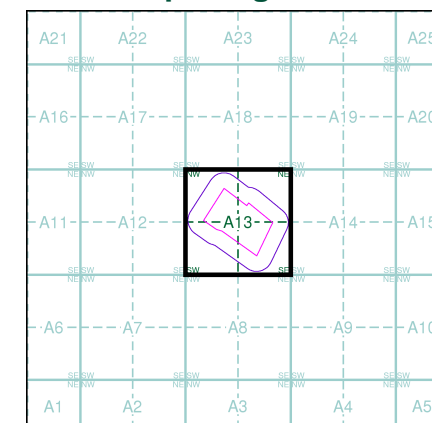
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

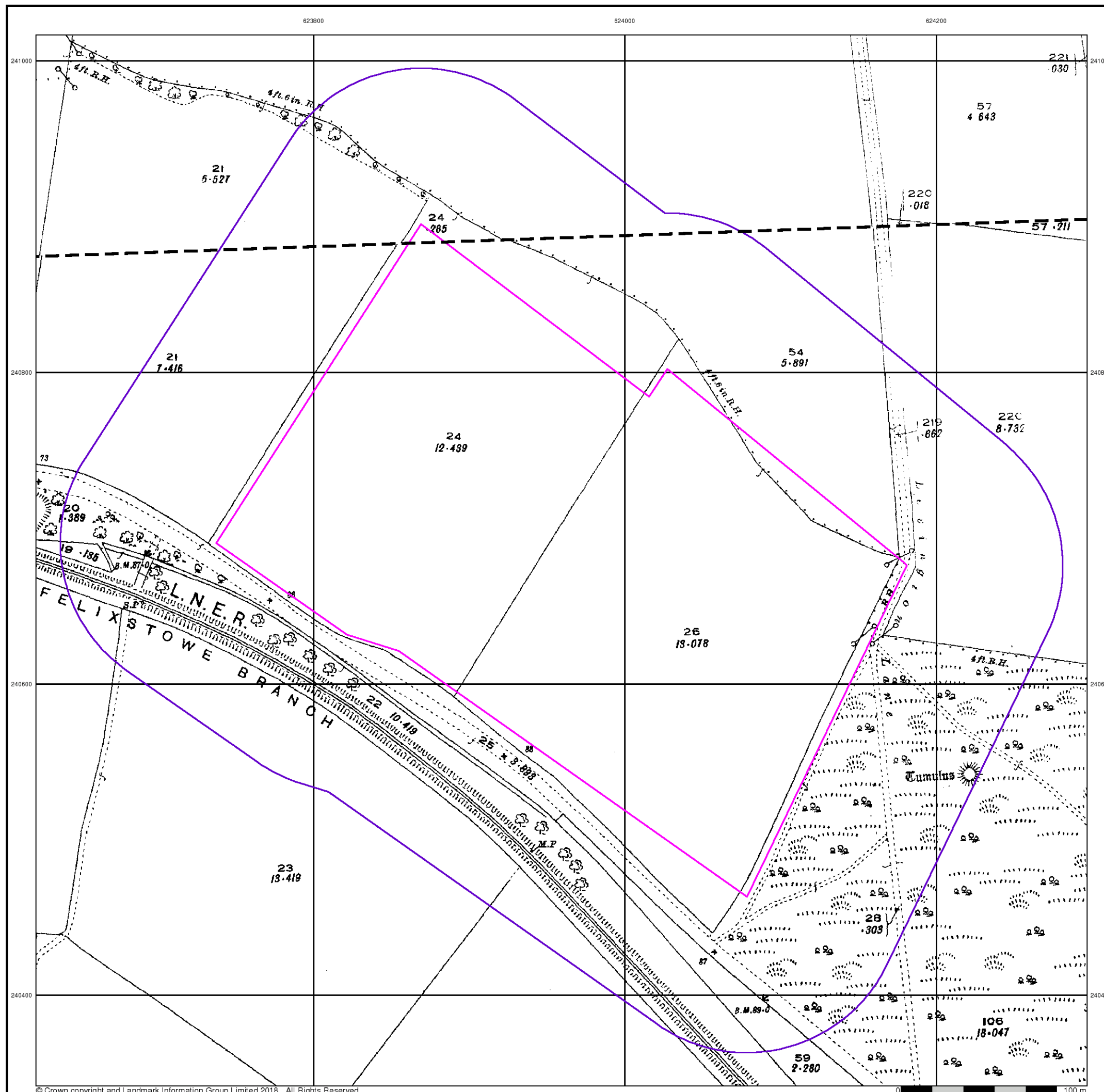
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 100

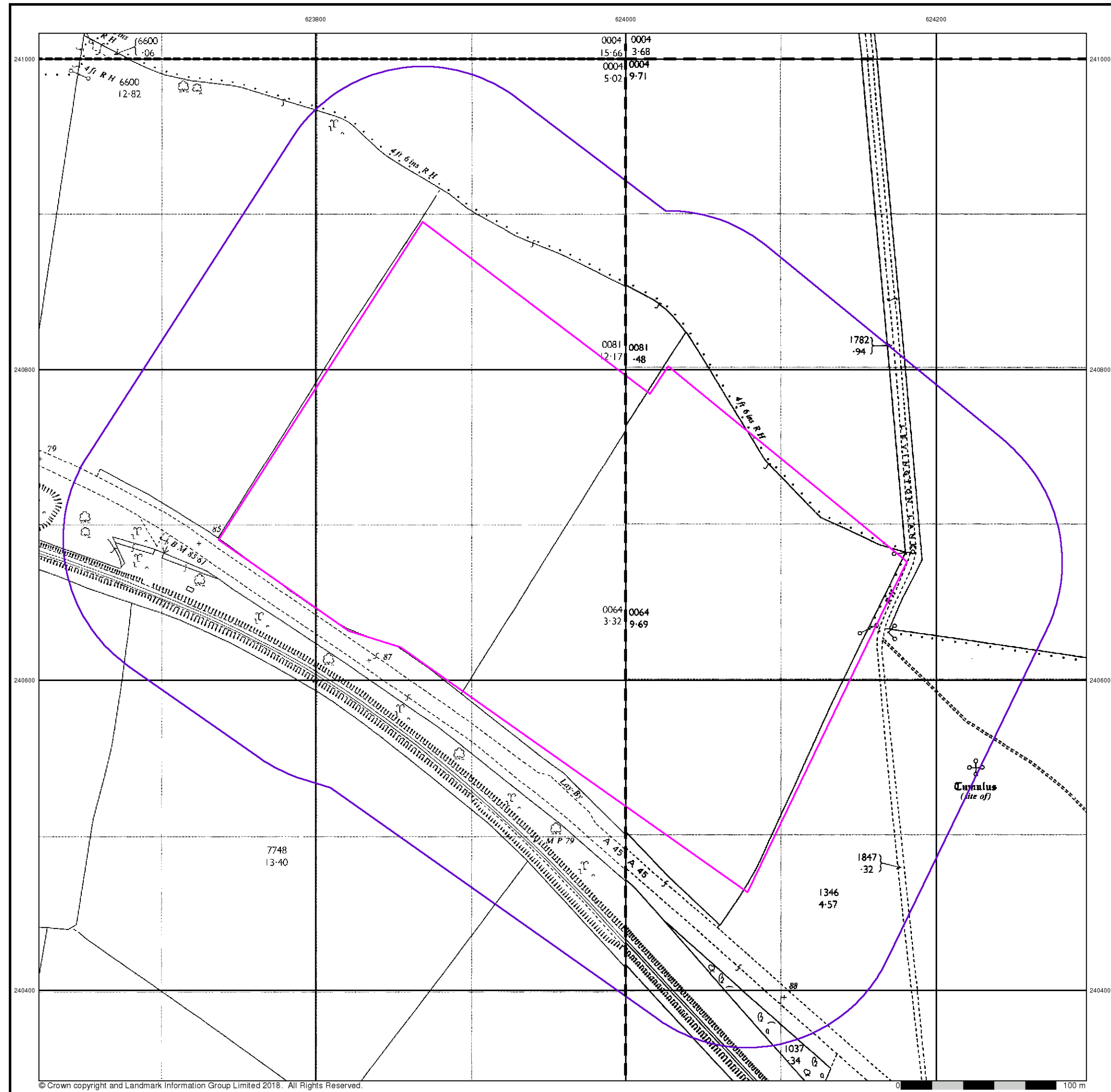
Site Details

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Ordnance Survey Plan

Published 1966 - 1968

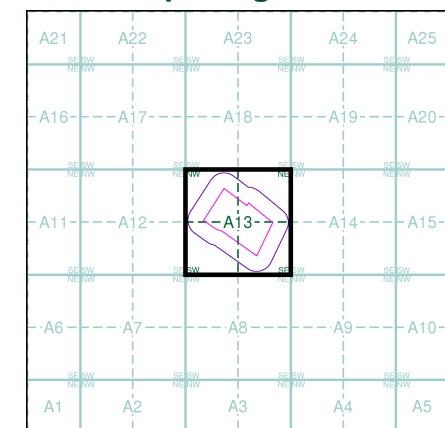
Source map scale - 1:2,500

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)

TM2341 1967 12,500	TM2441 1966 12,500
TM2340 1968 12,500	TM2440 1966 12,500

Historical Map - Segment A13



Order Details

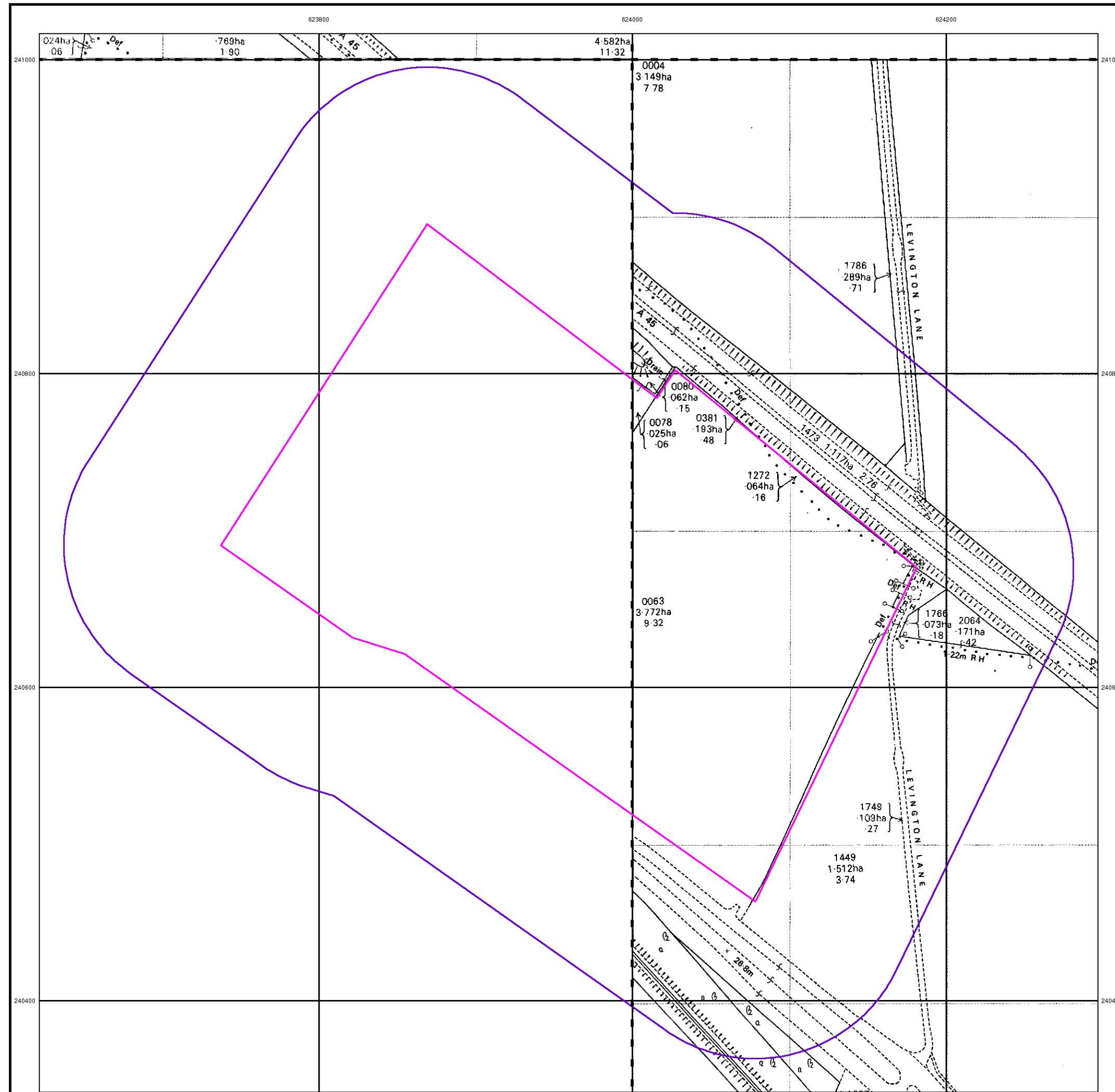
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk



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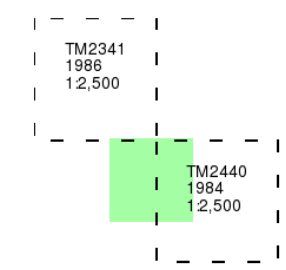
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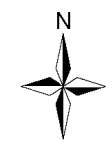
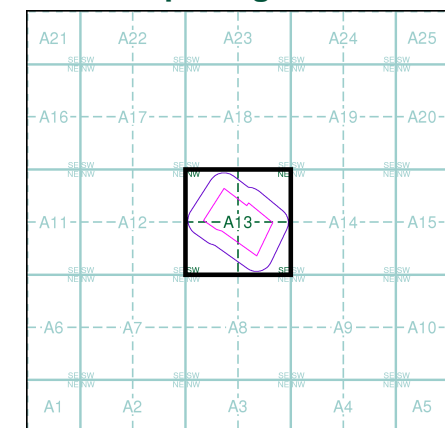
Ordnance Survey Plan
Published 1984 - 1986
Source map scale - 1:2,500

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 A13



Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk



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Additional SIMs

Published 1984 - 1985

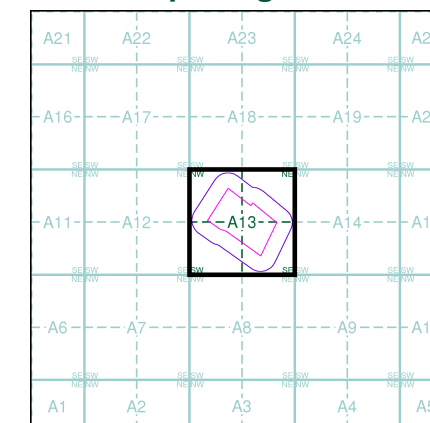
Source map scale - 1:2,500

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)

	TM2441	
	1985	
	12,500	
TM2340		TM2440
1984		1984
12,500		12,500

Historical Map - Segment A13

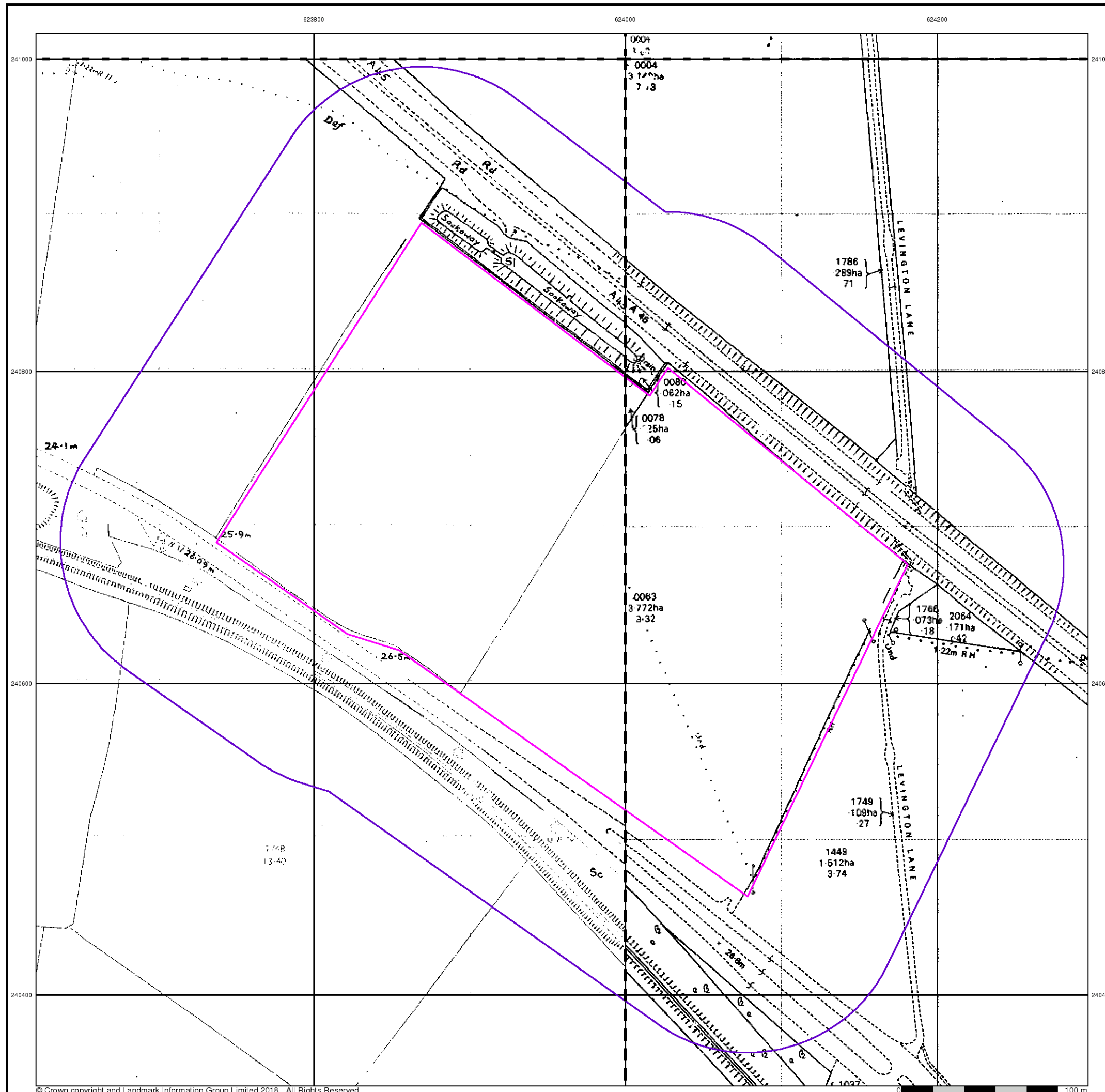


Order Details

Order Number: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk



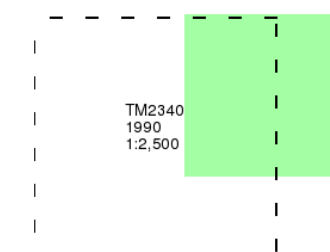
Additional SIMs

Published 1990

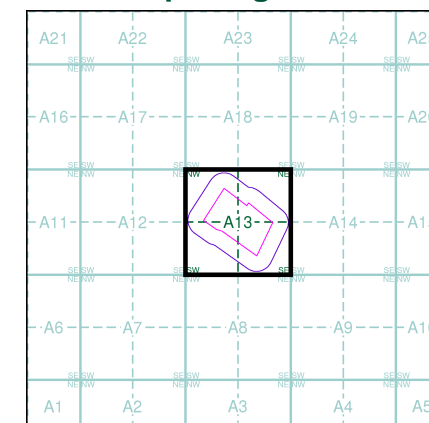
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

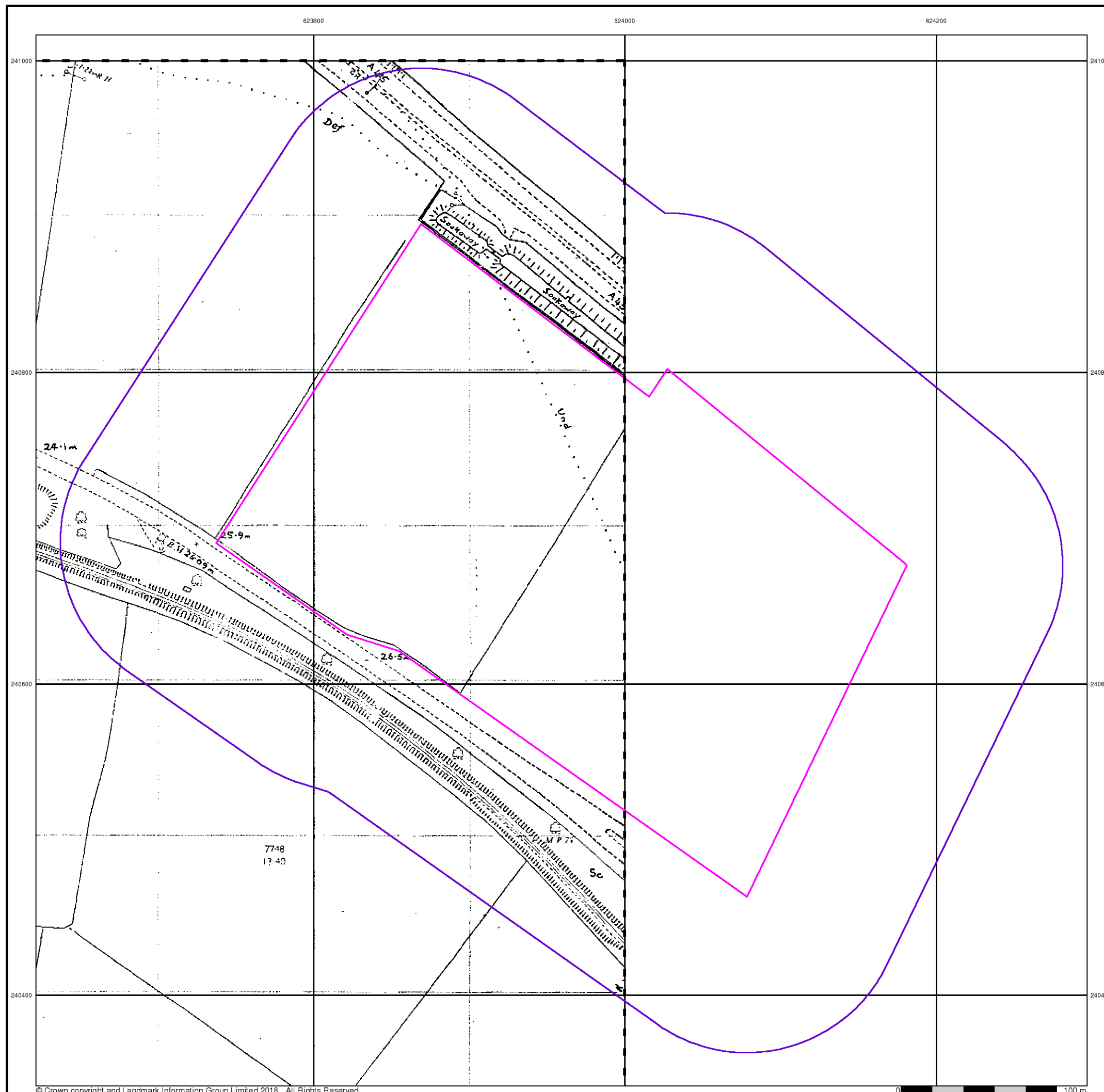


Order Details

Order Number: 176556491_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 623960, 240680
 Slice: A
 Site Area (Ha): 9.43
 Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk





Large-Scale National Grid Data

Published 1994

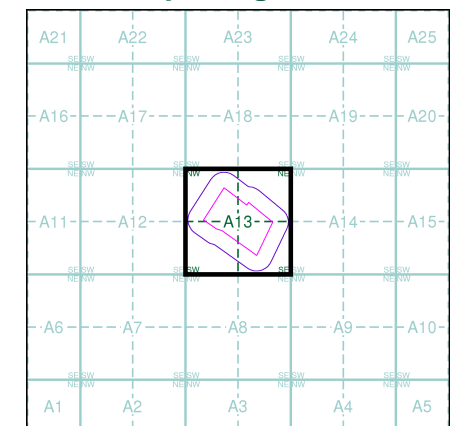
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

	TM2441	
	1994	
	1:2,500	
TM2340	TM2440	
1994	1994	
1:2,500	1:2,500	

Historical Map - Segment A13



Order Details

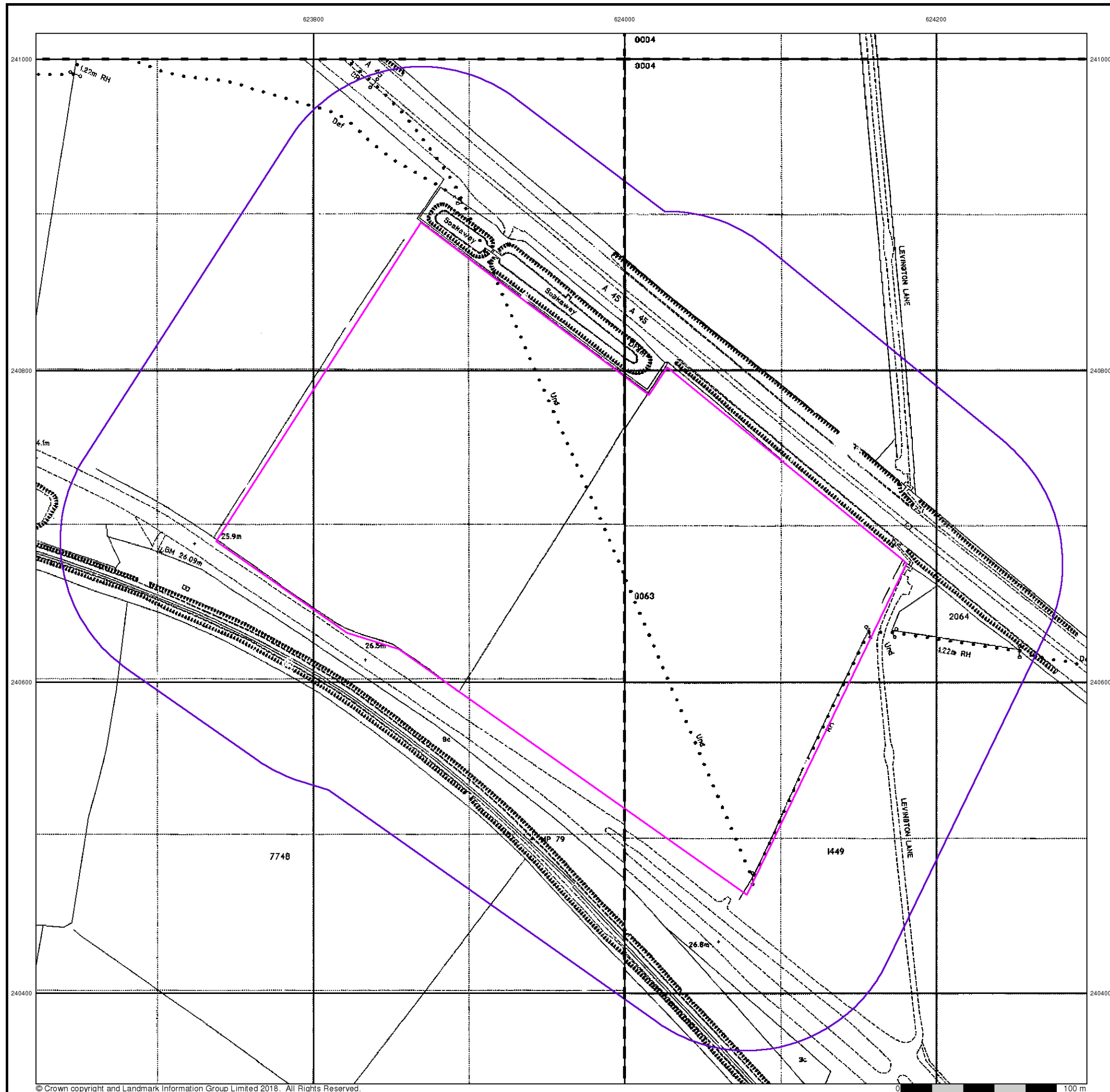
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 100

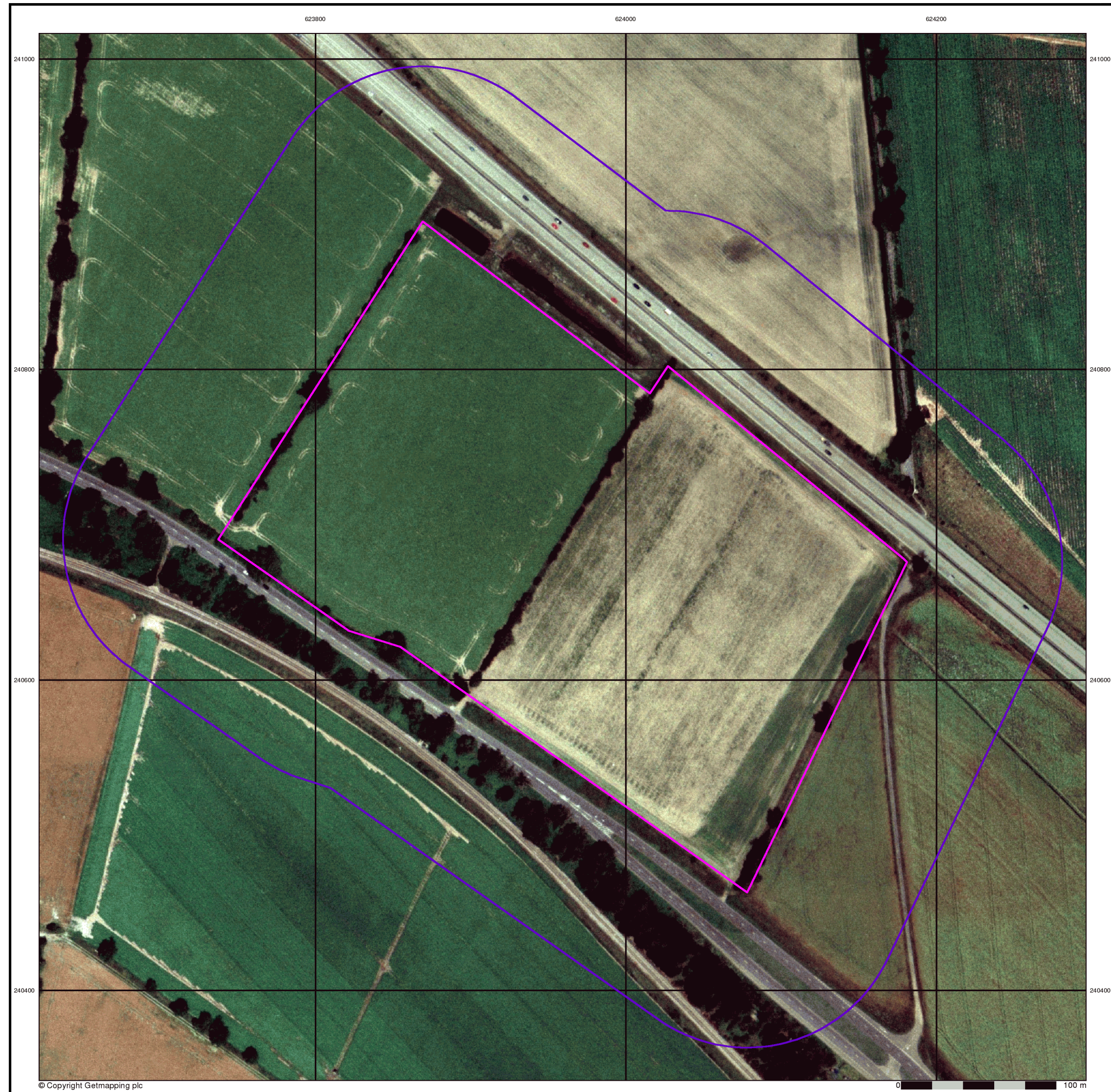
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0 100 m

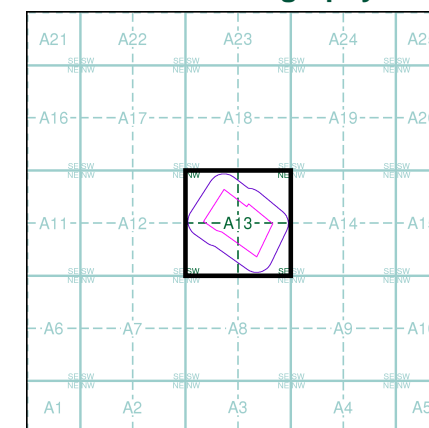
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Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

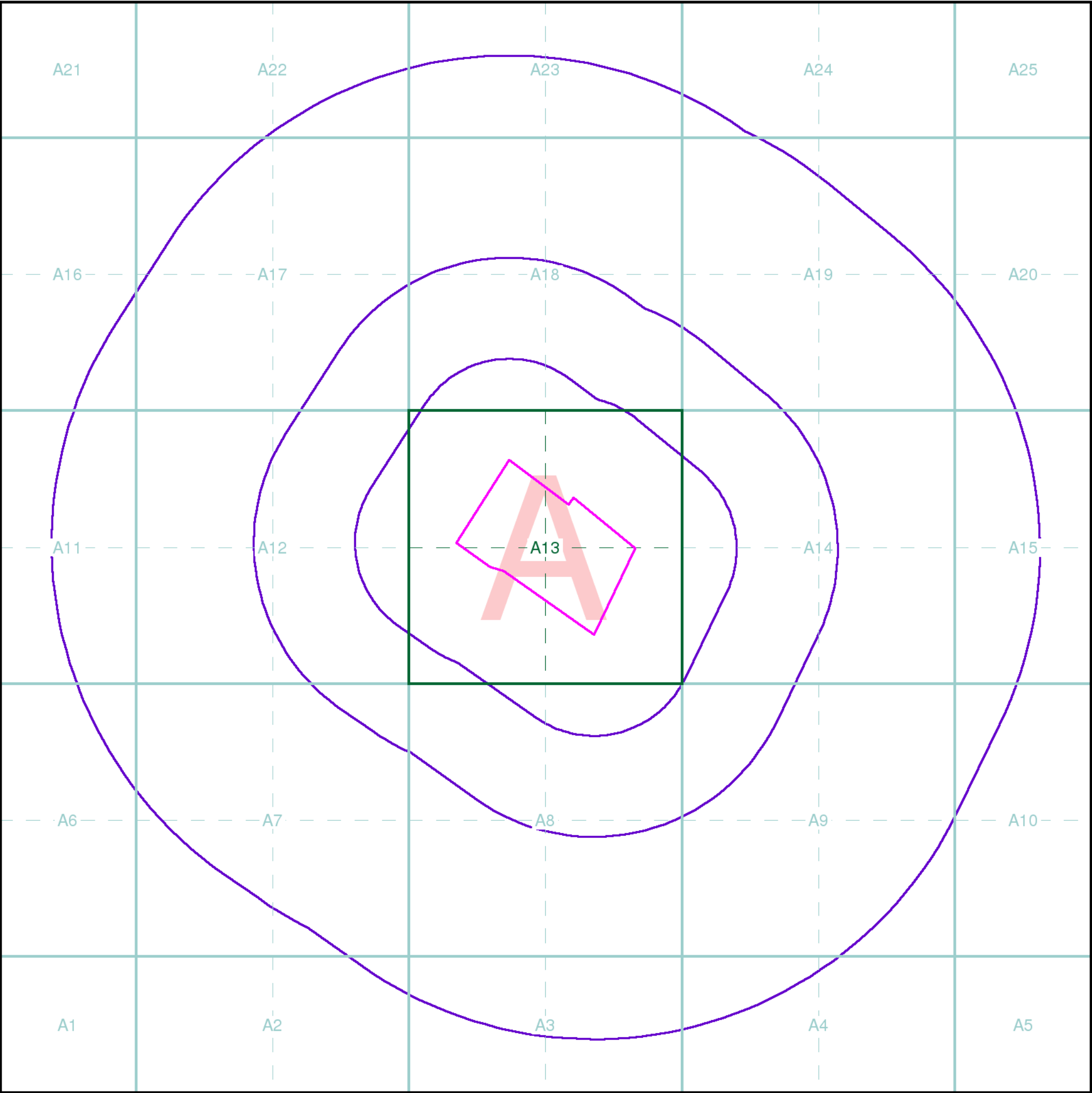
Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623960, 240680
Slice: A
Site Area (Ha): 9.43
Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk

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Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mrs C Ellis, Atkins Ltd, The Axis, 10 Holliday Street, Birmingham, B1 1TF

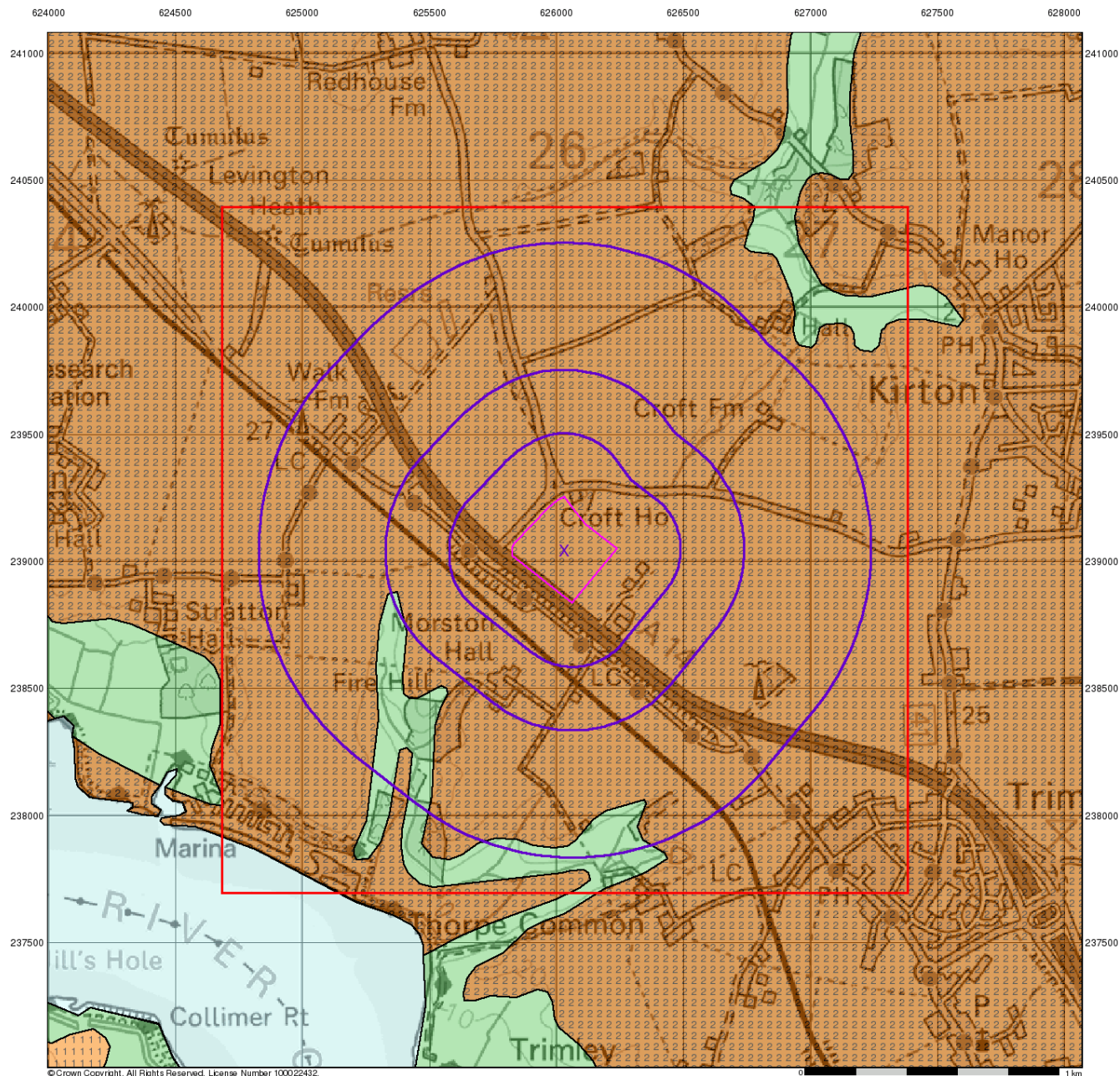
Order Details

Order Number: 176556491_1_1
Customer Ref: 5166065/015
National Grid Reference: 623970, 240680
Site Area (Ha): 9.43
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

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<http://www.landmarkinfo.co.uk/Terms/Show/515>



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0 1 km

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Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)

Minor Aquifer (Variably Permeable)

Non Aquifer (Negligibly Permeable)

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

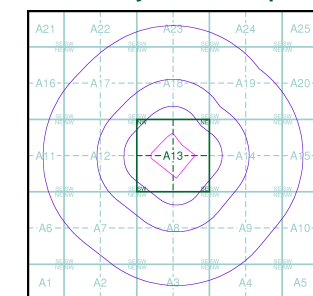
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

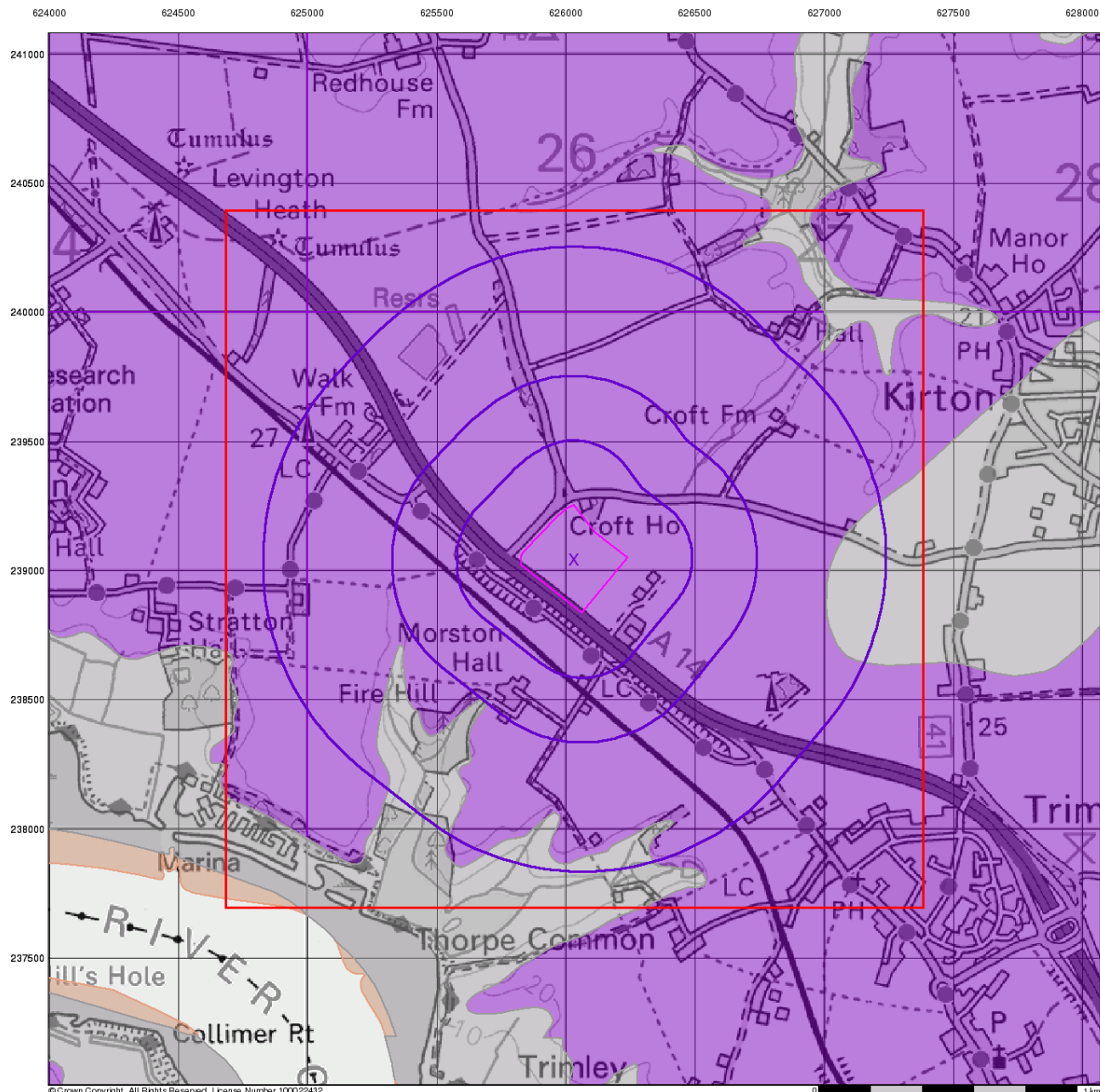
Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

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Bedrock Aquifer Designation

General

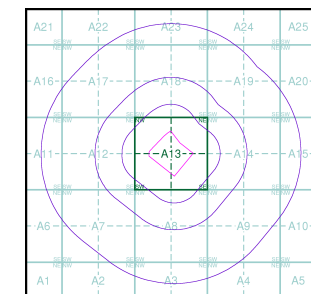
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

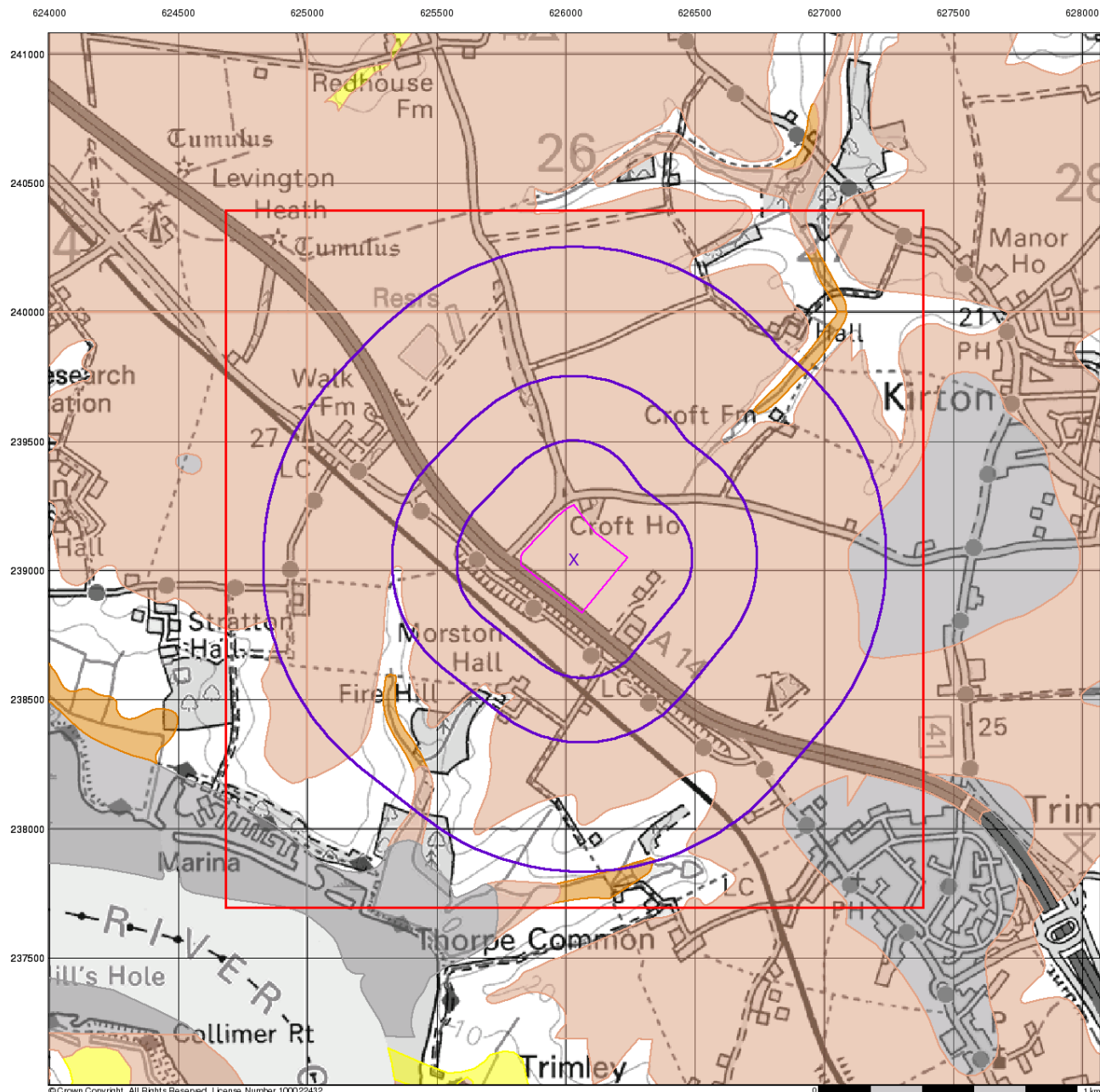
Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

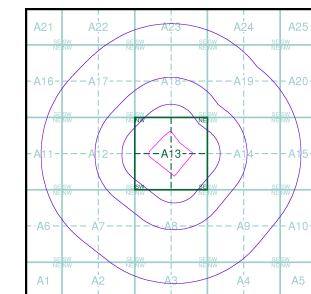
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

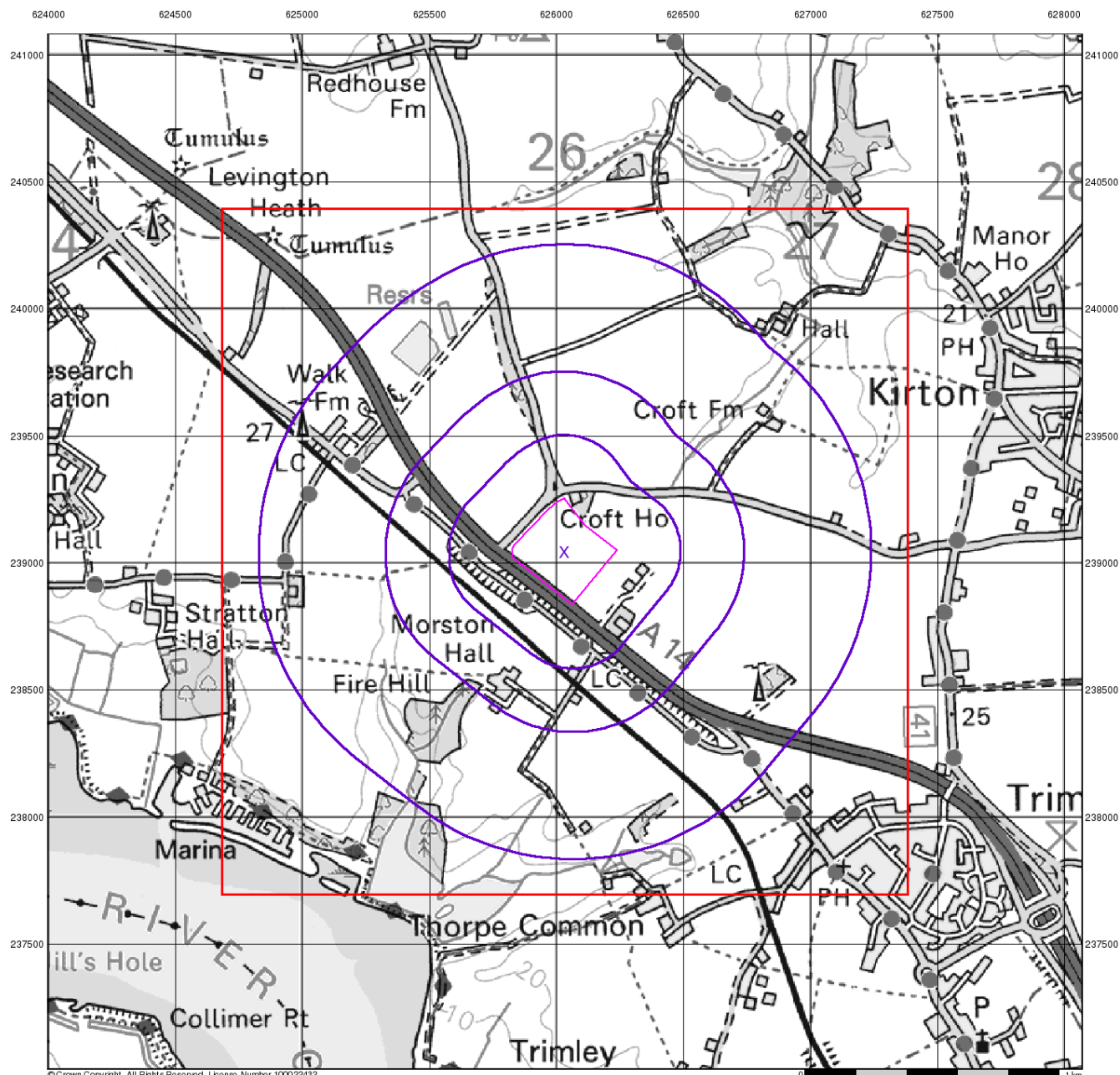
Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

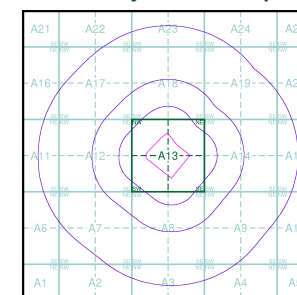
General

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

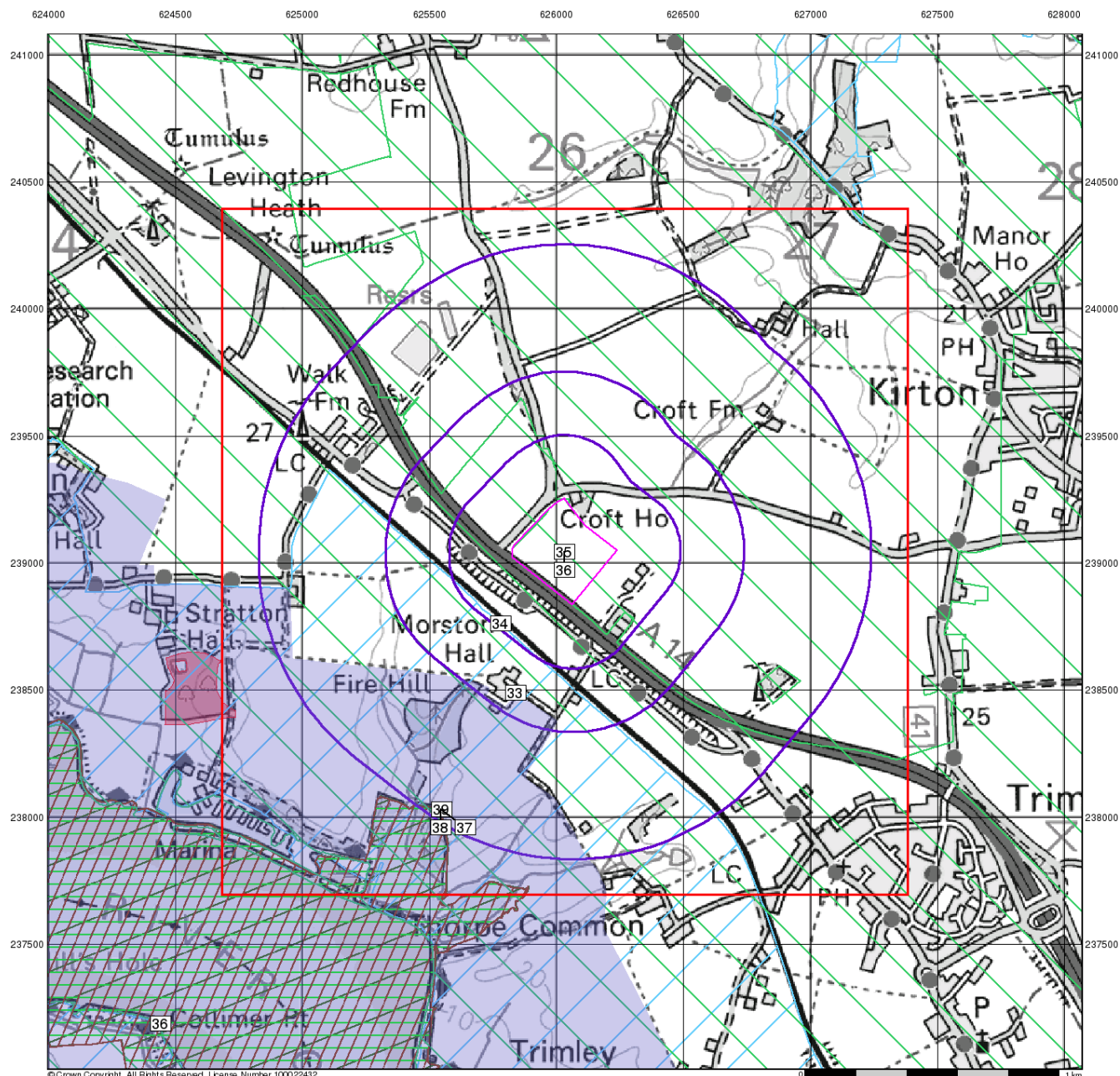
Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

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Sensitive Land Uses

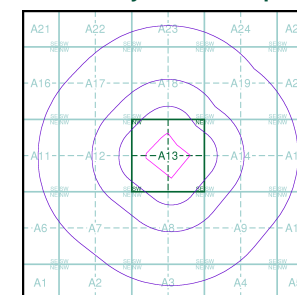
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

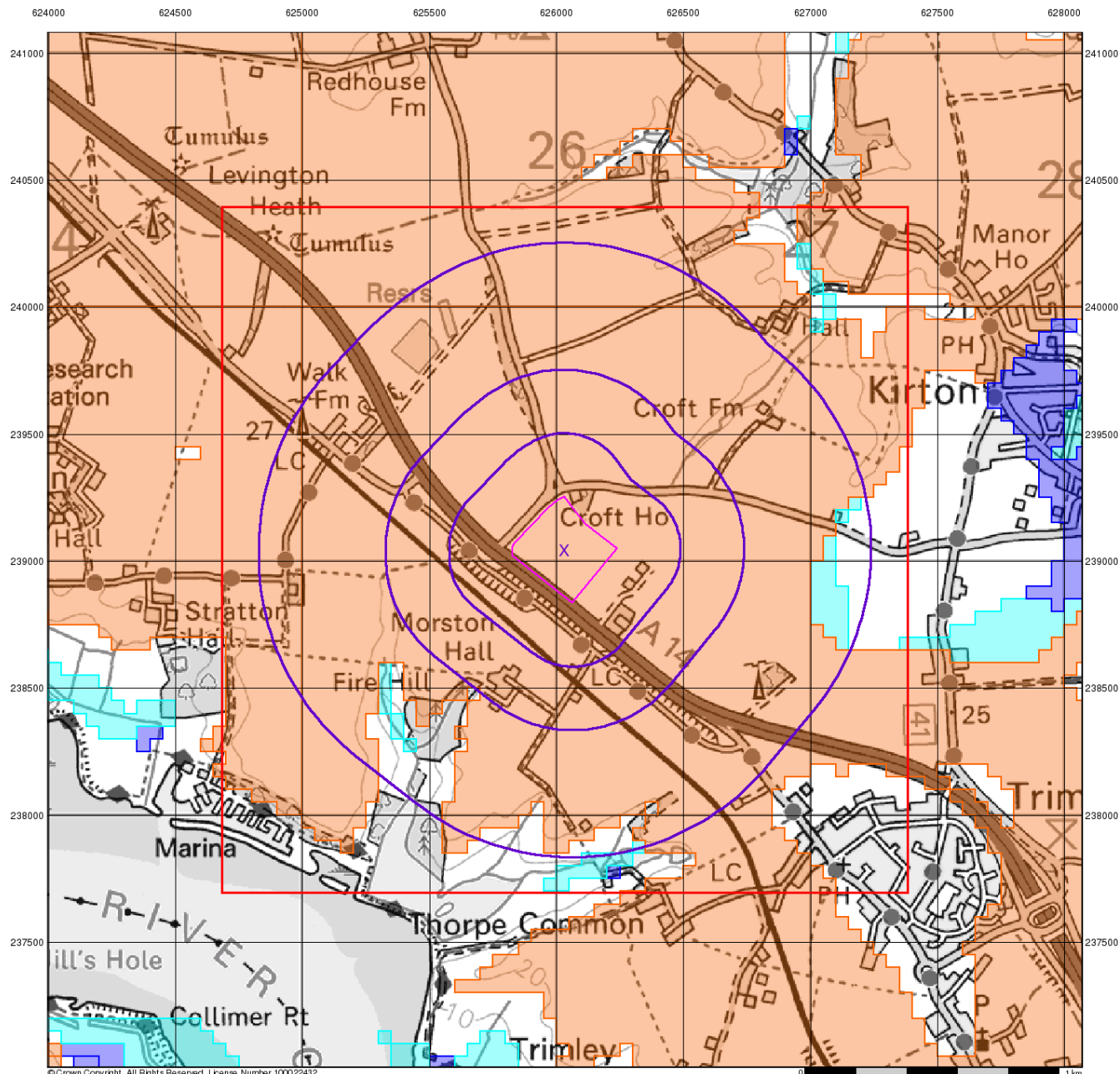
Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

Landmark
 INFORMATION GROUP

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



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ATKINS

BGS Flood GFS Data

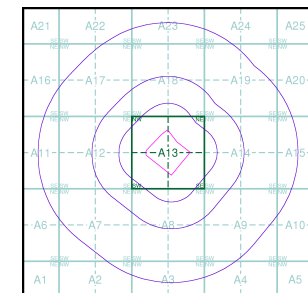
General

- ◆ Specified Site
- Specified Buffer(s)
- X 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: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

Landmark
 INFORMATION GROUP

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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

176558568_1_1

Customer Reference:

5166065/015

National Grid Reference:

626030, 239040

Slice:

A

Site Area (Ha):

8.95

Search Buffer (m):

1000

Site Details:

Site at
Levington
Suffolk

Client Details:

Mrs C Ellis
Atkins Ltd
The Axis
10 Holliday Street
Birmingham
B1 1TF

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	18
Hazardous Substances	-
Geological	19
Industrial Land Use	22
Sensitive Land Use	23
Data Currency	24
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Useful Contacts	30

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes			n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1		Yes		
Pollution Incidents to Controlled Waters	pg 1				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 1				9 (*46)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 15	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 15		4	5	12

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 18				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 18				1
Local Authority Landfill Coverage	pg 18	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 19	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 19	Yes		Yes	Yes
BGS Recorded Mineral Sites	pg 20				2
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 20	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 20	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 22		1		2
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 22				1
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 23			1	
Environmentally Sensitive Areas	pg 23		1		
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 23	2			
Ramsar Sites	pg 23				1
Sites of Special Scientific Interest	pg 23				1
Special Areas of Conservation					
Special Protection Areas	pg 23				1
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (N)	0	1	626032 239044
1	Discharge Consents Operator: Trinity College Cambridge Property Type: Domestic Property (Single) Location: Trinity College Cambridge 2 Hill Cottages, Morston Hall Lane, Trimley St Martin, Suffolk, Ip11 0sh Authority: Environment Agency, Anglian Region Catchment Area: Deben Estuary / Orwell Estuary Reference: Prenf13314 Permit Version: 1 Effective Date: 24th November 2000 Issued Date: 18th December 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Estuary Environment: Receiving Water: Orwell Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A3NE (S)	937	2	626110 237900
	Nearest Surface Water Feature	A13SW (S)	73	-	625978 238810
2	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Ipswich District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Loompit Lake Catchment Orwell Incident Date: 12th August 1993 Incident Reference: 1751 Catchment Area: Not Given Receiving Water: Potential Groundwater Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A11SE (W)	827	2	625001 239001
3	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: An/035/0010/001 Permit Version: 1 Location: 15 Wellpoints At Levington Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walk Farm Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	681	2	625400 239600
3	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0157b Permit Version: 1 Location: 15 Wellpoints At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walk Farm Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	681	2	625400 239600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0157a Permit Version: 1 Location: 15 Wellpoints At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Walk Farm Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 16th June 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	681	2	625400 239600
3	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0157 Permit Version: 1 Location: Wellpoints At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	681	2	625400 239600
3	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0152 Permit Version: 1 Location: Wellpoints At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Levington, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 17th January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	681	2	625400 239600
3	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0136 Permit Version: 101 Location: Wellpoints At Levington 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: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 27th September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	681	2	625400 239600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*G/0136 Permit Version: 100 Location: Wellpoints At Levington 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: Glacial Sand and Gravel; Status: Temporary Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	681	2	625400 239600
3	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*g/122 Permit Version: Not Supplied Location: Well Points At Walk Farm, TRIMLEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 28 Yearly Rate (m3): 750000 Details: Glacial Sand and Gravel; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	681	2	625400 239600
4	Water Abstractions Operator: Stratton Hall Farms Limited Licence Number: An/035/0010/013 Permit Version: 1 Location: Unnamed Tributary At Levington Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 30th January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	906	2	625465 238153
	Water Abstractions Operator: Walton Farms Ltd Licence Number: 7/35/10/*S/0063 Permit Version: 102 Location: Res By Little Grove, Trimley Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 19th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1062	2	626300 237800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Goslings Farms Licence Number: 7/35/10/*S/0063 Permit Version: 101 Location: Res By Little Grove, Trimley Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th April 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1062	2	626300 237800
	Water Abstractions Operator: Goslings Farms Licence Number: 7/35/10/*S/0063 Permit Version: 100 Location: Res By Little Grove, Trimley Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NE (S)	1062	2	626300 237800
	Water Abstractions Operator: G & J Paul Licence Number: 7/35/10/*G/0076 Permit Version: 100 Location: Bore At Kirton Hall Fm, Kirton 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: E chalk; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1075	2	626840 239960
	Water Abstractions Operator: Walton Farms Ltd Licence Number: 7/35/10/*S/0063 Permit Version: 102 Location: Reservoirs At Little Covert Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 19th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NW (S)	1109	2	626530 237830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Goslings Farms Licence Number: 7/35/10/*S/0063 Permit Version: 101 Location: Reservoirs At Little Covert Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th April 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NW (S)	1109	2	626530 237830
	Water Abstractions Operator: Goslings Farms Licence Number: 7/35/10/*S/0063 Permit Version: 100 Location: Reservoirs At Little Covert Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NW (S)	1109	2	626530 237830
	Water Abstractions Operator: Anglian Water Services Ltd Licence Number: 7/35/10/**/053 Permit Version: Not Supplied Location: 2 Wells Near, Little Grove, TRIM ST MARY Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 98 Yearly Rate (m3): 1091000 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NE (S)	1138	2	626190 237705
	Water Abstractions Operator: Walton Farms Ltd Licence Number: 7/35/10/*S/0063 Permit Version: 102 Location: Loompit Lake E Of R Orwell Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 19th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1203	2	625860 237650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Goslings Farms Licence Number: 7/35/10/*S/0063 Permit Version: 101 Location: Loompit Lake E Of R Orwell Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th April 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1203	2	625860 237650
	Water Abstractions Operator: Goslings Farms Licence Number: 7/35/10/*S/0063 Permit Version: 100 Location: Loompit Lake E Of R Orwell Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st October 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SW (S)	1203	2	625860 237650
	Water Abstractions Operator: G & J Paul Licence Number: 7/35/10/*G/0076 Permit Version: 100 Location: Well At Beechtree Fm, Kirton Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Crag; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1334	2	626450 240520
	Water Abstractions Operator: Goslings Farms, Licence Number: 7/35/10/*s/063 Permit Version: Not Supplied Location: Loompit Lake, East Of R Orwell Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 13 Yearly Rate (m3): 545000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SE (S)	1417	2	625590 237500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Stratton Hall Farms Limited Licence Number: 7/35/10/*S/0117 Permit Version: 105 Location: Spring-Fed Reservoir At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 5th July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: Stratton Hall Farms Limited Licence Number: 7/35/10/*S/0117 Permit Version: 105 Location: Spring-Fed Reservoir At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall, Levington, Suffolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 5th July 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 104 Location: Spring-Fed Reservoir At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 104 Location: Spring-Fed Reservoir At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall, Levington, Suffolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 103 Location: Spring-Fed Reservoir At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 103 Location: Spring-Fed Reservoir At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall Suffolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 102 Location: Res. At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 21st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 102 Location: Res. At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall Suffolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 21st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 102 Location: Res. At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Straton Hall Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 21st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 101 Location: Res At Stratton Hall Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 27th September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 101 Location: Res. At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stratton Hall, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 27th September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 101 Location: Res At Stratton Hall Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 27th September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1426	2	624500 238500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 100 Location: Res. At Stratton Hall, Suffolk Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 2nd October 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 100 Location: Res At Stratton Hall Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Time Limit Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 2nd October 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: A W Mayhew (Farms) Ltd Licence Number: 7/35/10/*S/0117 Permit Version: 100 Location: Res At Stratton Hall Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Time Limit Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 2nd October 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1426	2	624500 238500
	Water Abstractions Operator: Mr W R Stennett Licence Number: 7/35/10/*s/101 Permit Version: Not Supplied Location: Reservoir At, STRATTON HALL Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 91 Yearly Rate (m3): 1200000 Details: 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 100m	A6NW (W)	1428	2	624500 238495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G & J Paul Licence Number: 7/35/10/*G/0112 Permit Version: 100 Location: 15 Wellpts Adj To Kirton Brook Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Glacial Sand and Gravel; Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1439	2	626900 240400
	Water Abstractions Operator: G & J Paul Licence Number: 7/35/10/*S/0005 Permit Version: 2 Location: From Kirton Brook To Res Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 October Authorised End: 30 April Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1479	2	626900 240450
	Water Abstractions Operator: G & J Paul Licence Number: 7/35/10/*S/0005 Permit Version: 2 Location: From Kirton Brook To Res Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1479	2	626900 240450
	Water Abstractions Operator: G & J Paul Licence Number: 7/35/10/*S/0005 Permit Version: 1 Location: From Kirton Brook To Res Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 October Authorised End: 30 April Permit Start Date: 27th October 1975 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1479	2	626900 240450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G & J Paul Licence Number: 7/35/10/*S/0005 Permit Version: 1 Location: From Kirton Brook To Res Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 27th October 1975 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1479	2	626900 240450
	Water Abstractions Operator: J P Ramsey Licence Number: 7/35/10/*G/0021 Permit Version: 100 Location: Bore At Red House Farm, Bucklesham 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: E chalk; Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st August 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1849	2	625330 240965
	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: 7/35/10/*G/0126 Permit Version: 105 Location: Bore At Red House Farm, Bucklesham 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: Red House Farm Bucklesham Ipswich Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970
	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: 7/35/10/*G/0126 Permit Version: 105 Location: Bore, Red House Fm, Bucklesham Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red House Farm Bucklesham Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 104 Location: Bore At Red House Farm, Bucklesham 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: Red House Farm Bucklesham Ipswich Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 104 Location: Bore, Red House Fm, Bucklesham Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red House Farm Bucklesham Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 103 Location: Bore, Red House Fm, Bucklesham Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red House Farm Bucklesham Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 103 Location: Bore At Red House Farm, Bucklesham 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: Red House Farm Bucklesham Ipswich Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 24th April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 102 Location: Bore, Red House Fm, Bucklesham 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: Red House Farm Bucklesham Ipswich Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 13th December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 102 Location: Bore, Red House Fm, Bucklesham Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red House Farm Bucklesham Ipswich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970
	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: 7/35/10/*G/0126 Permit Version: 101 Location: Bore, Red House Fm, Bucklesham 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: Red House Farm Bucklesham Ipswich Suffolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 23rd August 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970
	Water Abstractions Operator: R F Ramsey Licence Number: 7/35/10/*G/0126 Permit Version: 100 Location: Bore, Red House Fm, Bucklesham 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: E chalk; Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st January 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1854	2	625330 240970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Goslings Farms, Licence Number: 7/35/10/*s/063 Permit Version: Not Supplied Location: Reservoirs , LITTLE COVERT Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 13 Yearly Rate (m3): 545000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1993	2	626330 236860
	Groundwater Vulnerability 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	A13SW (N)	0	2	626032 239044
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SW (N)	0	1	626032 239044
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (N)	0	1	626032 239044
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
5	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 555.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A13SW (SW)	74	3	625901 238867
6	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A13SW (W)	108	3	625722 239001
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 280.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A13SW (W)	111	3	625718 239004

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 389.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A8NE (S)	229	3	626176 238637
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 532.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NW (NE)	399	3	626493 239354
10	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A8NW (SW)	483	3	625704 238503
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A8NW (SW)	485	3	625709 238498
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A8NW (SW)	487	3	625705 238497
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 407.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A8NW (SW)	489	3	625703 238497
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A12SW (W)	520	3	625330 238871
15	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A12SW (W)	527	3	625332 238842
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 601.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A12SW (W)	540	3	625335 238800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 297.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A8SW (S)	785	3	625961 238057
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 462.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A14NE (E)	799	3	627030 239150
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SE (SW)	844	3	625592 238136
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 209.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A7SE (SW)	846	3	625446 238245
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SE (NE)	888	3	626822 239716
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 340.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A4NW (S)	890	3	626392 238008
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 287.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Deben Primacy: 1	A19SE (NE)	897	3	626846 239707
24	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 456.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Loompit Lake Catchment Name: Deben Primacy: 1	A7SE (SW)	901	3	625501 238131
25	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 396.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Loompit Lake Catchment Name: Deben Primacy: 1	A7SE (SW)	1000	3	625442 238053

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Historical Landfill Sites Licence Holder: Not Supplied Location: Kirton Name: Off A1093 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD03309 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3500/0603 BGS Ref: Not Supplied Other Ref: OFSSC8	A23SW (N)	969	2	625824 240201
27	Licensed Waste Management Facilities (Locations) Licence Number: 401743 Location: Walk Farm, Felixstowe Road, Levington, Ipswich, IP10 0LR Operator Name: F G S Agri Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Anaerobic digestion facility <75,000 tpy Licence Status: Issued Issued: 16th September 2014 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	821	2	625578 239940
	Local Authority Landfill Coverage Name: Suffolk County Council - Has supplied landfill data		0	4	626032 239044
	Local Authority Landfill Coverage Name: Suffolk Coastal District Council - Had landfill data but passed it to the relevant environment agency		0	5	626032 239044

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Neogene To Quaternary Rocks (Undifferentiated)	A13SW (N)	0	1	626032 239044
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13SW (N)	0	1	626032 239044
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A14NW (NE)	361	1	626445 239345
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A7NE (SW)	423	1	625660 238579
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7SE (SW)	830	1	625438 238271
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (E)	852	1	627090 239051
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A15SW (E)	862	1	627099 239023

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A15SW (E)	863	1	627099 239000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A15SW (E)	864	1	627099 238983
28	BGS Recorded Mineral Sites Site Name: Hill House Coprolite Workings Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 233560 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Eocene Geology: Thames Group Commodity: Coprolite Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	803	1	626579 238220
29	BGS Recorded Mineral Sites Site Name: Kirton Hall Sand Pit Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 213588 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Neogene Geology: Red Crag Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	843	1	626771 239701
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	626032 239044
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	626032 239044
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	626032 239044
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	626032 239044

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	626032 239044
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	626032 239044
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	626032 239044
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	1	626032 239044

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Contemporary Trade Directory Entries Name: Raf Cars Location: Croft Cottage, Innocence Lane, Kirton, Ipswich, IP10 0PL Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	25	-	626066 239248
31	Contemporary Trade Directory Entries Name: Boat Gear Direct Location: The Gun Shed, Levington, Ipswich, IP10 0LP Classification: Chain Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	865	-	625061 239455
31	Contemporary Trade Directory Entries Name: E Y E Marine Ltd Location: The Gun Shed, Levington, Ipswich, Suffolk, IP10 0LP Classification: Chain Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	865	-	625061 239455
32	Points of Interest - Manufacturing and Production Name: Stratton Hall Solar Park - Solar Photovoltaics (DECC) Location: Walk Farm, Croft Lane, Stratton Hall, Ipswich, Suffolk, IP10 0LR Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A17NE (NW)	761	6	625648 239912

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Areas of Outstanding Natural Beauty Name: Suffolk Coast & Heaths Multiple Areas: Y Total Area (m2): 40537333.83 Designation Date: 30th March 1970 Source: Natural England	A8NW (S)	413	7	625840 238488
34	Environmentally Sensitive Areas Name: Suffolk River Valleys (decommissioned) Multiple Areas: Y Total Area (m2): 10017140.91 Source: Natural England	A13SW (SW)	225	7	625780 238761
35	Nitrate Vulnerable Zones Name: Bucklesham Mill River Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SW (N)	0	8	626032 239044
36	Nitrate Vulnerable Zones Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A13SW (N)	0	8	626032 239044
37	Ramsar Sites Name: Stour And Orwell Estuaries Multiple Areas: Y Total Area (m2): 36725655.61 Source: Natural England Reference: UK11067 Designation Date: Not Supplied	A2NE (SW)	959	7	625544 238029
38	Sites of Special Scientific Interest Name: Orwell Estuary Multiple Areas: N Total Area (m2): 13355269.19 Source: Natural England Reference: 1002511 Designation Details: Area Of Outstanding Natural Beauty Designation Date: 9th April 2003 Date Type: Notified Designation Details: Environmentally Sensitive Area Designation Date: 9th April 2003 Date Type: Notified Designation Details: Local Nature Reserve Designation Date: 9th April 2003 Date Type: Notified Designation Details: Ramsar Site Designation Date: 9th April 2003 Date Type: Notified Designation Details: Special Protection Area Designation Date: 9th April 2003 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 9th April 2003 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 9th April 2003 Date Type: Notified	A2NE (SW)	959	7	625544 238029
39	Special Protection Areas Name: Stour And Orwell Estuaries Multiple Areas: Y Total Area (m2): 36726577.76 Source: Natural England Reference: UK9009121 Designation Date: Not Supplied	A2NE (SW)	957	7	625546 238030

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Babergh District Council - Environmental Services Tendring District Council - Environmental Services Suffolk Coastal District Council - Environmental Health Department	June 2014 March 2014 March 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	April 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	April 2018	Quarterly
Local Authority Integrated Pollution Prevention And Control Suffolk Coastal District Council - Environmental Health Department Tendring District Council - Environmental Services Babergh District Council - Environmental Services	April 2014 December 2015 June 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Suffolk Coastal District Council - Environmental Health Department Tendring District Council - Environmental Services Babergh District Council - Environmental Services	April 2014 December 2015 June 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Suffolk Coastal District Council - Environmental Health Department Tendring District Council - Environmental Services Babergh District Council - Environmental Services	April 2014 December 2015 June 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	As notified
Registered Radioactive Substances Environment Agency - Anglian Region	January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area	April 2018	Quarterly
Water Abstractions Environment Agency - Anglian Region	April 2018	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable


Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2018	Quarterly
Flood Defences Environment Agency - Head Office	May 2018	Quarterly
OS Water Network Lines Ordnance Survey	May 2018	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	April 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	April 2018	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	April 2018	Quarterly
Local Authority Landfill Coverage Babergh District Council - Environmental Services Essex County Council Suffolk Coastal District Council - Environmental Health Department Suffolk County Council Tendring District Council	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Babergh District Council - Environmental Services Suffolk Coastal District Council - Environmental Health Department Suffolk County Council Tendring District Council Essex County Council	May 2000 May 2000 May 2000 May 2000 November 2004	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Essex County Council Suffolk Coastal District Council Tendring District Council	February 2006 February 2016 February 2016 February 2016 January 2016	Annual Rolling Update Variable Variable Variable Variable
Planning Hazardous Substance Consents Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Essex County Council Suffolk Coastal District Council Tendring District Council	February 2006 February 2016 February 2016 February 2016 January 2016	Annual Rolling Update Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2018	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	June 2018	Quarterly
Points of Interest - Education and Health PointX	June 2018	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2018	Quarterly
Points of Interest - Public Infrastructure PointX	June 2018	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2018	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	February 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2018	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	February 2018	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
4	Suffolk County Council St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Telephone: 01473 583000 Fax: 01473 230240 Website: www.suffolkcc.gov.uk
5	Suffolk Coastal District Council - Environmental Health Department Council Offices, Melton Hill, Woodbridge, Suffolk, IP12 1AU	Telephone: 01394 383789 extn 2238 Fax: 01394 385100 Website: www.suffolkcoastal.gov.uk
6	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

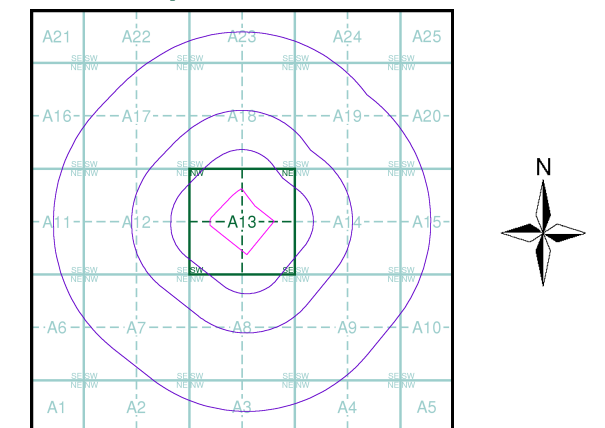
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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

ATKINS

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:10,560	1886	3
Suffolk	1:10,560	1904	4
Suffolk	1:10,560	1927 - 1928	5
Suffolk	1:10,560	1938	6
Ordnance Survey Plan	1:10,000	1957 - 1958	7
Harwich	1:10,000	1957	8
Ordnance Survey Plan	1:10,000	1970 - 1975	9
Ordnance Survey Plan	1:10,000	1975	10
Ipswich	1:10,000	1984	11
Ordnance Survey Plan	1:10,000	1988 - 1989	12
Ordnance Survey Plan	1:10,000	1990	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2018	16

Historical Map - Slice A



Order Details

Order Number: 176558568_1_1
Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Slice: A
Site Area (Ha): 8.95
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

Landmark
INFORMATION GROUP

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

Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

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

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

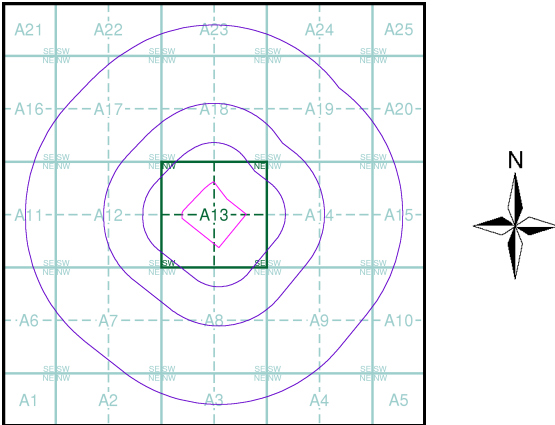
Key to Numbers on Mapping

ATKINS

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:10,560	1886	3
Suffolk	1:10,560	1904	4
Suffolk	1:10,560	1927 - 1928	5
Suffolk	1:10,560	1938	6
Ordnance Survey Plan	1:10,000	1957 - 1958	7
Harwich	1:10,000	1957	8
Ordnance Survey Plan	1:10,000	1970 - 1975	9
Ordnance Survey Plan	1:10,000	1975	10
Ipswich	1:10,000	1984	11
Ordnance Survey Plan	1:10,000	1988 - 1989	12
Ordnance Survey Plan	1:10,000	1990	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2018	16

Russian Map - Slice A



Order Details

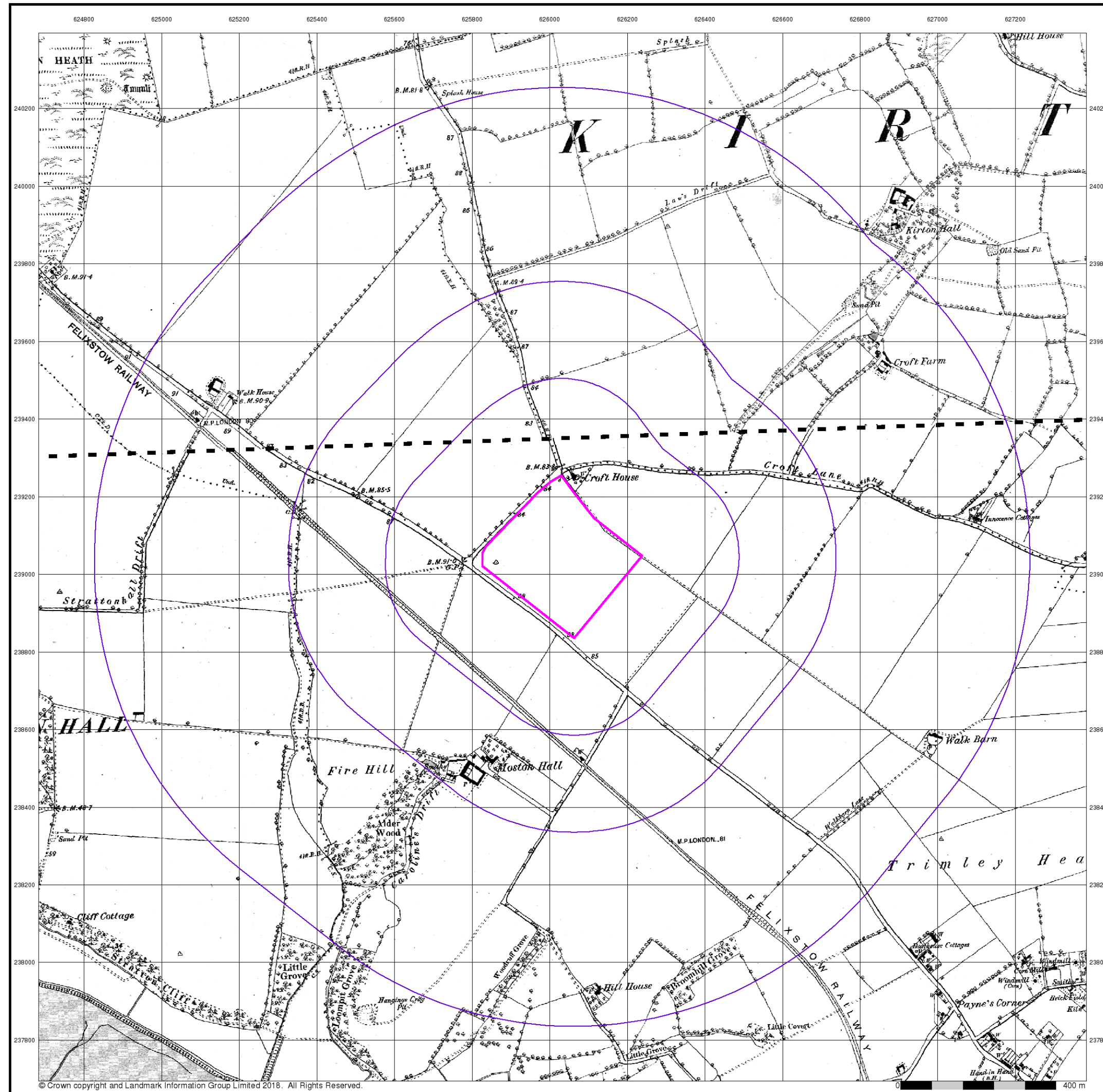
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Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Slice: A
Site Area (Ha): 8.95
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

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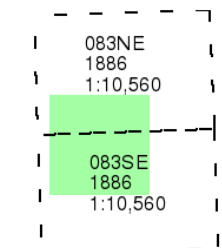
Suffolk

Published 1886

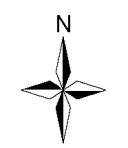
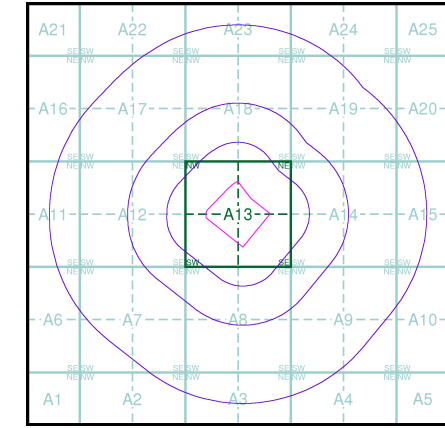
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

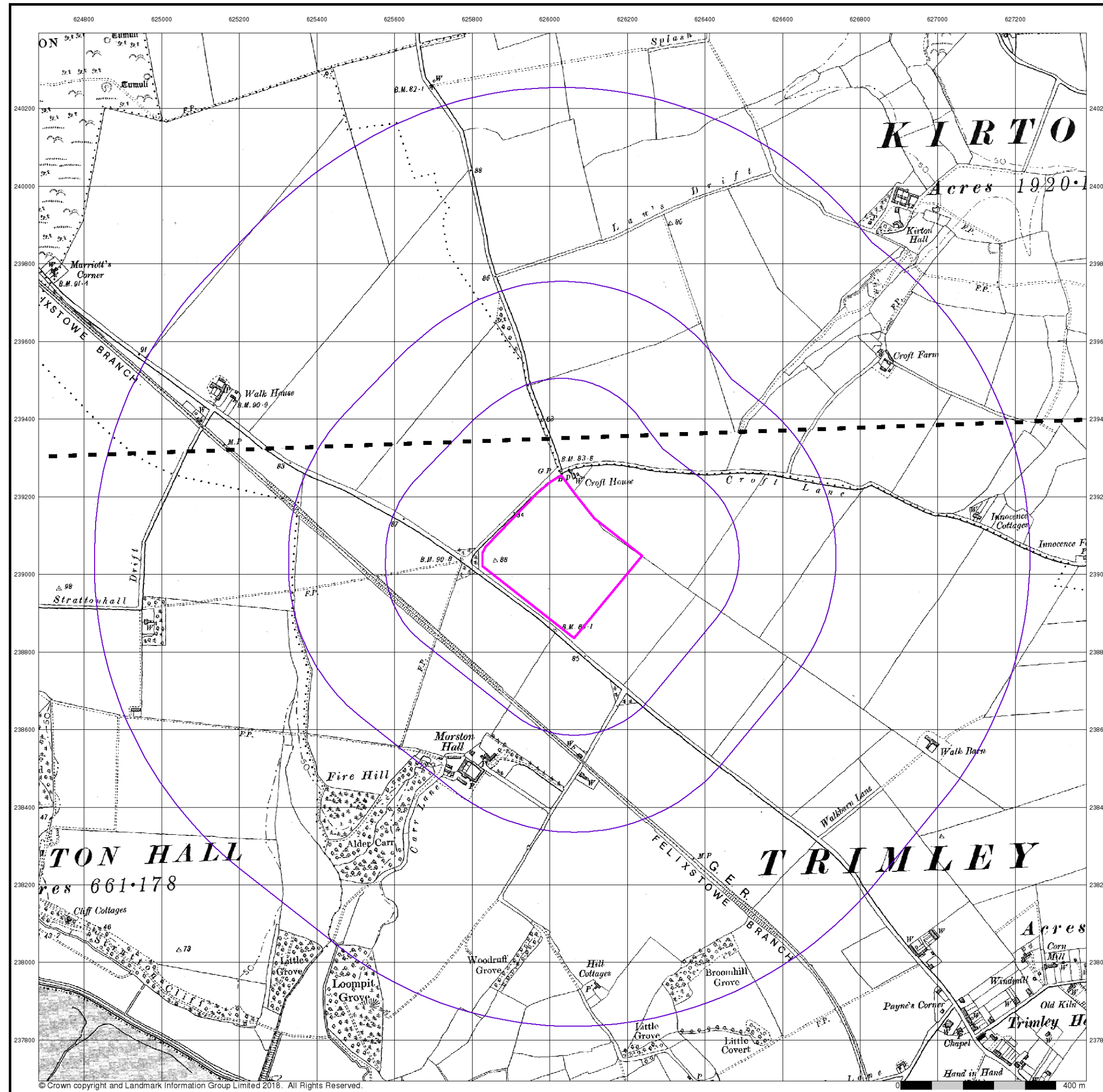
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Customer Ref: 5166065/015
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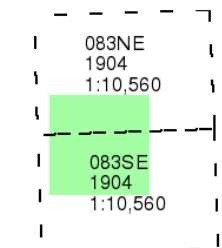
Suffolk

Published 1904

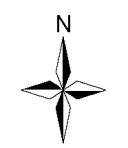
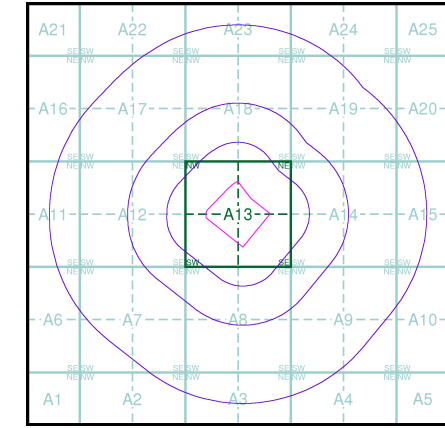
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

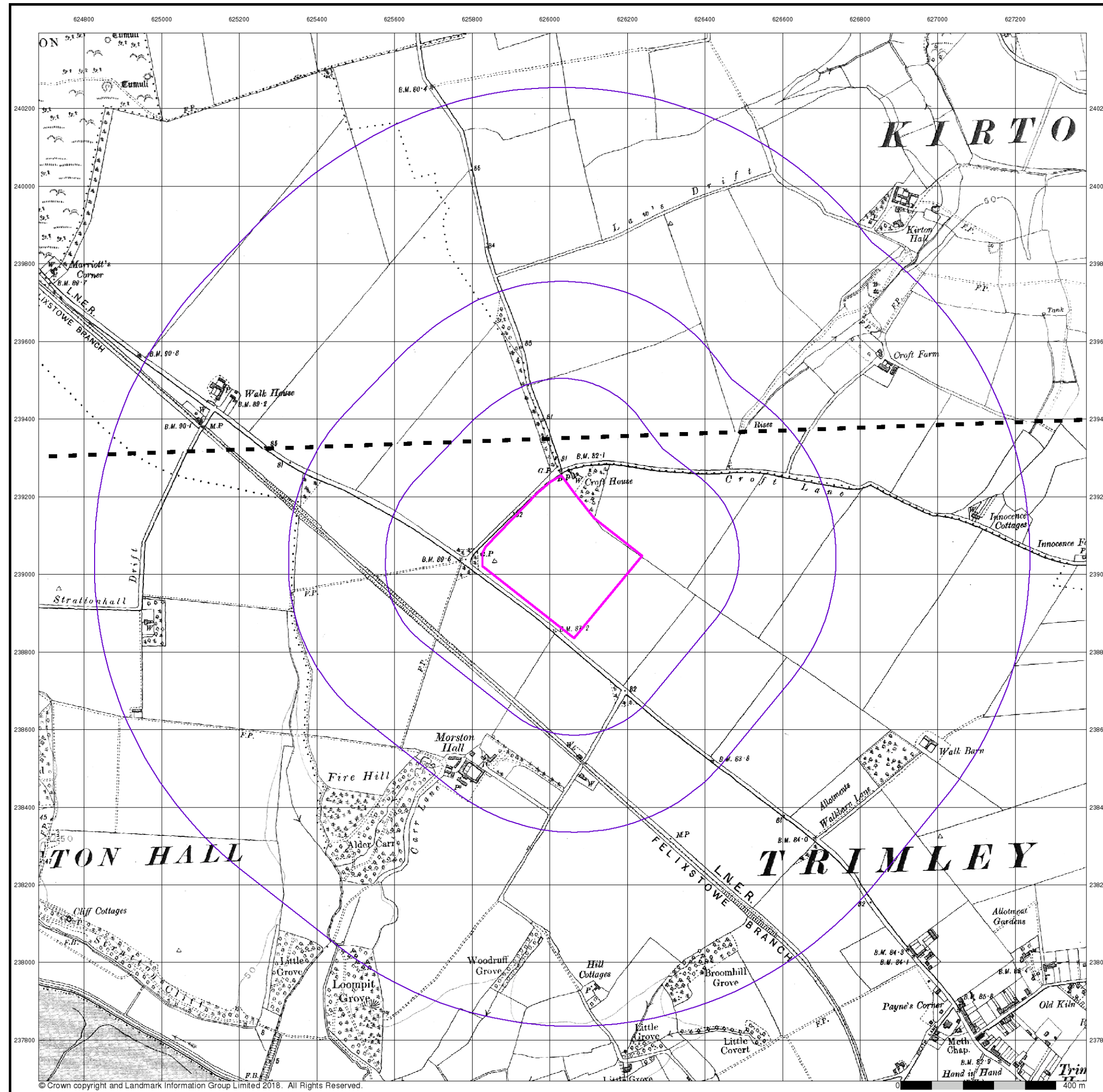
Order Number: 176558568_1_1
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Suffolk

Published 1927 - 1928

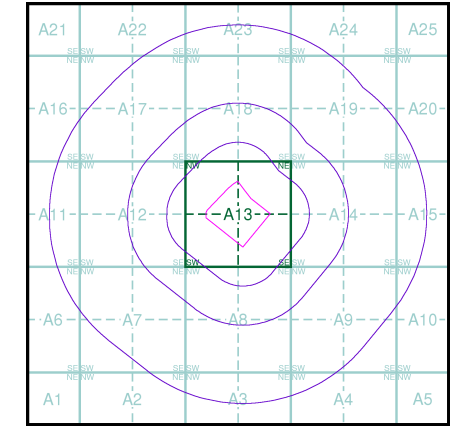
Source map scale - 1:10,560

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)

083NE
1927
1:10,560
083SE
1928
1:10,560

Historical Map - Slice A



Order Details

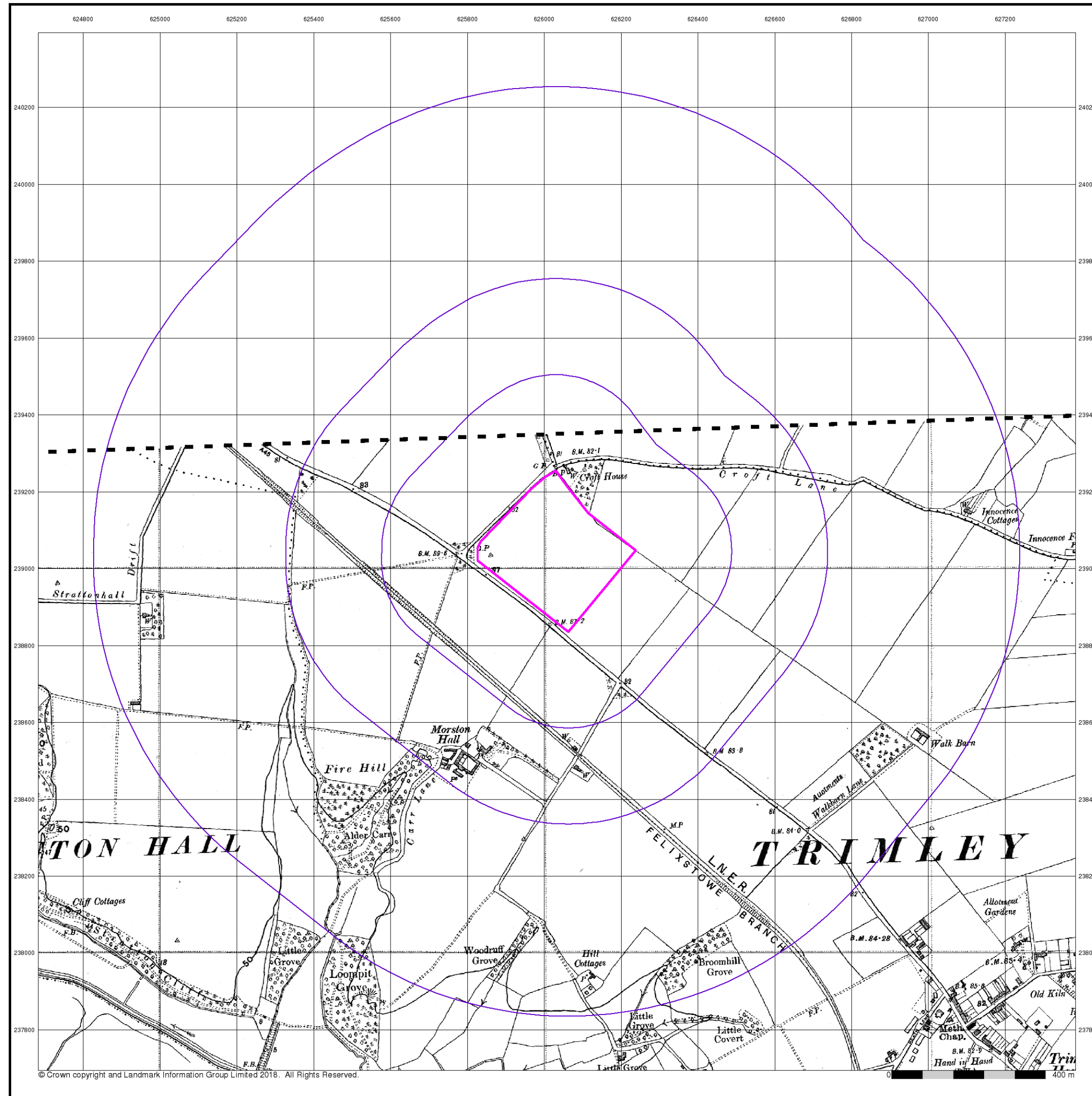
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National Grid Reference:	626030, 239040
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Search Buffer (m):	1000

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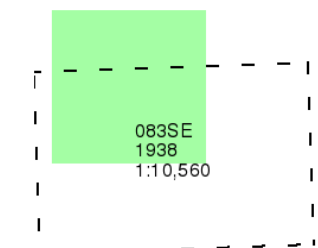
Suffolk

Published 1938

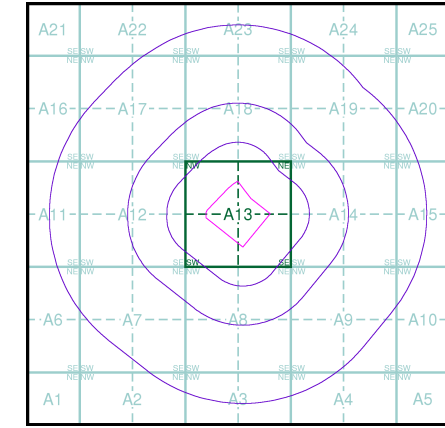
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

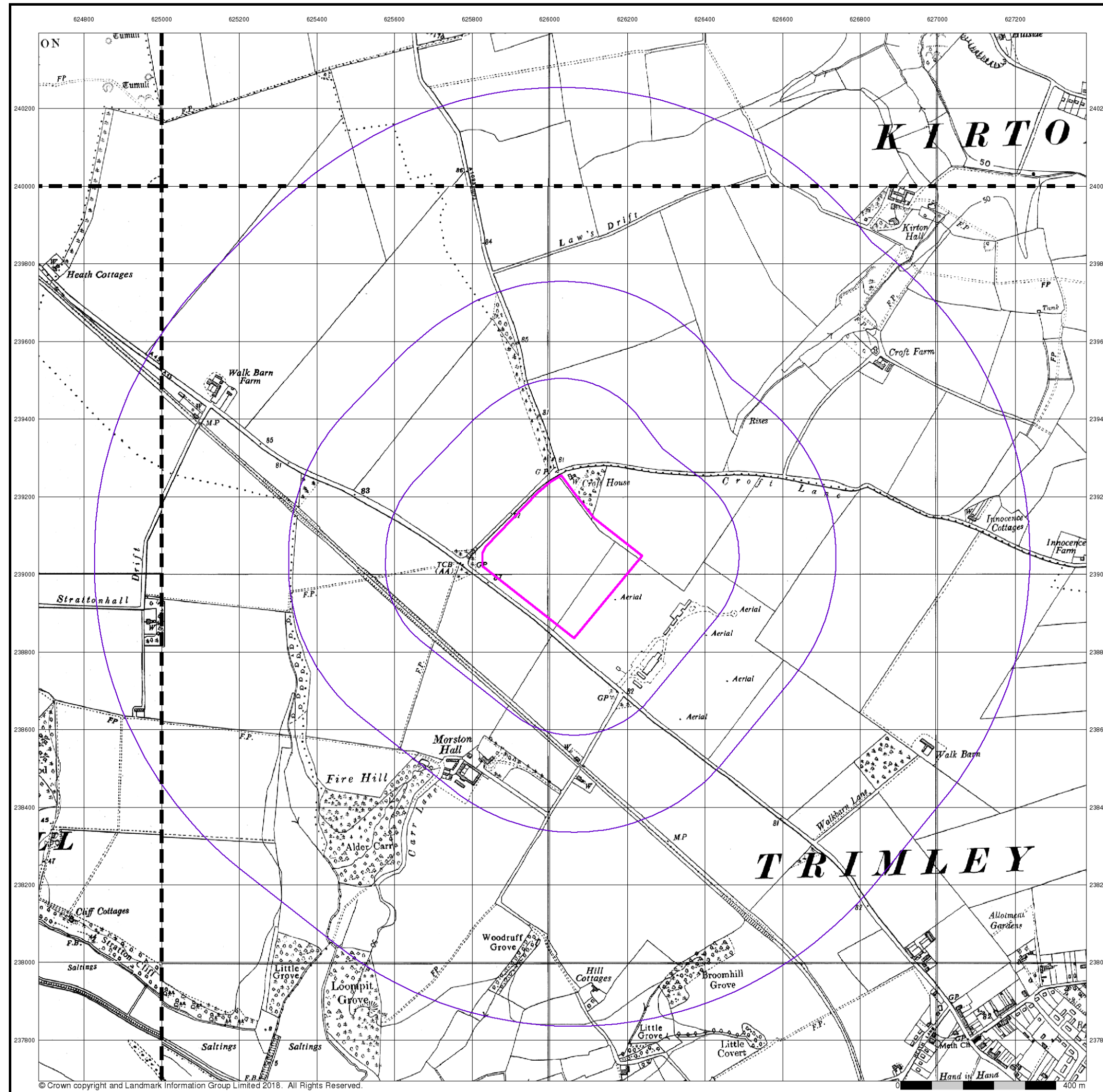
Order Number: 176558568_1_1
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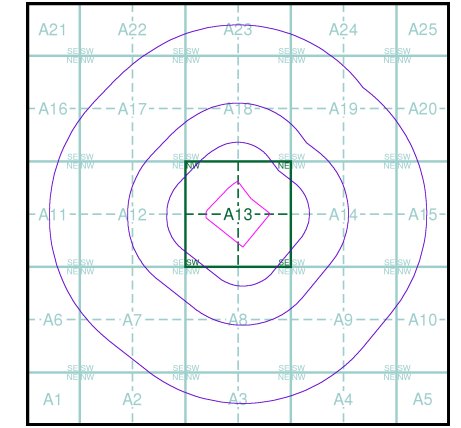
Ordnance Survey Plan Published 1957 - 1958 Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TM24SW	TM24SE
1958	1957
1:10,560	1:10,560
TM23NW	TM23NE
1958	1958
1:10,560	1:10,560

Historical Map - Slice A



Order Details

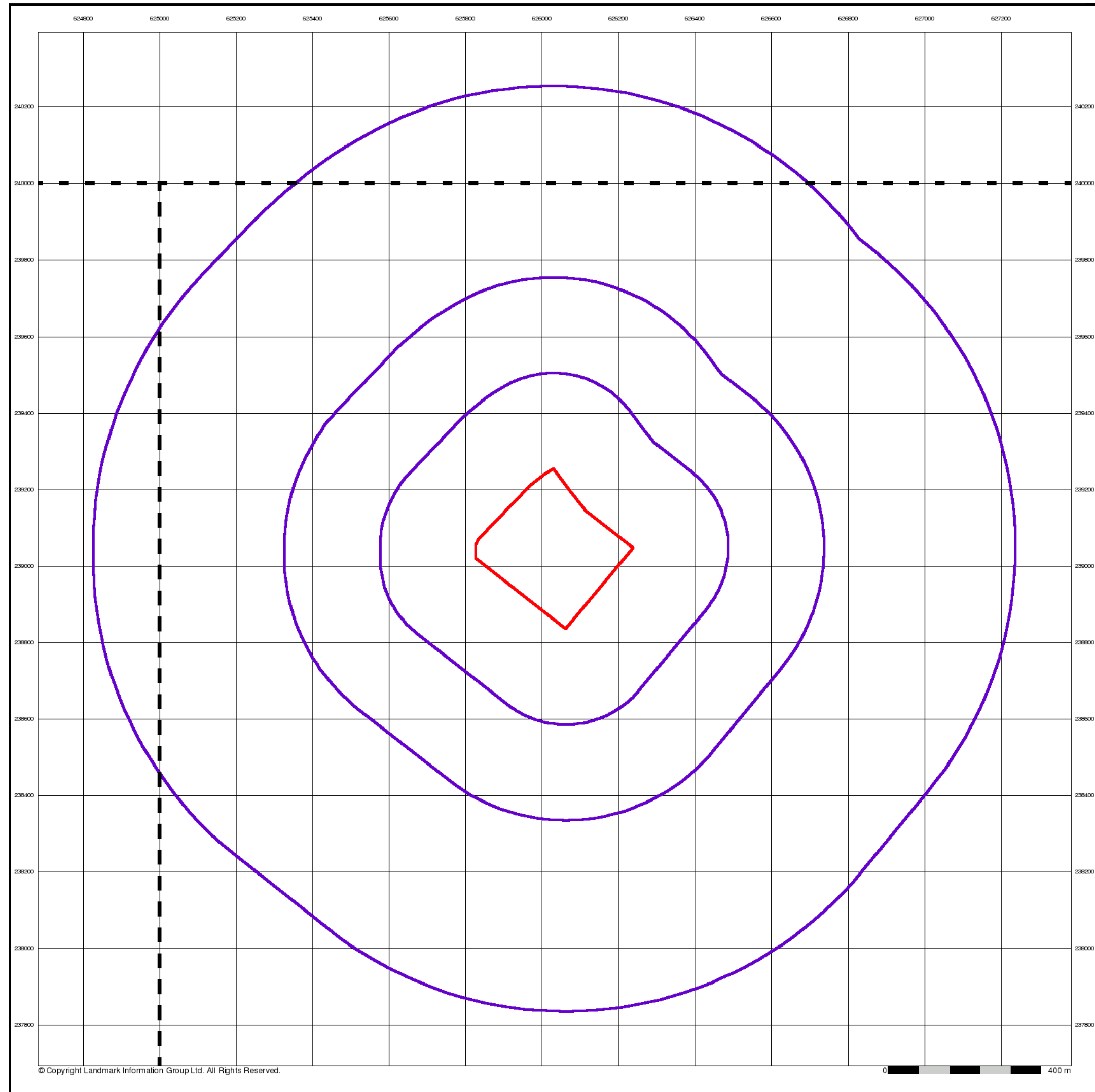
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Customer Ref: 5166065/015
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Slice: A
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Search Buffer (m): 1000

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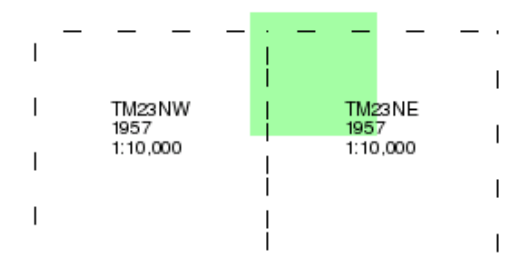
Harwich

Published 1957

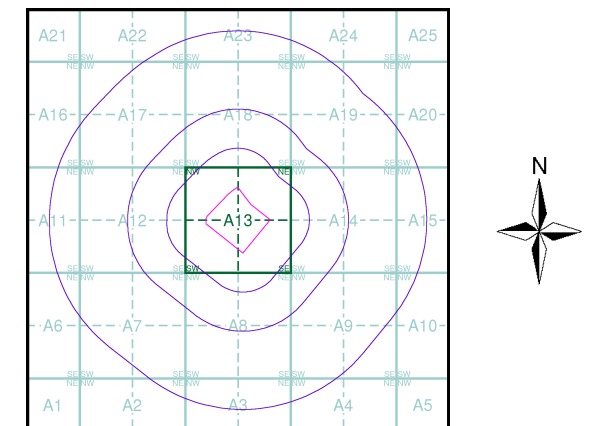
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

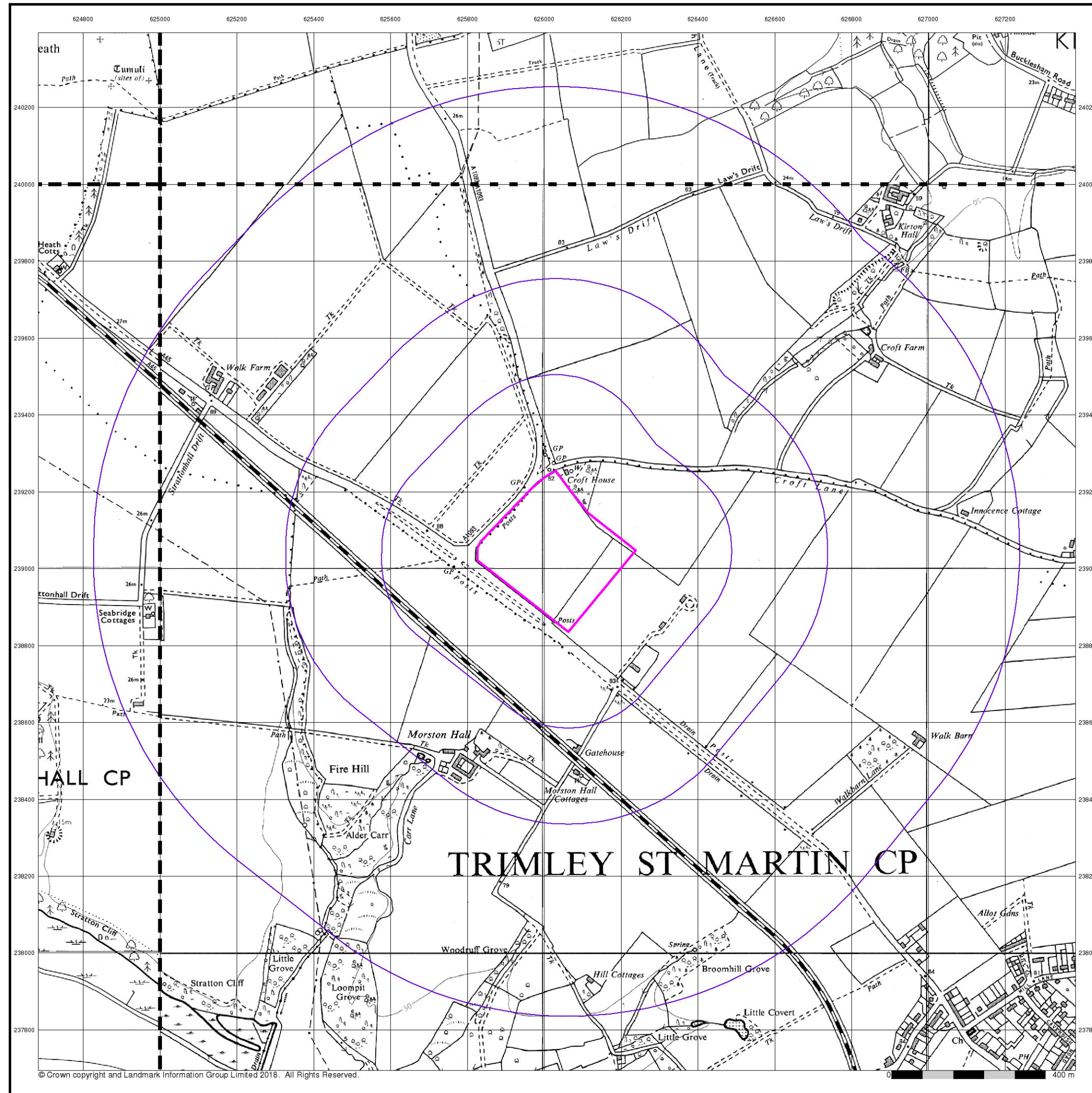
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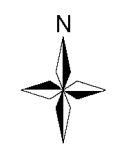
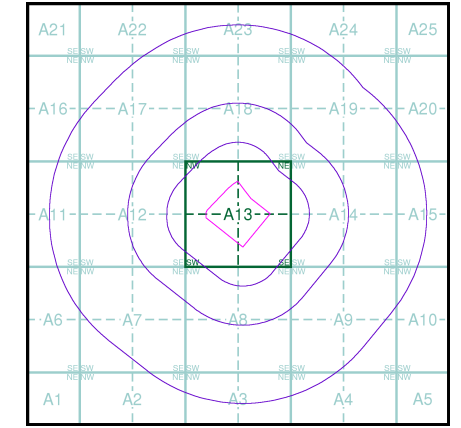
Ordnance Survey Plan
Published 1970 - 1975
Source map scale - 1:10,000

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)

TM24SW	TM24SE
1971	1975
1:10,560	1:10,000
TM23NW	TM23NE
1971	1970
1:10,000	1:10,560

Historical Map - Slice A



Order Details

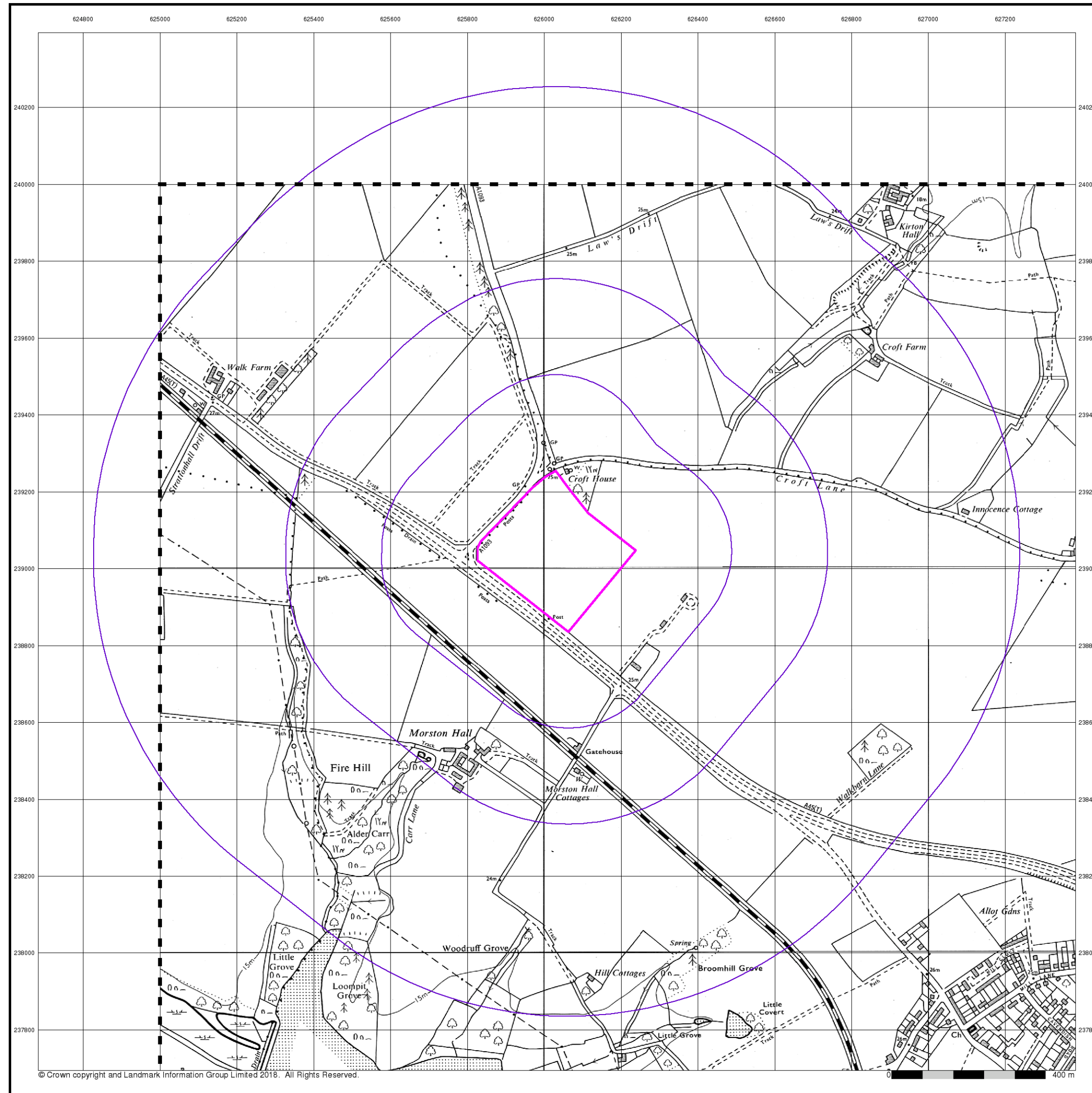
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Search Buffer (m): 1000

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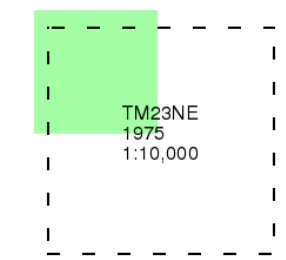
Ordnance Survey Plan

Published 1975

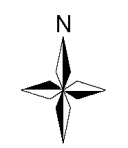
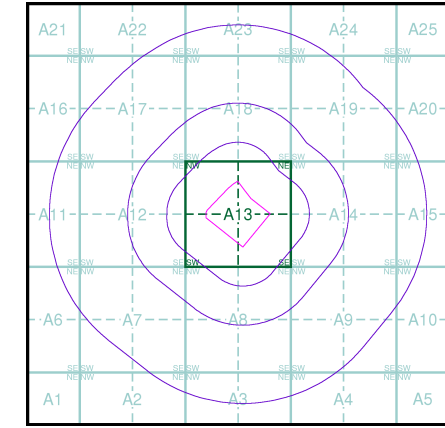
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

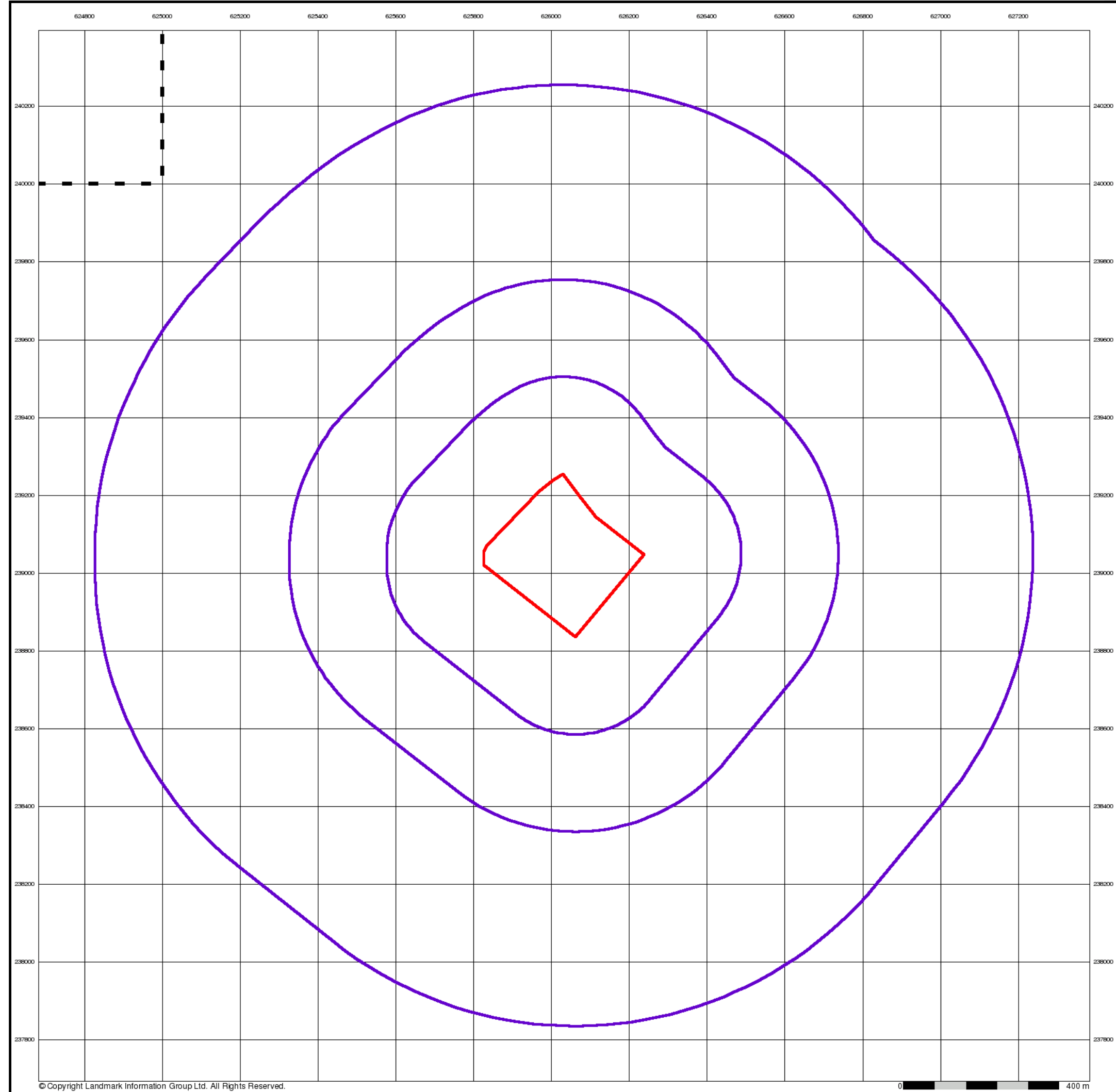
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0 400 m

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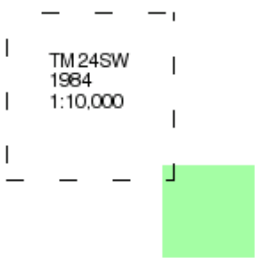
Ipswich

Published 1984

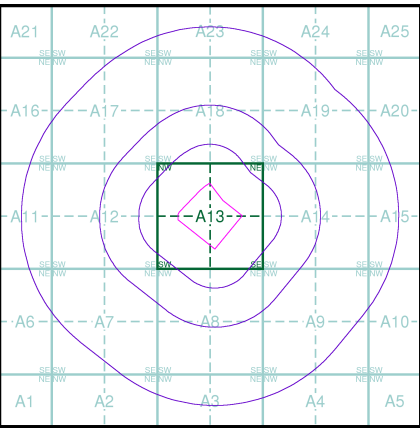
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

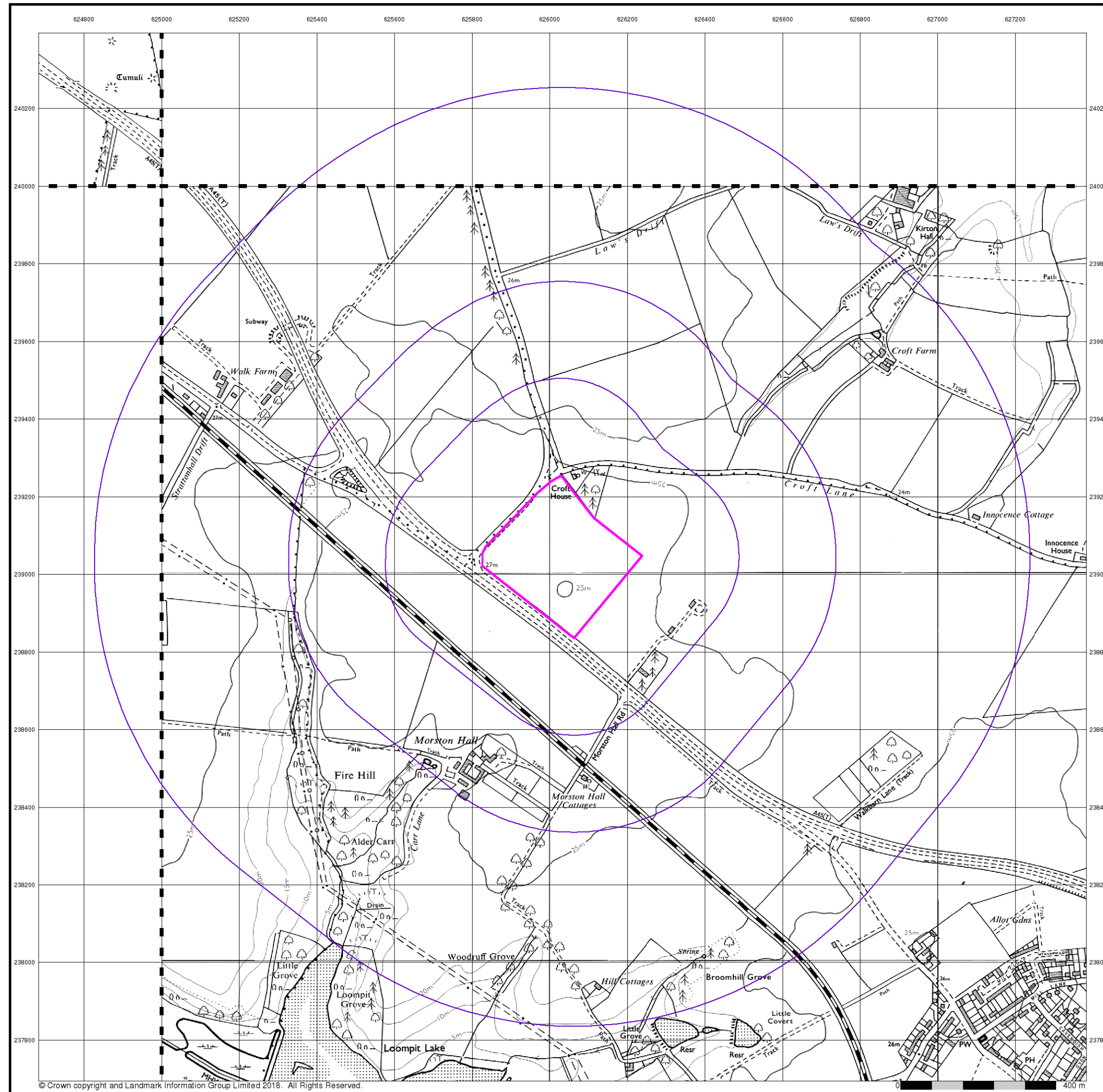
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Customer Ref: 5166065/015
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Ordnance Survey Plan

Published 1988 - 1989

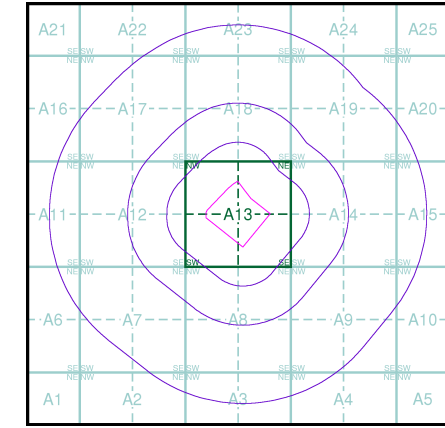
Source map scale - 1:10,000

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)

TM24SW	1988	1:10,000
TM23NE	1989	1:10,000

Historical Map - Slice A



Order Details

Order Number:	176558568_1_1
Customer Ref:	5166065/015
National Grid Reference:	626030, 239040
Slice:	A
Site Area (Ha):	8.95
Search Buffer (m):	1000

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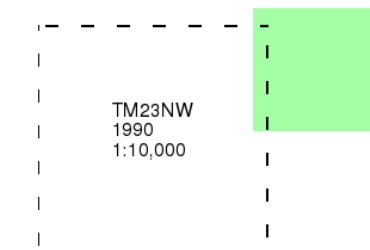
Ordnance Survey Plan

Published 1990

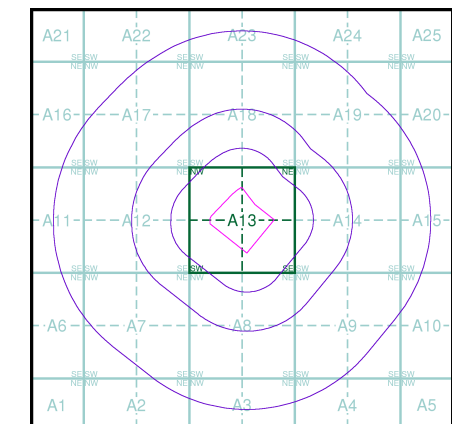
Source map scale - 1:10,000

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

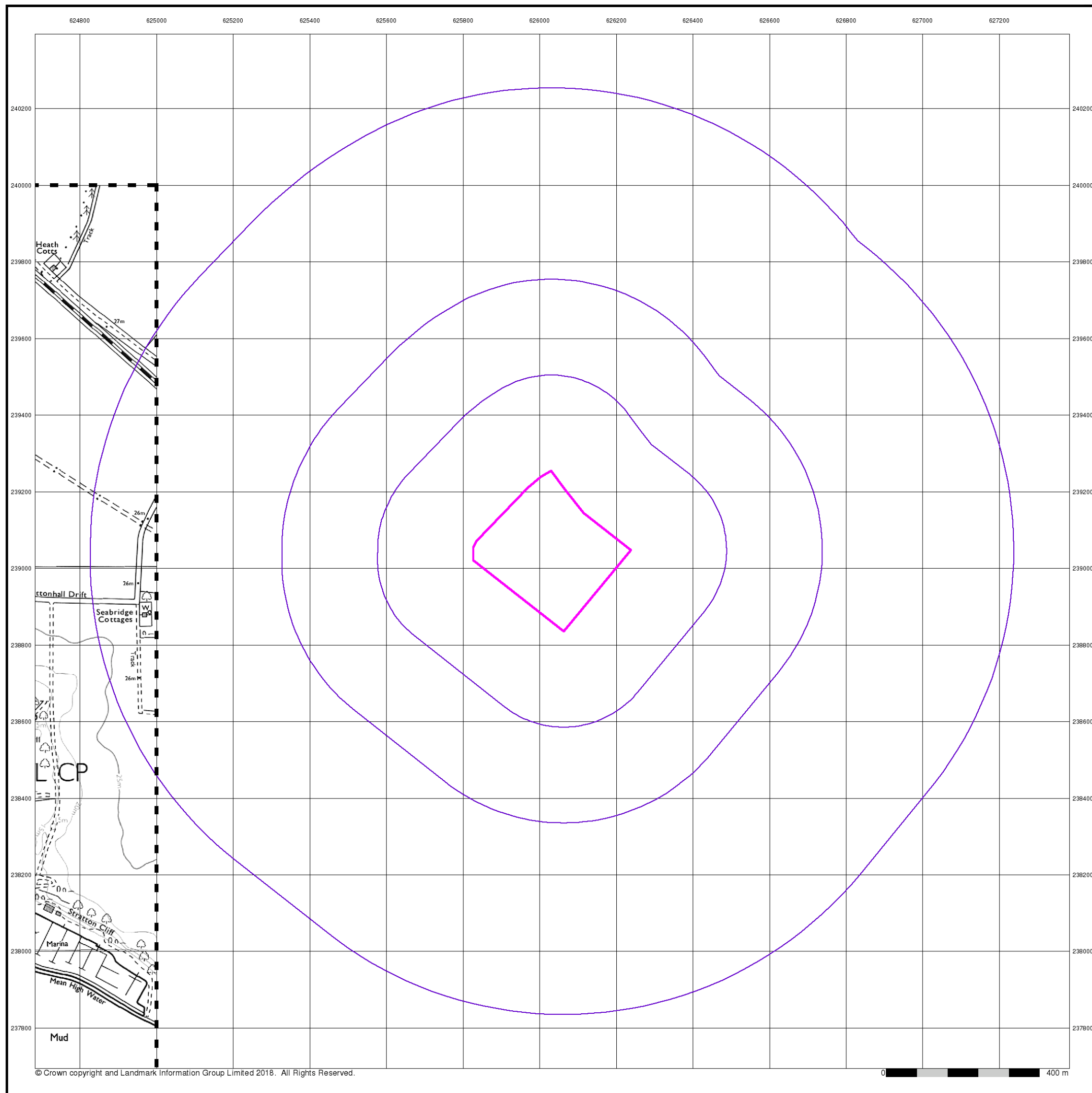


Order Details

Order Number: 176558568_1_1
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 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk





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10k Raster Mapping

Published 2006

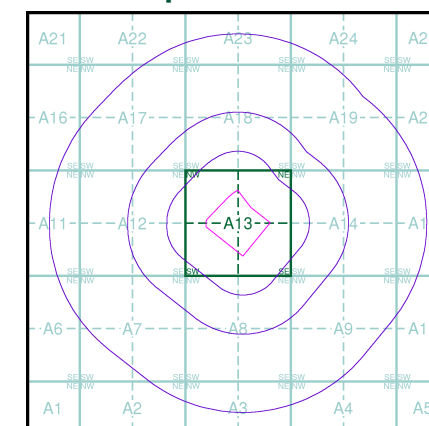
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TM24SW 2006 1:10,000	TM24SE 2006 1:10,000
TM23NW 2006 1:10,000	TM23NE 2006 1:10,000

Historical Map - Slice A



Order Details

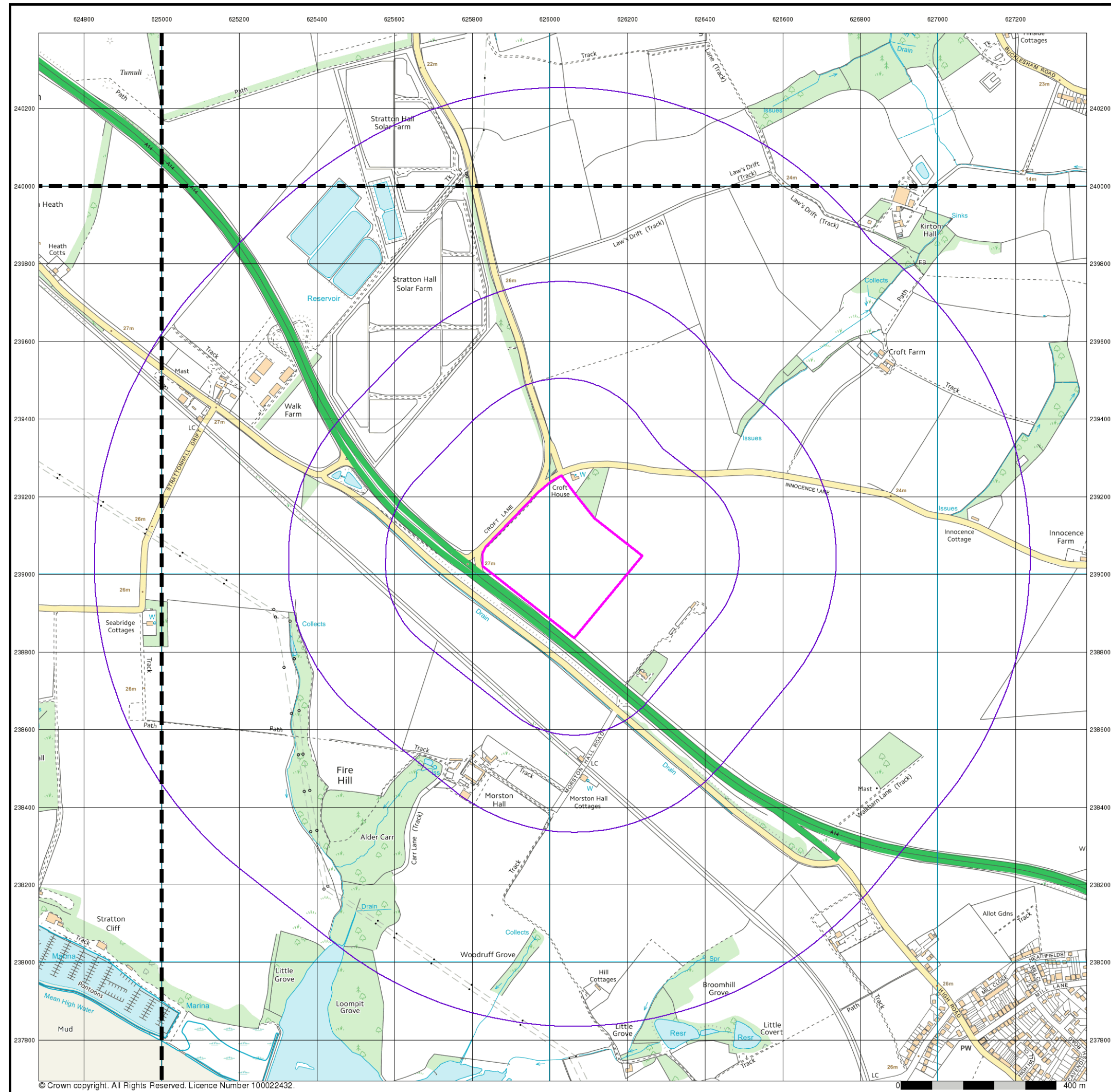
Order Number: 176558568_1_1
Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Slice: A
Site Area (Ha): 8.95
Search Buffer (m): 1000

Site Details

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ATKINS

VectorMap Local

Published 2018

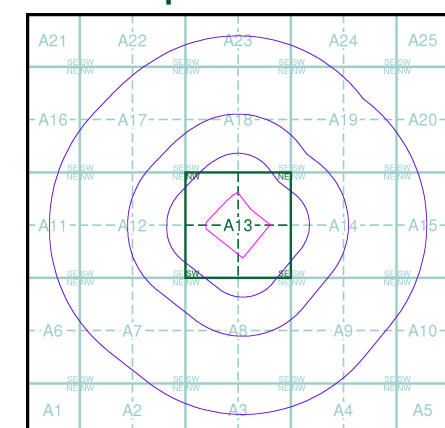
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TM24SW 2018 Variable	TM24SE 2018 Variable
TM23NW 2018 Variable	TM23NE 2018 Variable

Historical Map - Slice A



Order Details

Order Number: 176558568_1_1
Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Slice: A
Site Area (Ha): 8.95
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

Landmark
INFORMATION GROUP

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

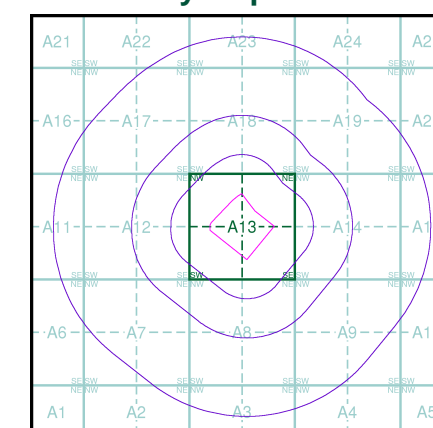


Order Number: 176558568_1_1
Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Slice: A
Site Area (Ha): 8.95
Plot Buffer (m): 100

Site at, Levington, Suffolk

General	
Specified Site	Specified Buffer(s)
Severall of Type at Location	Bearing Reference Point
Agency and Hydrological	
Contaminated Land Register Entry or Notice (Location)	BGS Recorded Landfill Site (Location)
Contaminated Land Register Entry or Notice	BGS Recorded Landfill Site
Discharge Consent	EA Historic Landfill (Buffered Point)
Enforcement or Prohibition Notice	EA Historic Landfill (Polygon)
Integrated Pollution Control	Integrated Pollution Control Registered Waste Site
Integrated Pollution Prevention Control	Licensed Waste Management Facility (Landfill Boundary)
Local Authority Integrated Pollution Prevention and Control	Licensed Waste Management Facility (Location)
Local Authority Pollution Prevention and Control	Local Authority Recorded Landfill Site (Location)
Local Authority Pollution Prevention and Control Enforcement	Local Authority Recorded Landfill Site
Pollution Incident to Controlled Waters	Potentially Infilled Land (Non-water)
Prosecution Relating to Authorised Processes	Potentially Infilled Land (Non-water)
Prosecution Relating to Controlled Waters	Potentially Infilled Land (Non-water)
Registered Radioactive Substance	Potentially Infilled Land (Water)
River Network or Water Feature	Potentially Infilled Land (Water)
River Quality Sampling Point	Potentially Infilled Land (Water)
Substantiated Pollution Incident Register	Potentially Infilled Land (Water)
Water Abstraction	Registered Landfill Site
Water Industry Act Referral	Registered Landfill Site (Point Buffered to 100m)
Hazardous Substances	
COMAH Site	Registered Landfill Site (Point Buffered to 250m)
Explosive Site	Registered Waste Transfer Site (Location)
NIHHS Site	Registered Waste Transfer Site
Planning Hazardous Substance Consent	Registered Waste Treatment or Disposal Site (Location)
Planning Hazardous Substance Enforcement	Registered Waste Treatment or Disposal Site
Geological	
BGS Recorded Mineral Site	

Site Sensitivity Map - Slice A

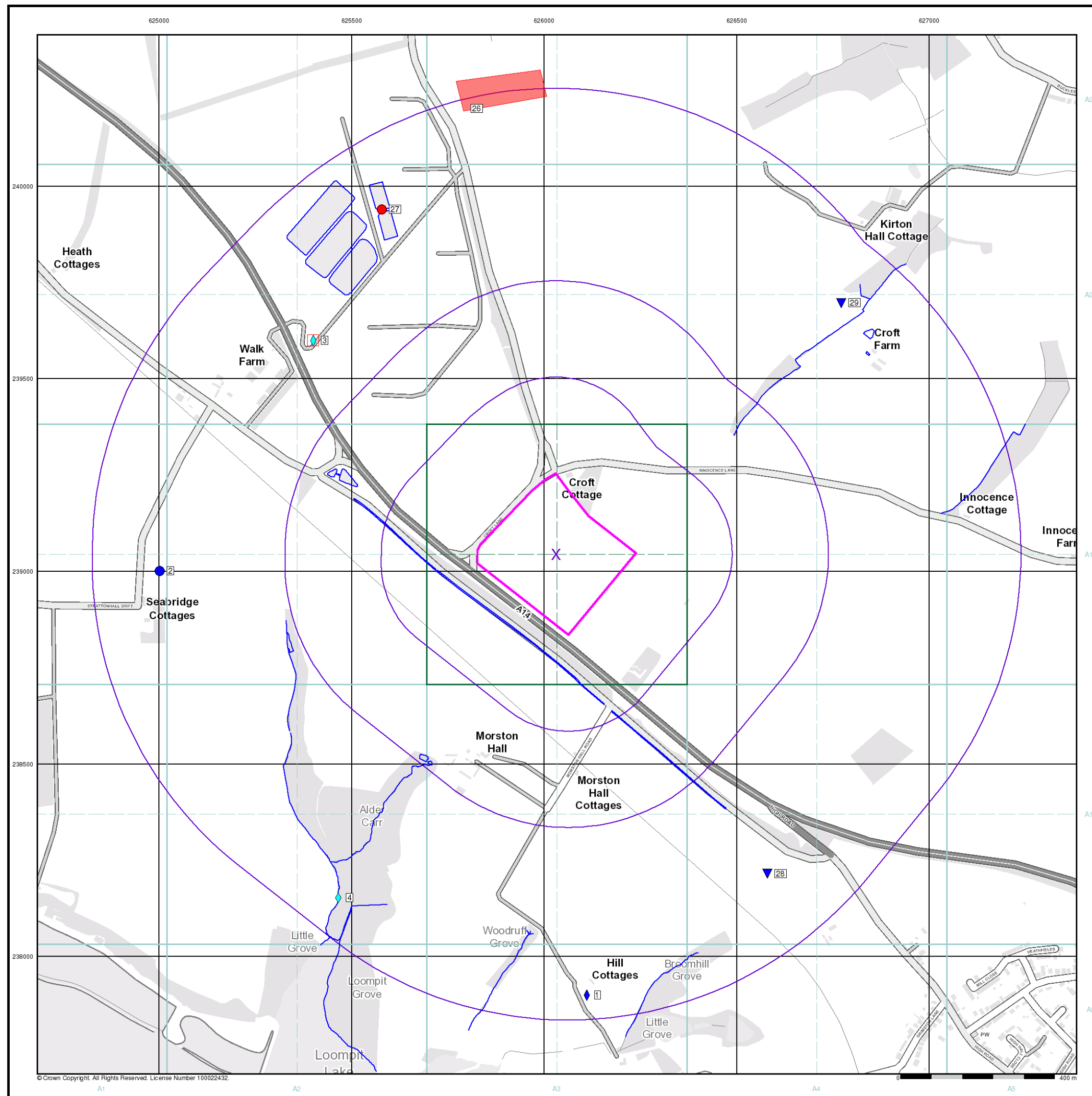


Order Details

Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk





ATKINS

Industrial Land Use Map

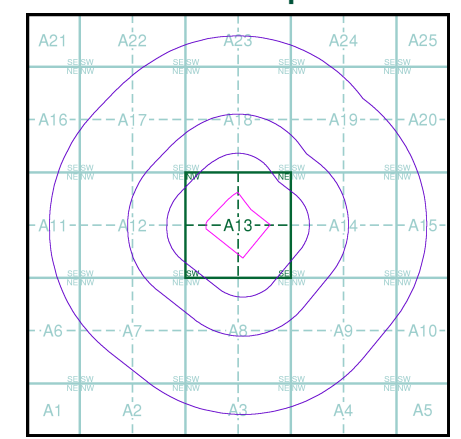
General

- 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: 176558568_1_1
Customer Ref: 5166065/015
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Slice: A
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Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

Landmark
INFORMATION GROUP

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

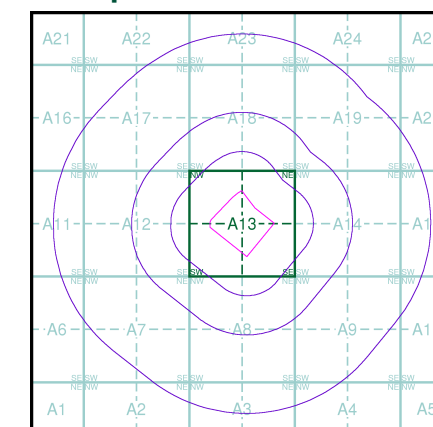
General

- 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

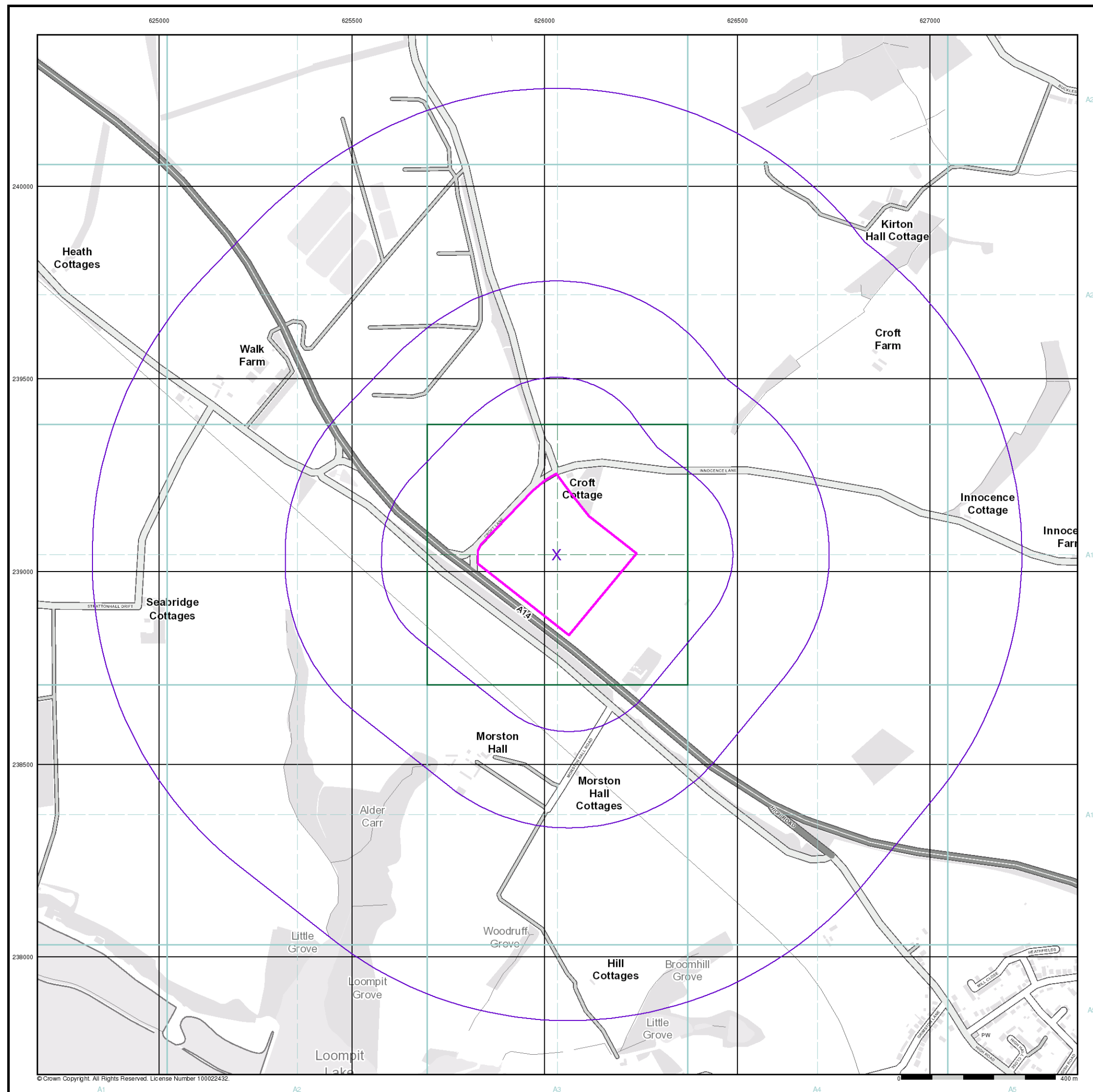


Order Details

Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



General

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

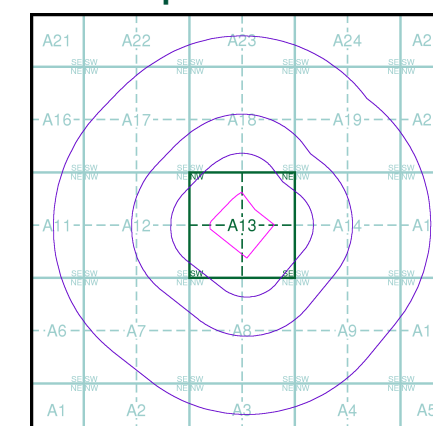
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

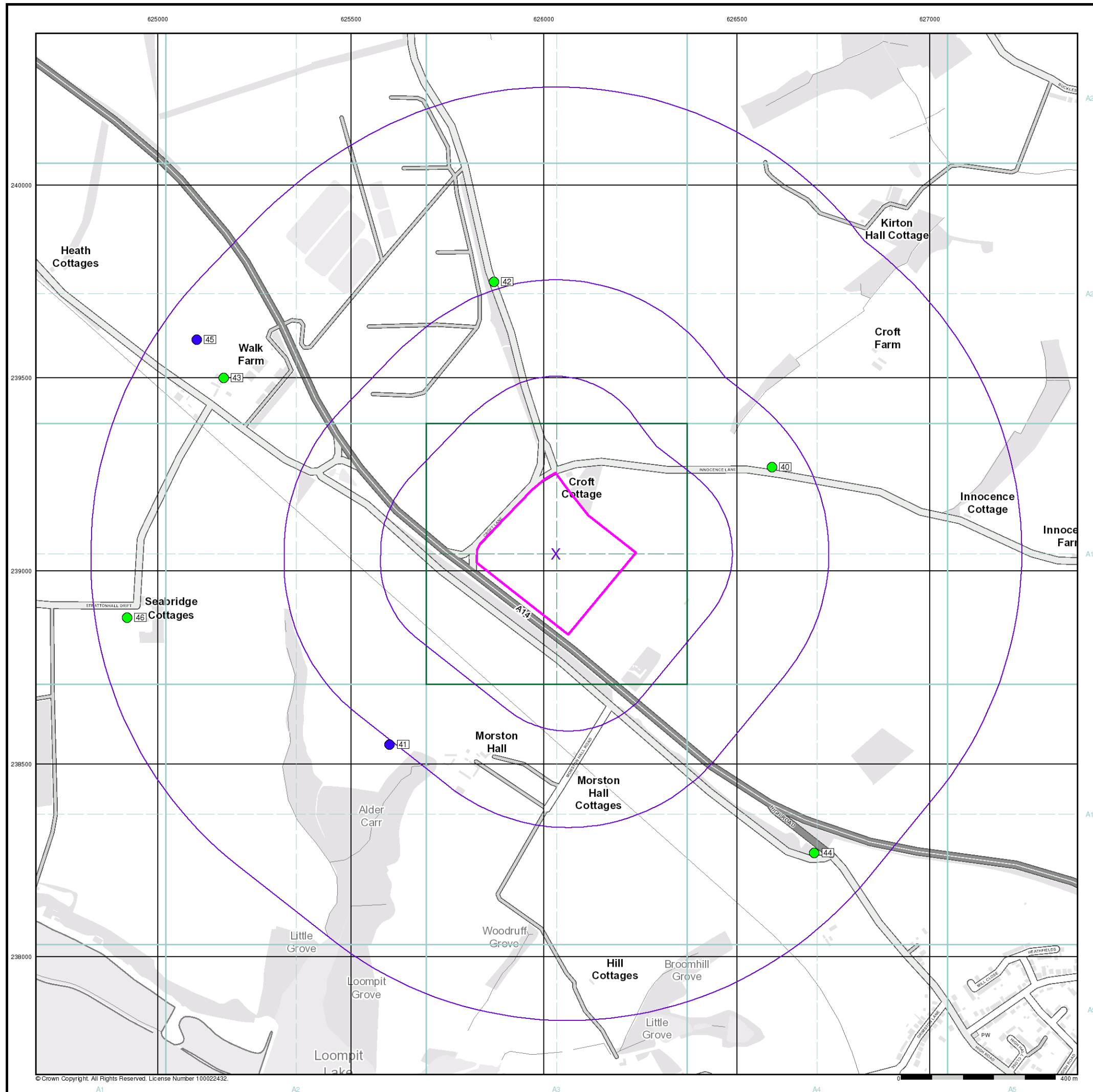


Order Details

Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



General

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

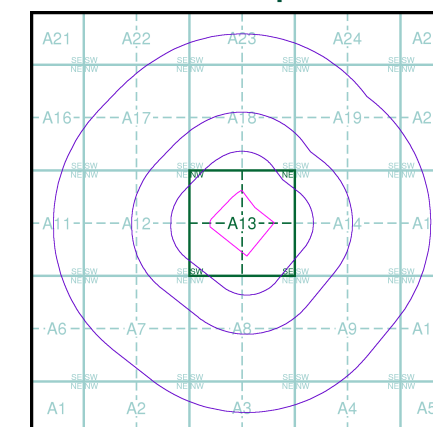
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 176558568_1_1
 Customer Ref: 5166065/015
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 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk



General

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

Risk of Flooding from Surface Water

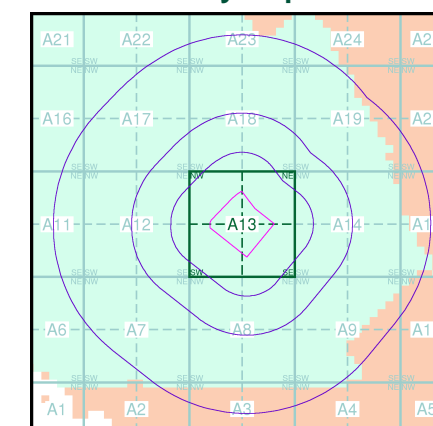
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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

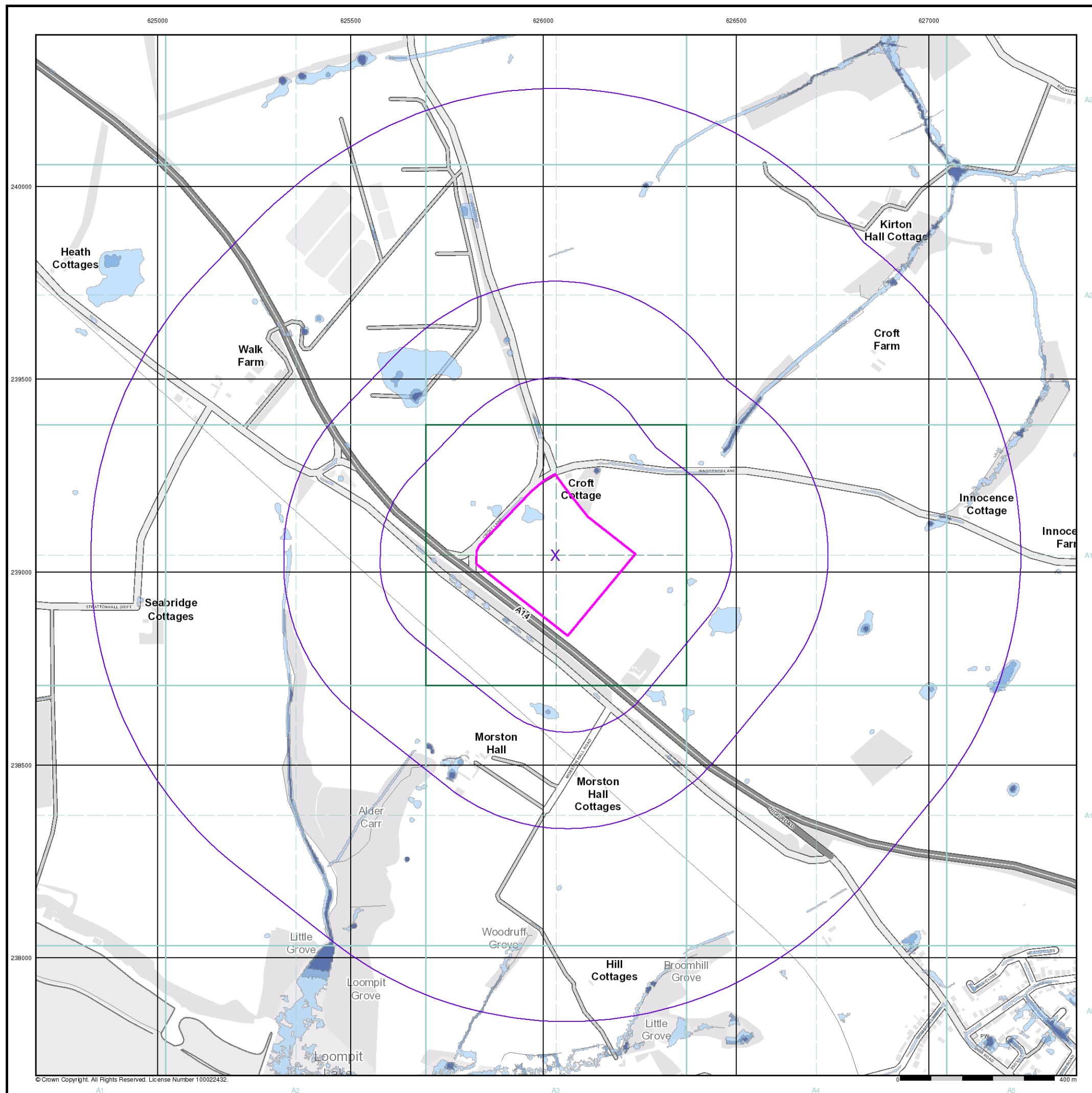


Order Details

Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

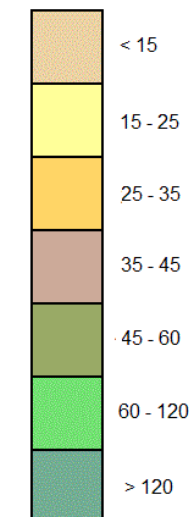


General

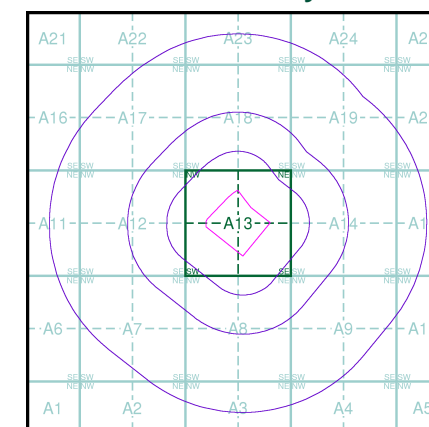
✱ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details


Order Details: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

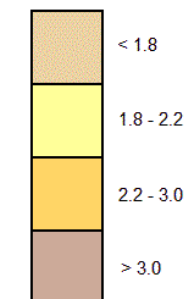


General

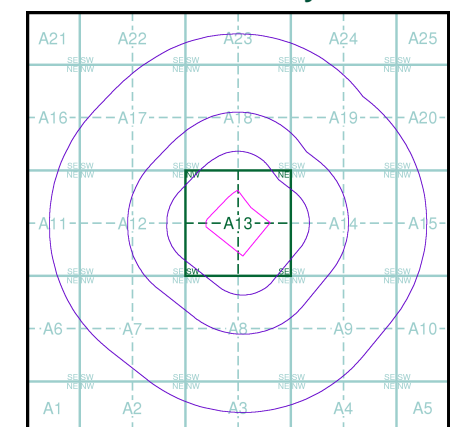
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

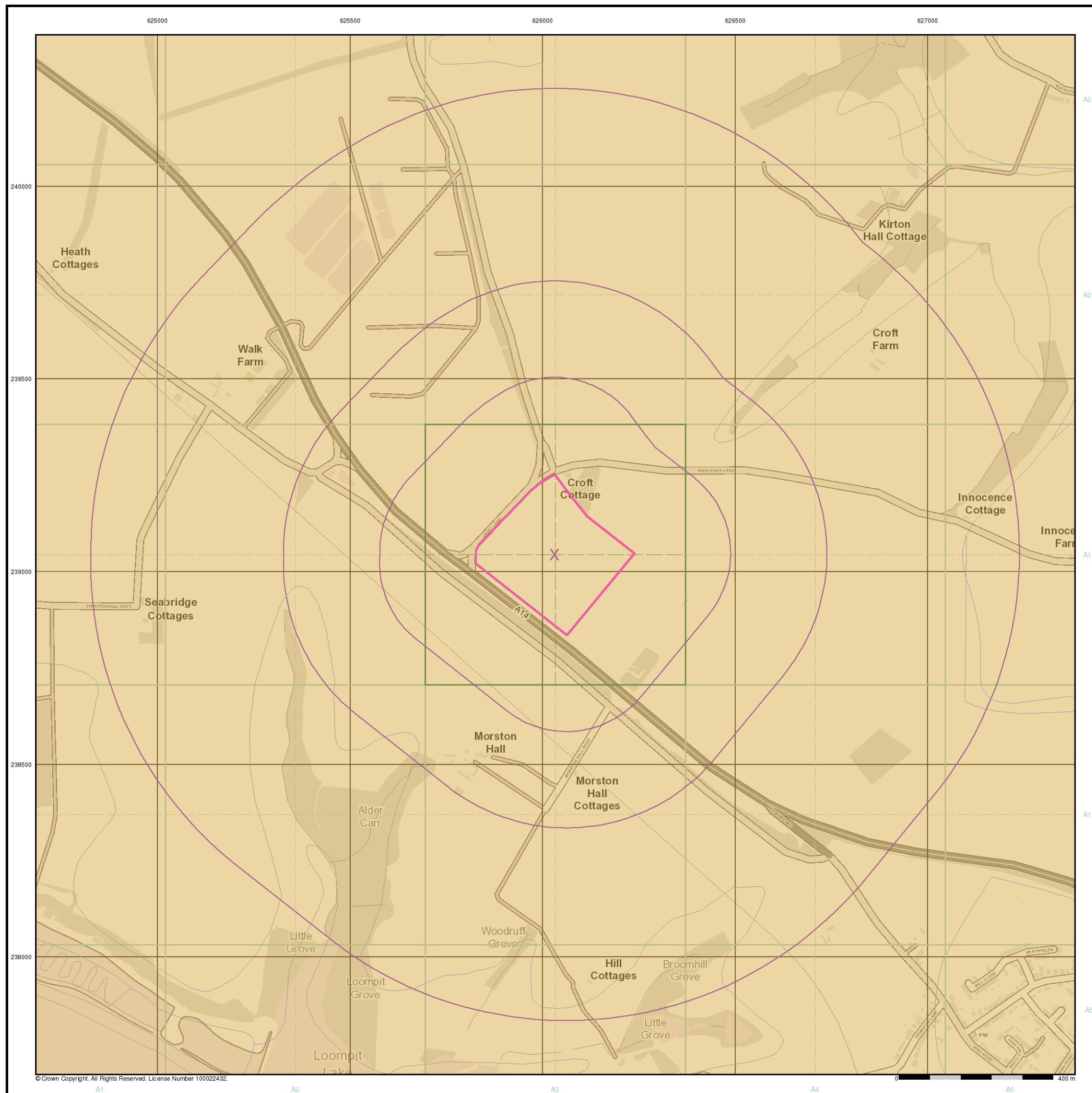


Order Details

Order Details: 176558568_1_1
Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Slice: A
Site Area (Ha): 8.95
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

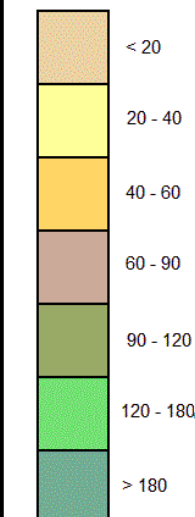


General

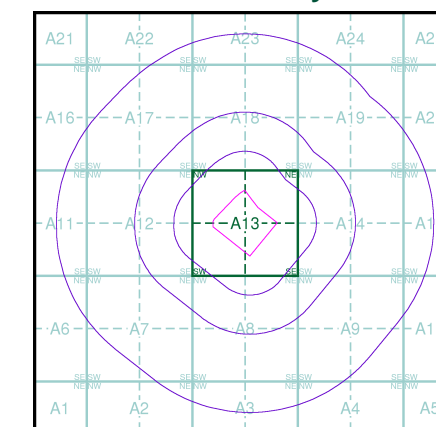
✱ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

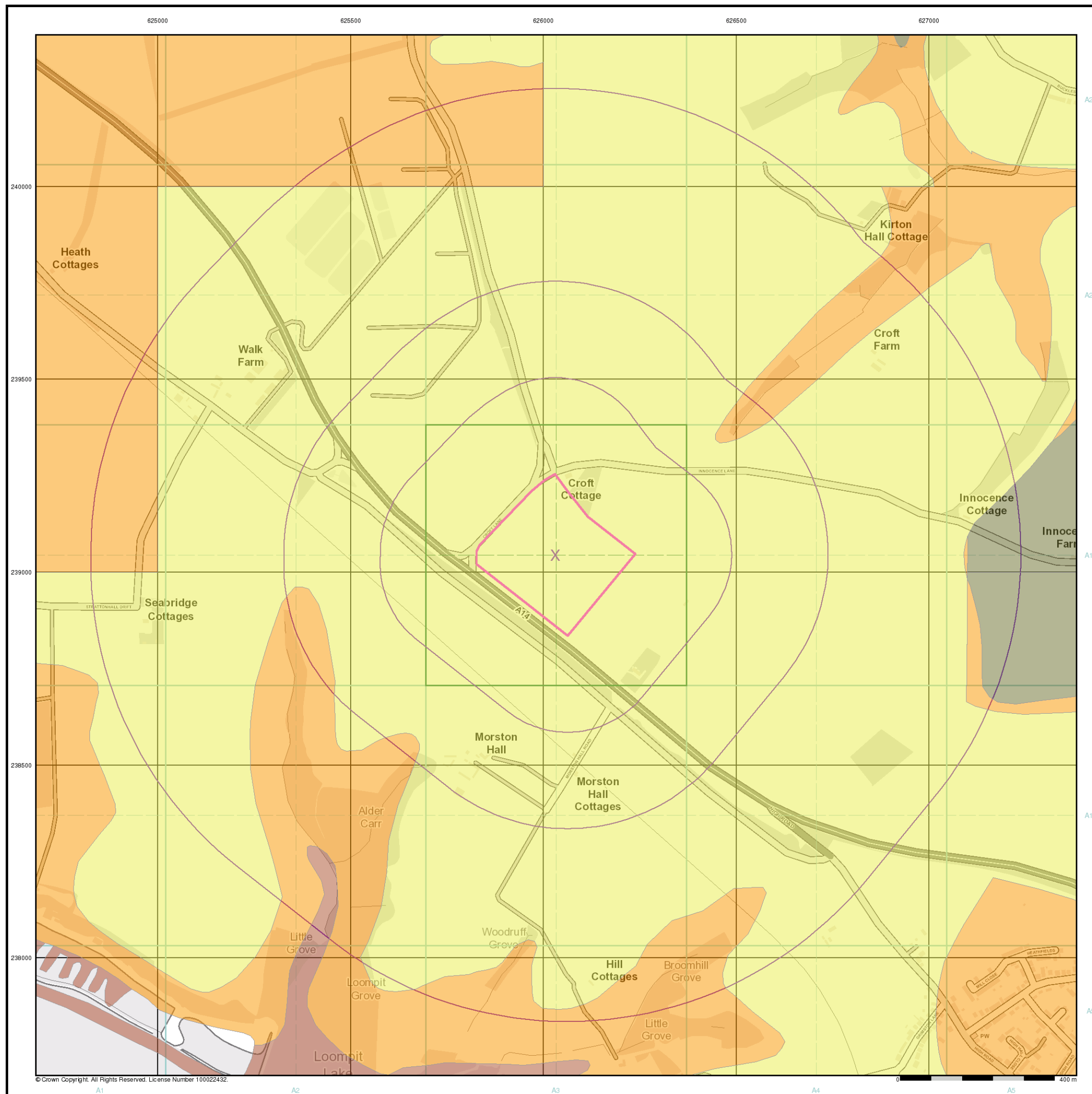


Order Details

Order Details: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

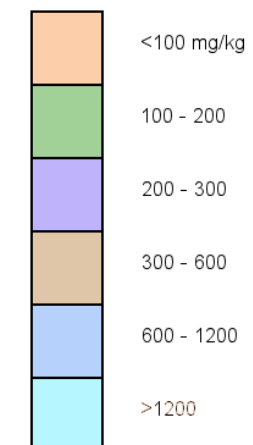


General

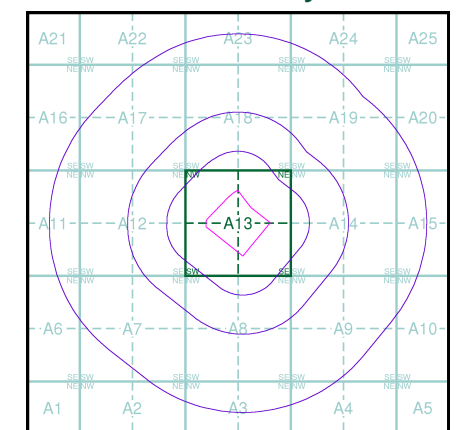
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 176558568_1_1
Customer Ref: 5166065/015
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Slice: A
Site Area (Ha): 8.95
Search Buffer (m): 1000

Site Details

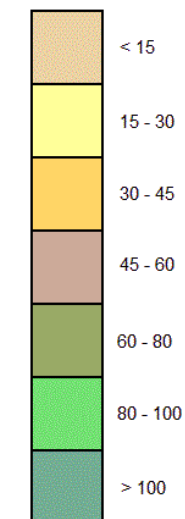
Site at, Levington, Suffolk

General

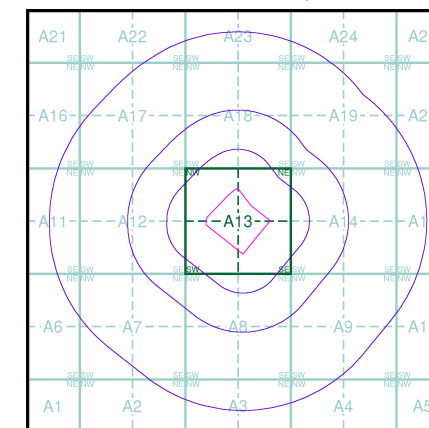
✱ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 1000

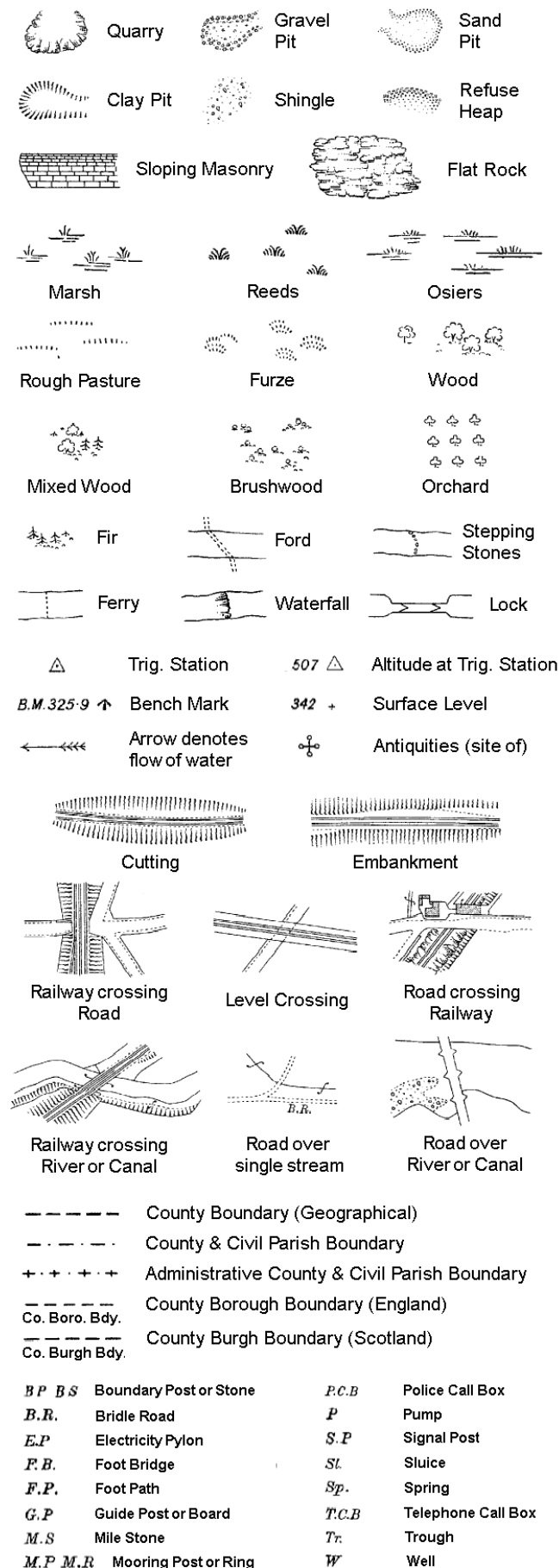
Site Details

Site at, Levington, Suffolk



Historical Mapping Legends

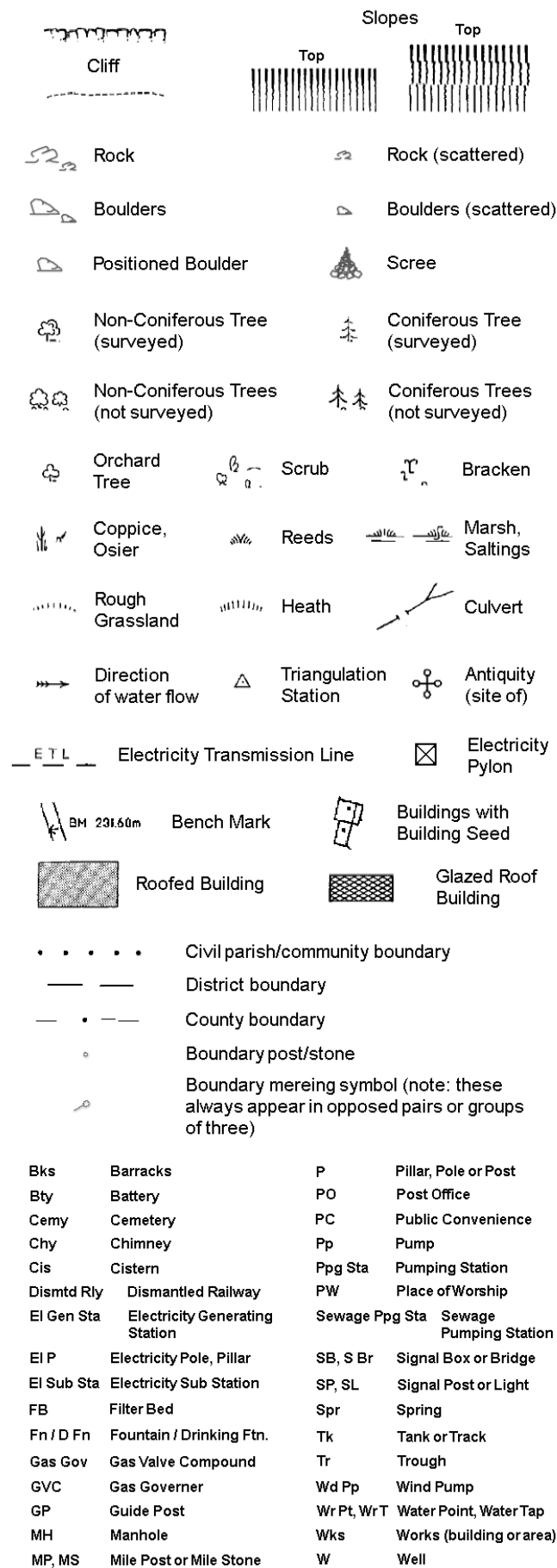
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

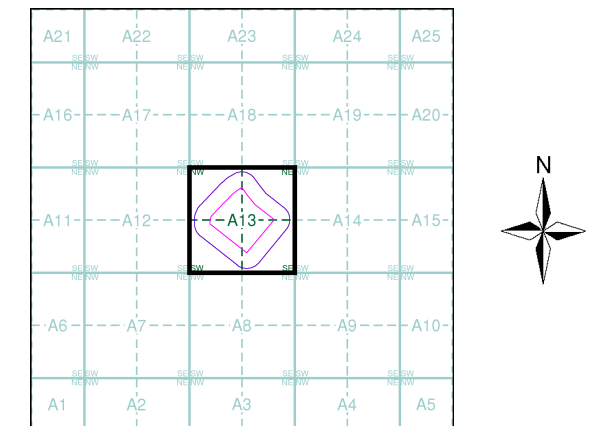


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:2,500	1881	2
Suffolk	1:2,500	1904	3
Suffolk	1:2,500	1926	4
Ordnance Survey Plan	1:2,500	1968	5
Supply of Unpublished Survey Information	1:2,500	1974	6
Ordnance Survey Plan	1:2,500	1975 - 1984	7
Additional SIMs	1:2,500	1983 - 1988	8
Large-Scale National Grid Data	1:2,500	1993	9
Historical Aerial Photography	1:2,500	1999	10

Historical Map - Segment A13



Order Details

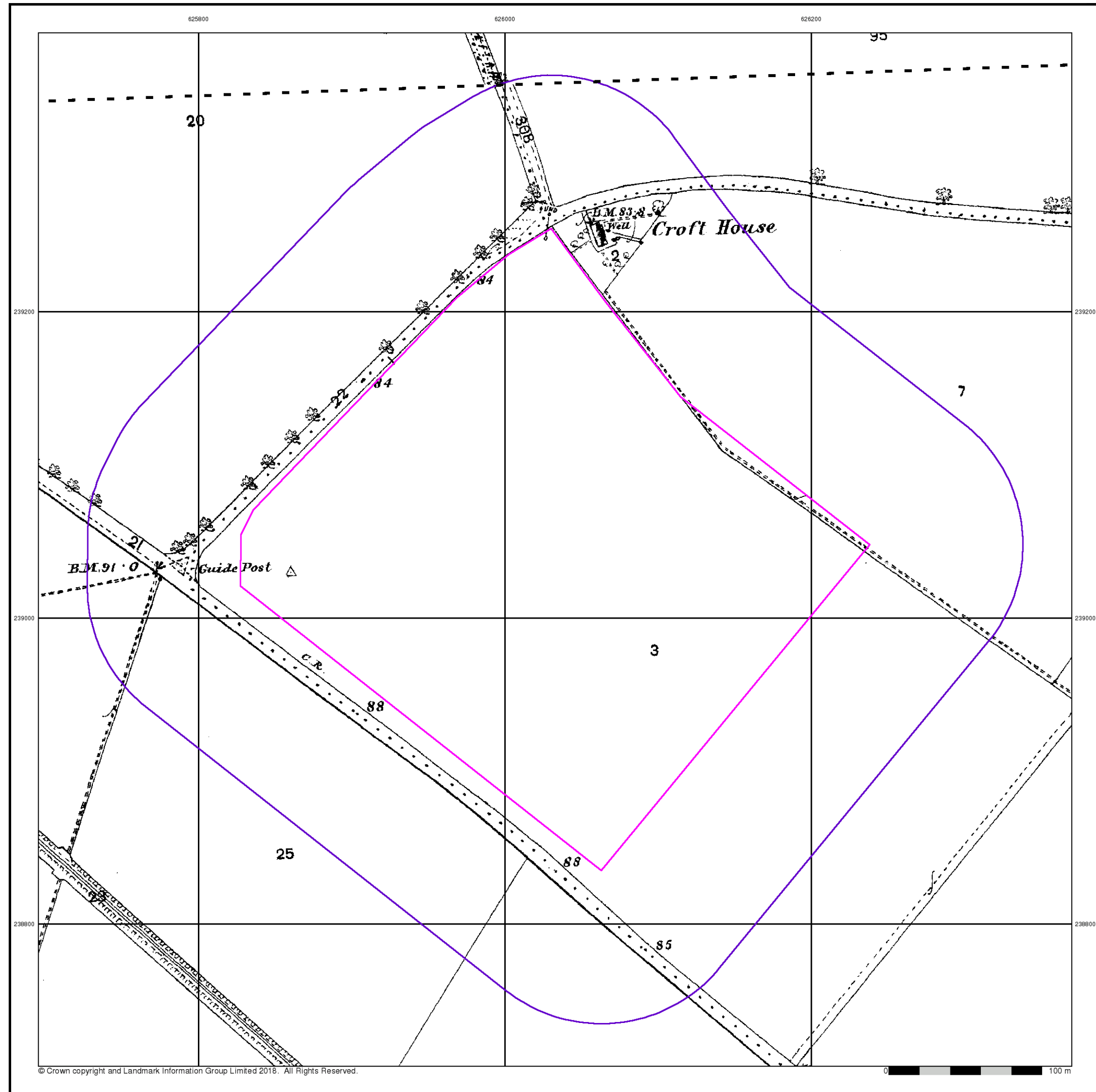
Order Number: 176558568_1_1
Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Slice: A
Site Area (Ha): 8.95
Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk

Landmark
INFORMATION GROUP

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



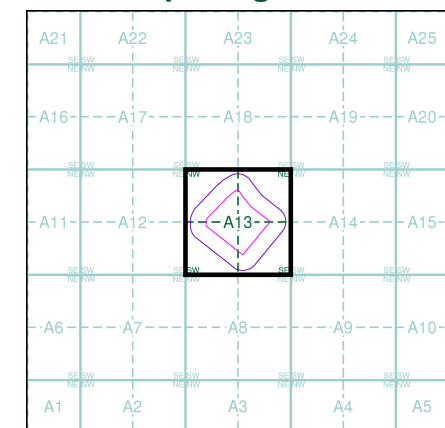
Suffolk
Published 1881
Source map scale - 1:2,500

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)

083_07 1881 1:2,500
083_11 1881 1:2,500

Historical Map - Segment A13



Order Details
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Customer Ref: 5166065/015
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Site Details
Site at, Levington, Suffolk

ATKINS

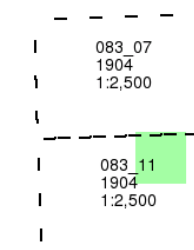
Suffolk

Published 1904

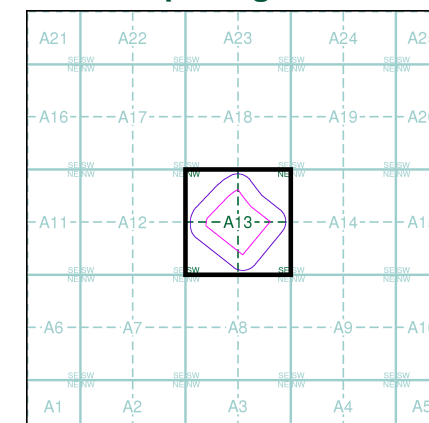
Source map scale - 1:2,500

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 A13



Order Details

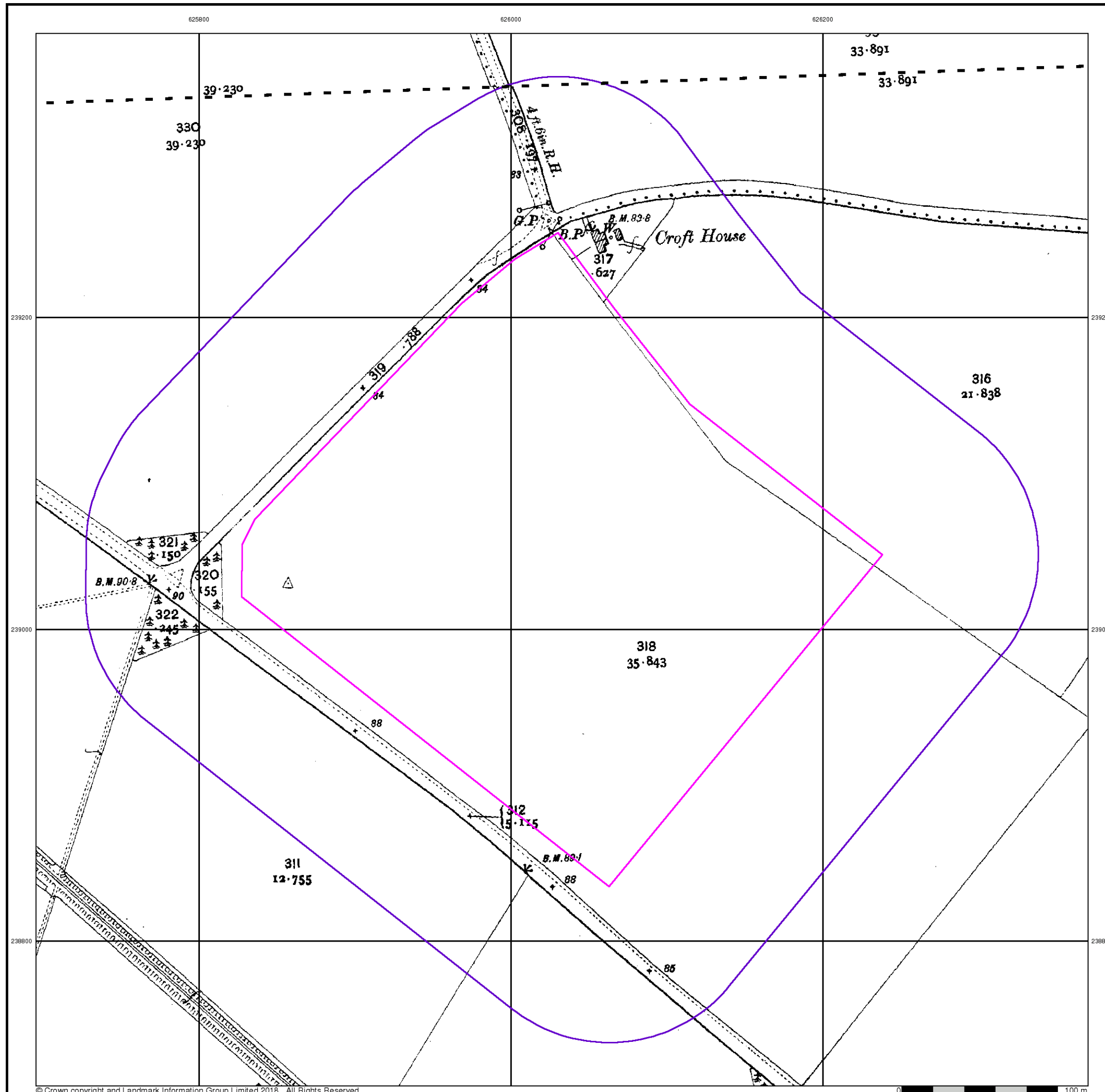
Order Number: 176558568_1_1
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Site at, Levington, Suffolk

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Web: www.envirocheck.co.uk

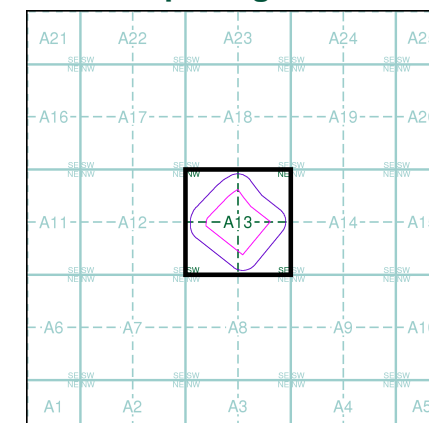


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)

083_07
1926
1:2,500
083_11
1926
1:2,500

Historical Map - Segment A13

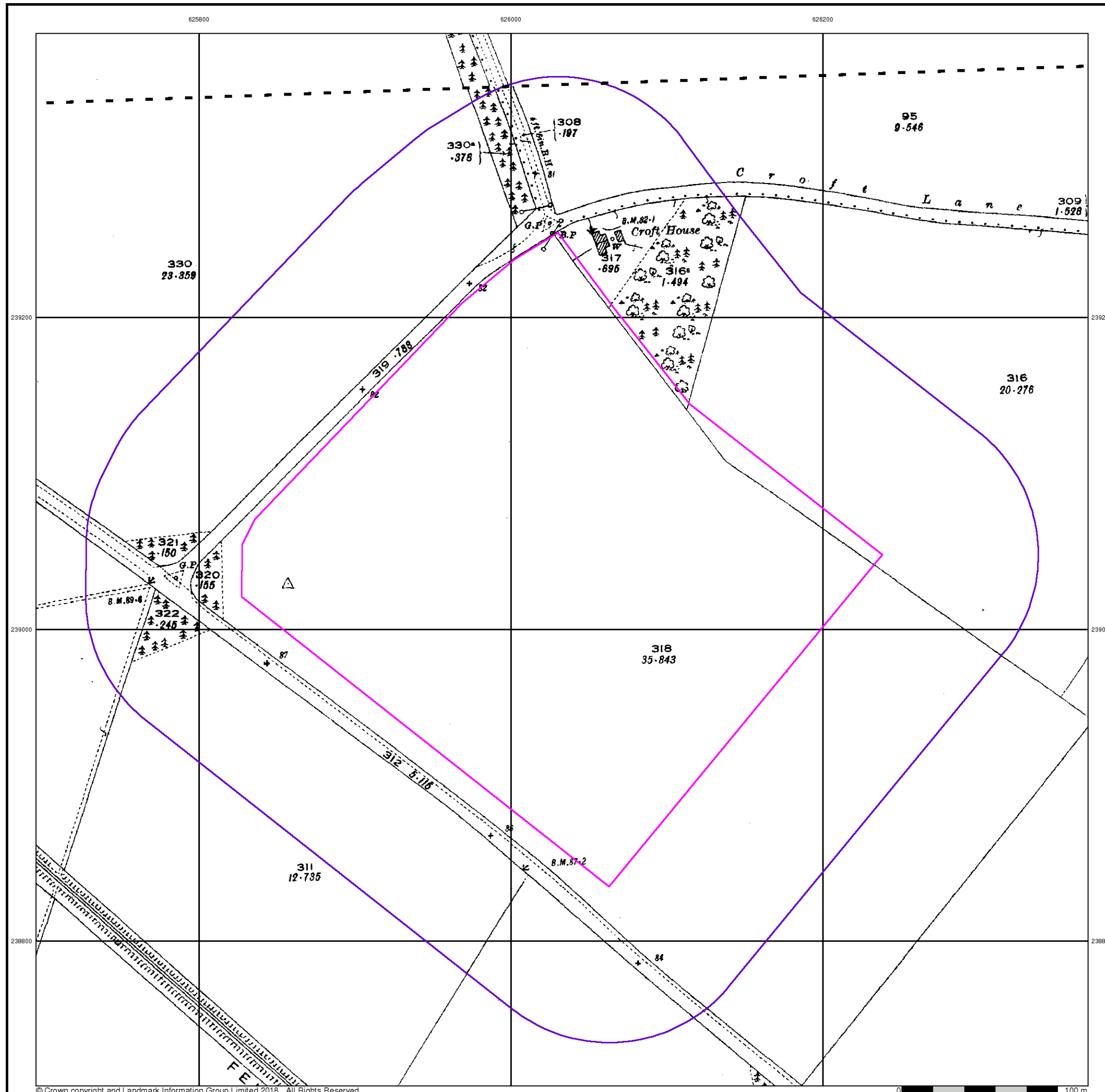


Order Details

Order Number: 176558568_1_1
 Customer Ref: 5166065/015
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 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk





Site at, Levington, Suffolk

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

Supply of Unpublished Survey Information

Published 1974

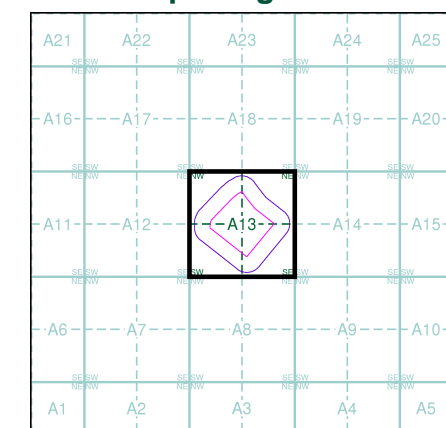
Source map scale - 1:2,500

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)

TM2539 1974 1:2,500	TM2639 1974 1:2,500
TM2538 1974 1:2,500	TM2638 1974 1:2,500

Historical Map - Segment A13

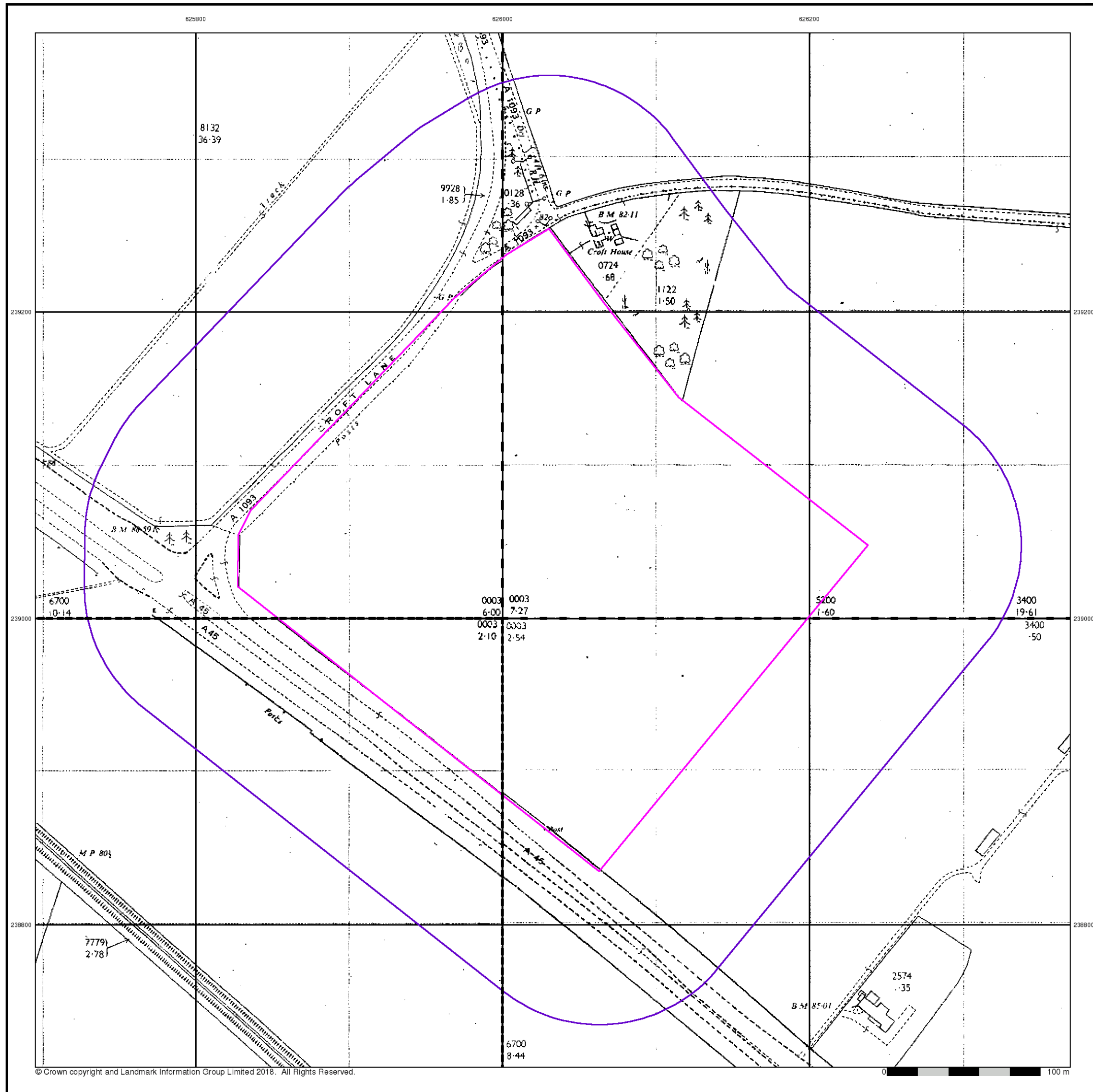


Order Details

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Site Details

Site at, Levington, Suffolk



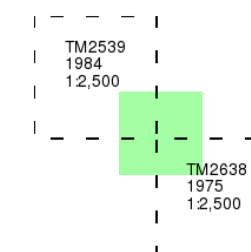
Ordnance Survey Plan

Published 1975 - 1984

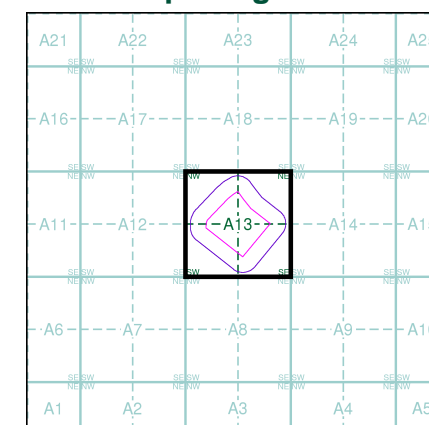
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

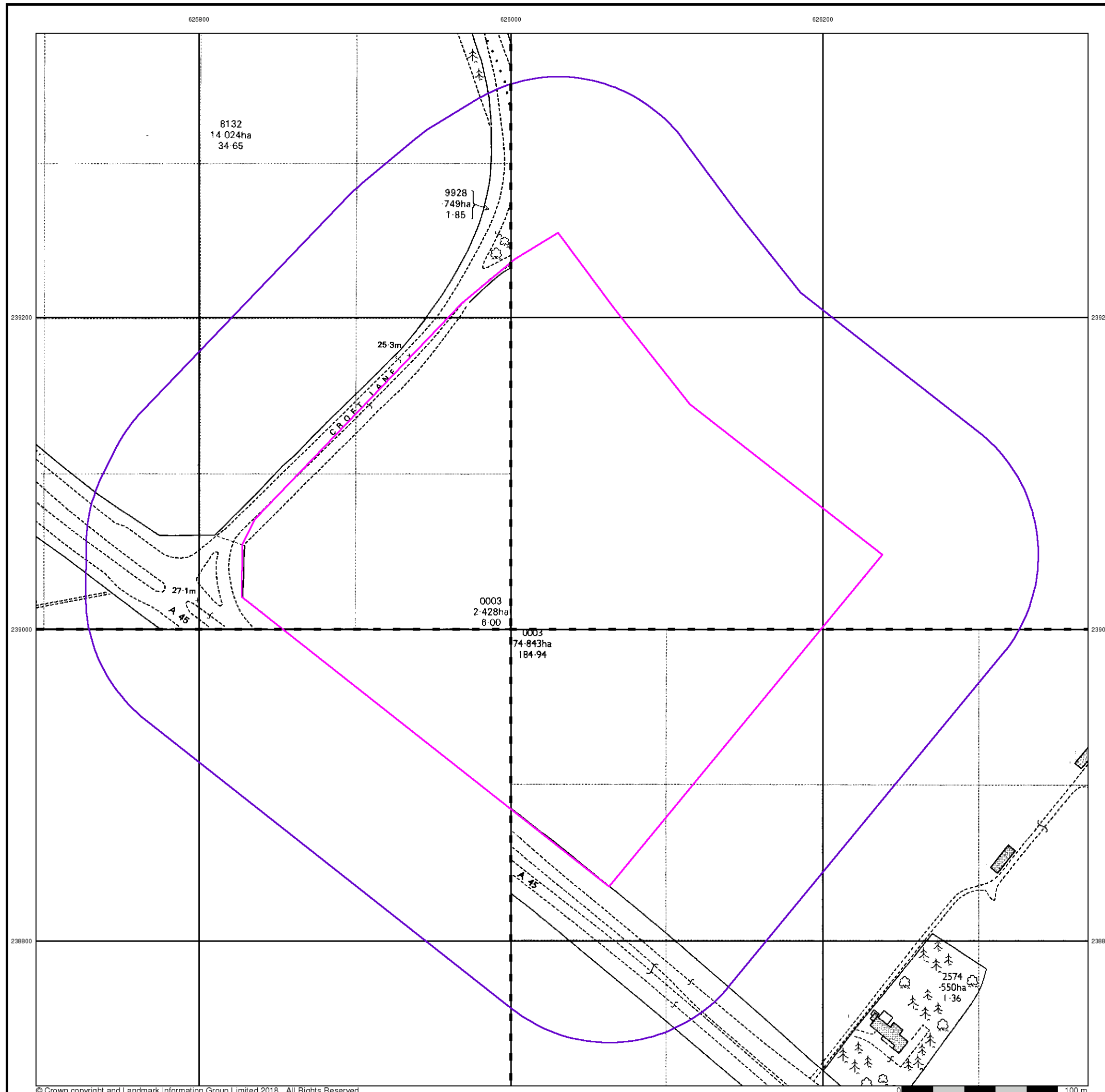


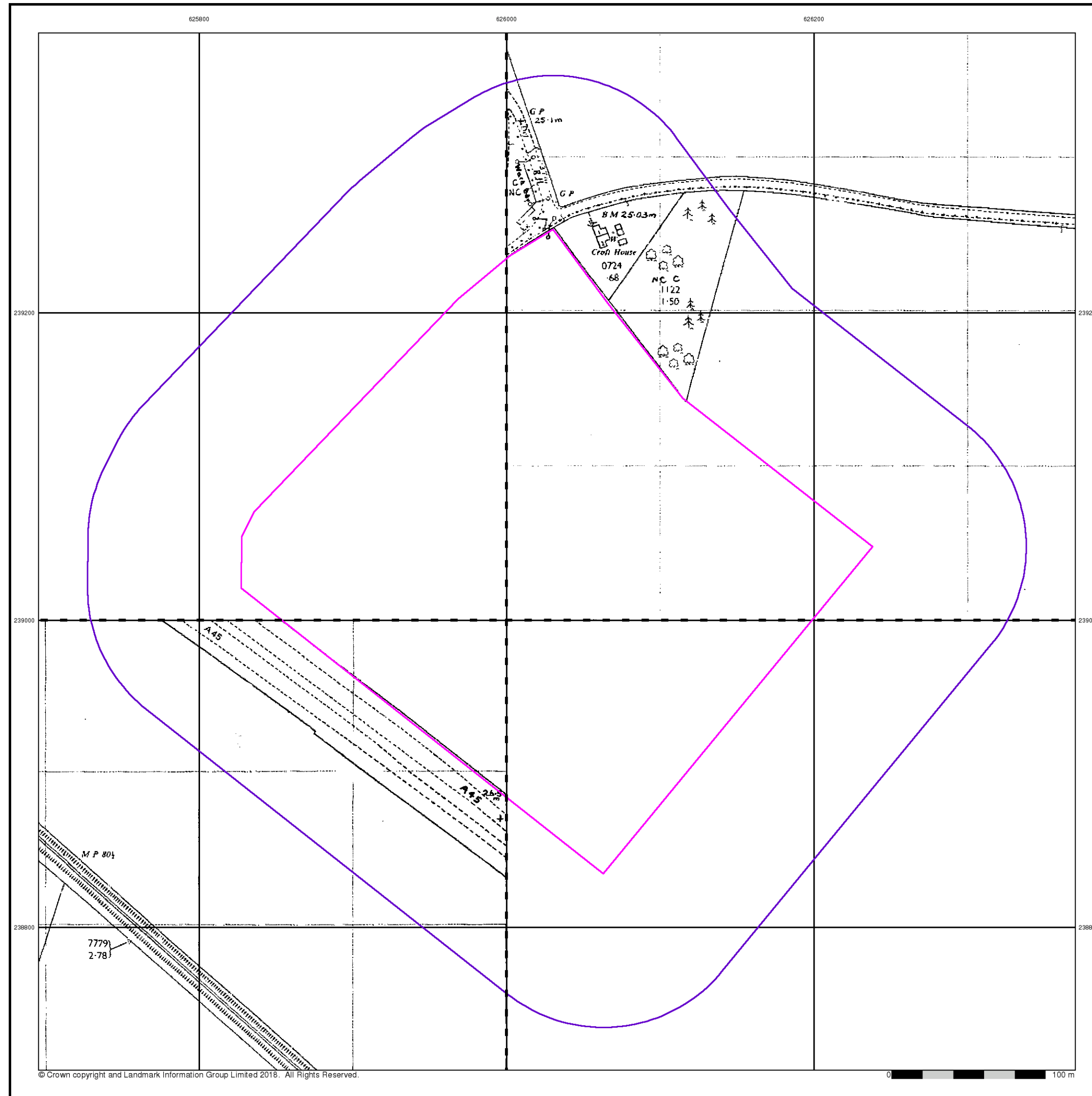
Order Details

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 Site Area (Ha): 8.95
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Site Details

Site at, Levington, Suffolk





ATKINS

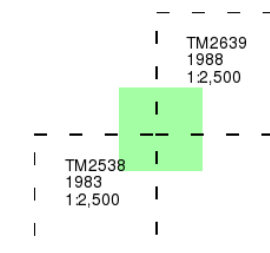
Additional SIMs

Published 1983 - 1988

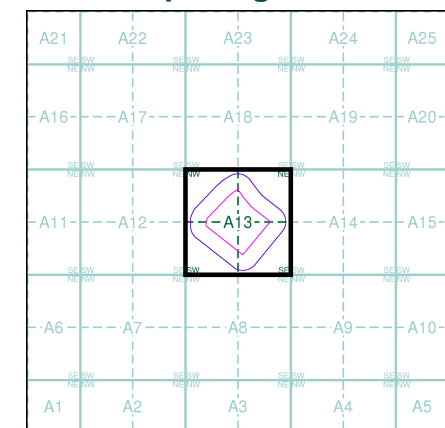
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 176558568_1_1
Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Slice: A
Site Area (Ha): 8.95
Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk

Landmark
INFORMATION GROUP

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

Large-Scale National Grid Data

Published 1993

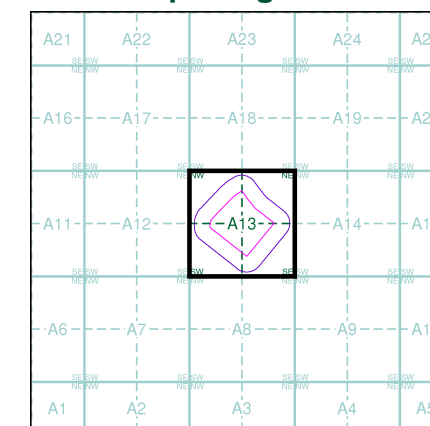
Source map scale - 1:2,500

'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)

TM2539 1993 1:2,500	TM2639 1993 1:2,500
TM2538 1993 1:2,500	TM2638 1993 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
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Site Details

Site at, Levington, Suffolk

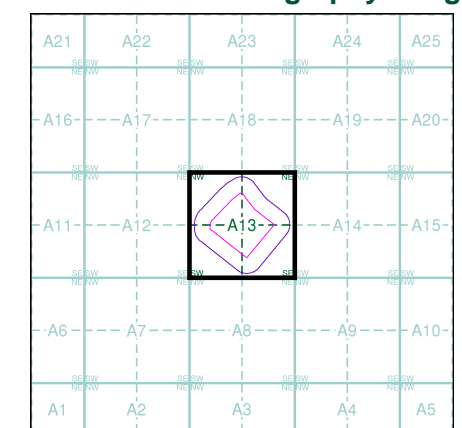


Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13

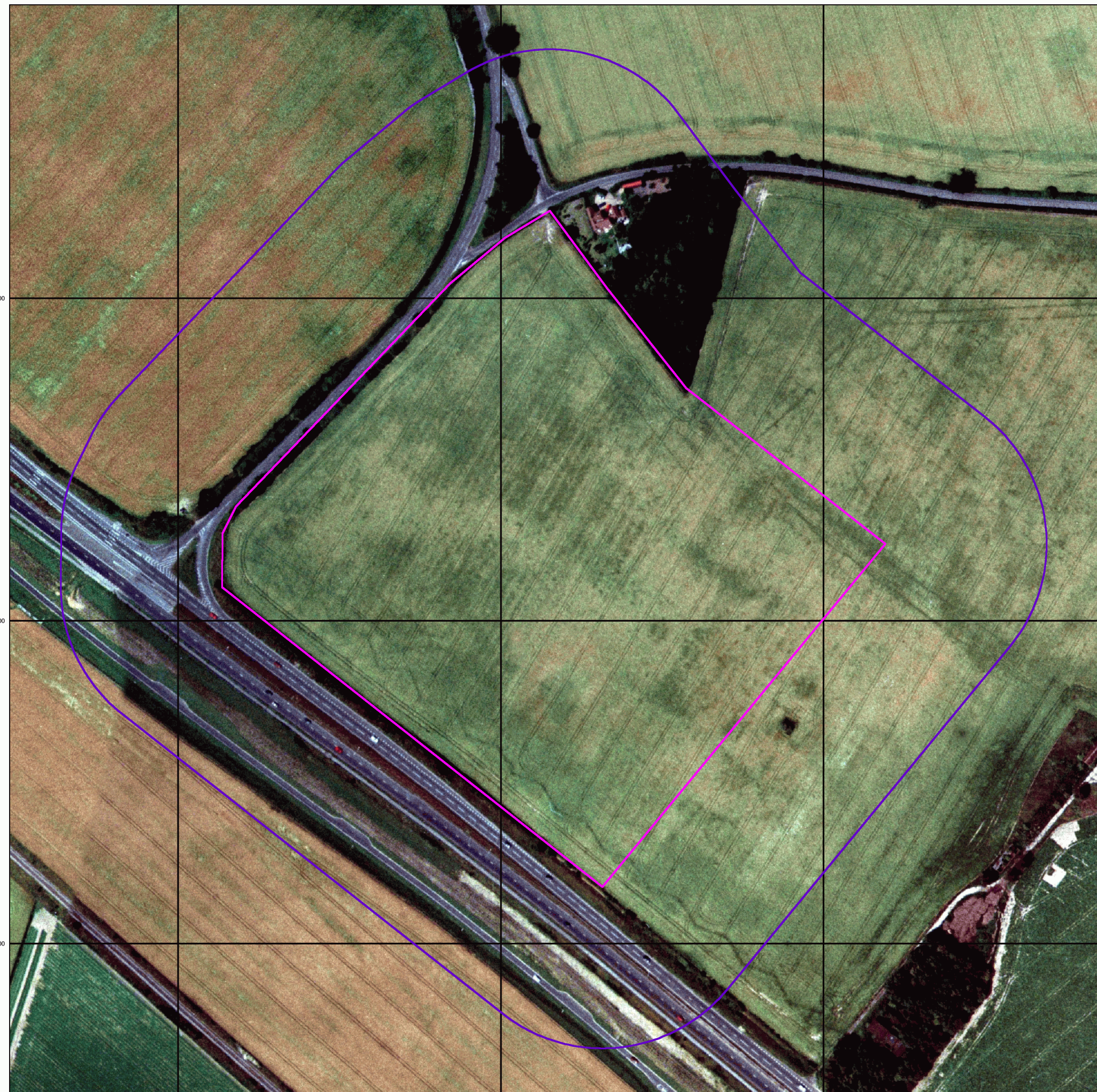


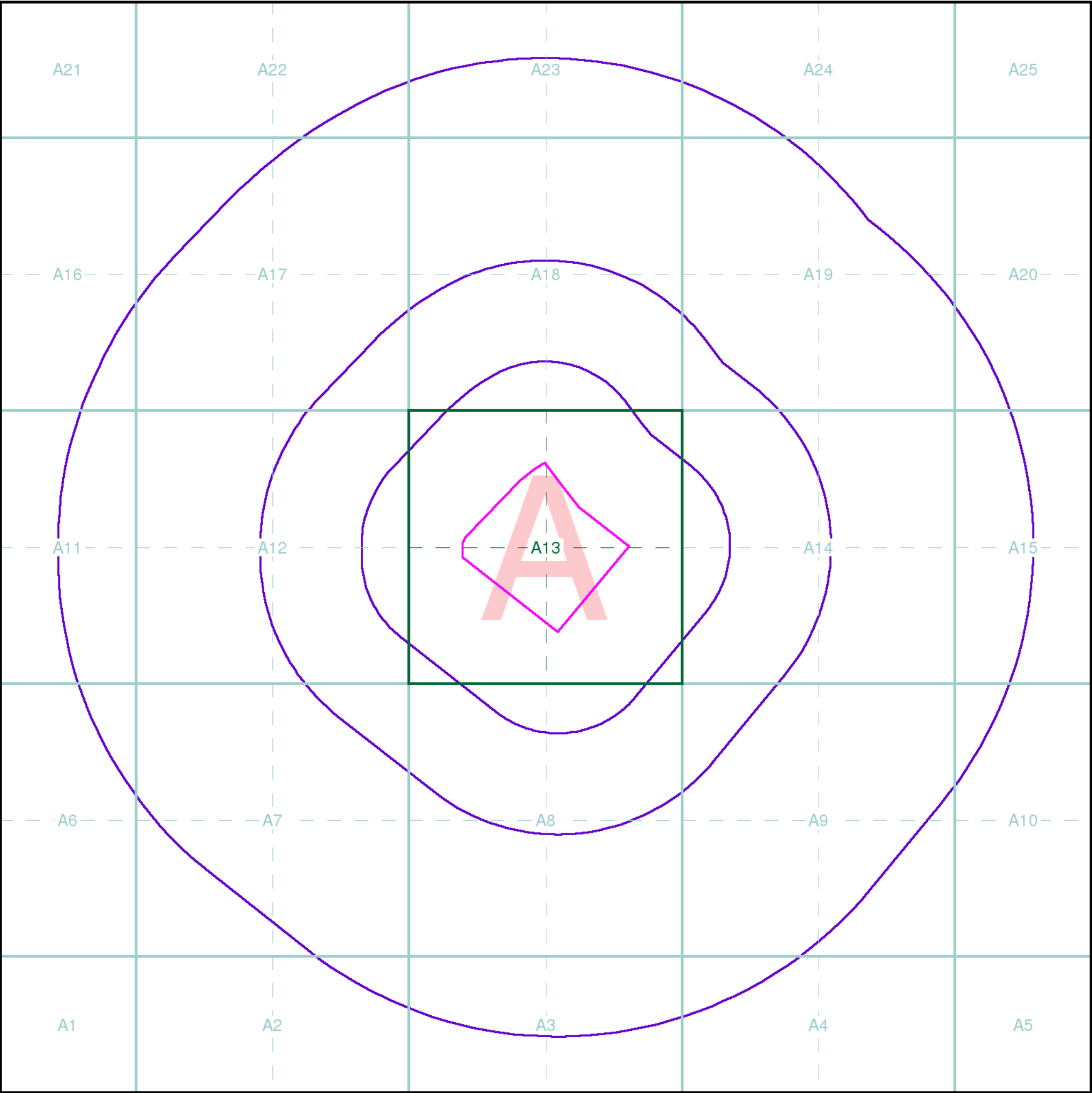
Order Details

Order Number: 176558568_1_1
 Customer Ref: 5166065/015
 National Grid Reference: 626030, 239040
 Slice: A
 Site Area (Ha): 8.95
 Search Buffer (m): 100

Site Details

Site at, Levington, Suffolk





ATKINS

Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mrs C Ellis, Atkins Ltd, The Axis, 10 Holliday Street, Birmingham, B1 1TF

Order Details

Order Number: 176558568_1_1
Customer Ref: 5166065/015
National Grid Reference: 626030, 239040
Site Area (Ha): 8.95
Search Buffer (m): 1000

Site Details

Site at, Levington, Suffolk

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



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

Appendix C. BGS Borehole Logs

TM 23 NE 3

2659 3927

Kirtan, Suffolk

Surface level (+ 25.3 m) + 83 ft

Water struck at (+ 5.5 m) + 18 ft + 19.2 m + 65 ft

Wirth B 1, 8 inch diam.,

December 1968

Overburden (0.3 m) 1 ft

Mineral (11.0 m) 36 ft

Bedrock (0.2 + m) 0.5 + ft

		Thickness (m) ft		Depth (m) ft	
	Soil	(0.3)	1	(0.3)	1
Glacial Sand and Gravel	(a) Pebbly Sand Sand with gravel. Medium to coarse light brown sand passing down into yellow-brown fine sand. Gravel concentrated in upper (0.9 m) 3 ft of deposit, fine, subrounded	(4.6)	15	(4.9)	16
Red Crag	(b) Sand Fine to medium sand, red-brown, occasional flint	(4.6)	15	(9.5)	31
	Medium to coarse shelly sand	(1.8)	6	(11.3)	37
London Clay	Clay	(0.2+)	0.5+	(11.5)	37.5

				Depth below surface (ft)	Percentages						
					Fines		Sand		Gravel		
	%	mm	%		-1/16	+1/16-1/4	+1/4-1	+1-4	+4-16	+16	
(a)	Gravel	7	+ 16	1	1 - 4	3	8	46	23	14	6
			- 16 + 4	6	4 - 7	1	24	62	8	3	2
					7 - 10	No grading information available					
	Sand	91	- 4 + 1	13	10 - 13	2	12	73	11	2	0
			- 1 + 1/4	65	13 - 16	1	10	77	12	0	0
			- 1/4 + 1/16	13							
				British Geological Survey							
	Fines	2	- 1/16	2							
(b)	Gravel	1	+ 16	0	16 - 19	3	54	39	2	2	0
			- 16 + 4	1	19 - 22	1	64	34	1	0	0
					22 - 25	2	63	35	0	0	0
	Sand	96	- 4 + 1	3	25 - 28	2	47	48	3	0	0
			- 1 + 1/4	38	28 - 31	No grading information available					
			- 1/4 + 1/16	55	31 - 34	6	48	34	9	3	0
				34 - 37	No grading information available						
					British Geological Survey						
	Fines	3	- 1/16	3							

<p>Institute of Geological Sciences</p> <p>Mineral Assessment Unit</p> <p>Sand and Gravel Survey</p> <p><u>BOREHOLE RECORD SHEET</u></p>		<p>Borehole Reg. No.: TM. 23 NE 3</p> <p>Temporary designation:</p> <p>Nat. Grid Ref.: 26593927</p> <p>Locality: Kinton, Suffolk.</p> <p>Date: Dec 68</p> <p>Recorded by: [REDACTED]</p>																																
<p>Drilled by: Elmest Ltd.</p> <p>Drill Type: Wirth Bl.</p> <p>Hole diameter: 8"</p> <p>Ground level (O.D.): 83</p> <p>Water struck at (O.D.):</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Horizon</th> <th style="text-align: center;">Thickn. m. ft.</th> <th style="text-align: left;">Nature</th> </tr> <tr> <td>Overburden</td> <td style="text-align: center;">0 0</td> <td></td> </tr> <tr> <td>Mineral</td> <td style="text-align: center;">15</td> <td>Glacial S. & G.</td> </tr> <tr> <td>Baseroack</td> <td style="text-align: center;">21</td> <td>Crags S. & G.</td> </tr> <tr> <td></td> <td></td> <td>London Clay just touched.</td> </tr> </table>	Horizon	Thickn. m. ft.	Nature	Overburden	0 0		Mineral	15	Glacial S. & G.	Baseroack	21	Crags S. & G.			London Clay just touched.	<p>Remarks: Last 3' sample washed off auger. Water struck at 18'</p>																	
Horizon	Thickn. m. ft.	Nature																																
Overburden	0 0																																	
Mineral	15	Glacial S. & G.																																
Baseroack	21	Crags S. & G.																																
		London Clay just touched.																																
<p>Grading Curve (from Sampling Analysis Sheet)</p>	<p>Grading percentages:</p>	<p>Fines</p>	<p>Sand</p>	<p>Gravel</p>																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 20%;">Fines</td> <td style="width: 20%;">Sand</td> <td style="width: 20%;">Gravel</td> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">80</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">60</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">40</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">20</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">0</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Fines	Sand	Gravel		80					60					40					20					0				
	Fines	Sand	Gravel																															
80																																		
60																																		
40																																		
20																																		
0																																		
<p>Mean particle size (mm.)</p> <p style="margin-top: 10px;">1/16 1/8 1 4 16 64</p>																																		
<p>CRAG G.S.G.</p>																																		
Description of Strata		Depth to base ft.	Thickn. ft.	Sample Nos.																														
Top Soil		1	1																															
Sand with gravel. Sand med to coarse, light brown. Gravel coarse, SR. to A.		4	3	(IP 544)																														
Fine sand, yellow-brown, fawn bands; occasional pebble. A. flint.		16	12	(IP 545) Fo (IP 6)																														
Fine to med sand, red-brown. Occasional flint.		31	15	(IP 549) (IP 553)																														
Med to coarse sand shelly sand		37	3	(IP 554)																														
		37	3	Sample lost																														
London Clay		37'	T. +																															

TM 24 SW 27 2367 4074 Levington, Suffolk

Surface (+ 24.4 m) + 80 ft
 Water struck at (+ 17.7 m) 58 ft
 Wirth B1, 8 inch diameter
 October 1968

Overburden (0.3 m) 1 ft
 Mineral (12.8 m) 42 ft
 Bedrock (0.3 m+) 1 ft +

	Soil.	Thickness		Depth	
		(m) (0.3)	ft 1	(m) (0.3)	ft 1
Glacial Sand (a) and Gravel	Sand. Fine to medium sand becoming coarser with depth, whitish-brown to yellow-brown. A trace of fine gravel.	(6.4)	21	(6.7)	22
Red Crag (b)	Sand. Fine to medium red-brown sand with purple manganese staining. A trace of fine gravel.	(1.8)	6	(8.5)	28
	Medium sand, brown with comminuted shells.	(4.6)	15	(13.1)	43
London Clay	Clay.	(0.3+)	1+	(13.4)	44

				Depth below surface (ft)	Fines	Percentages				
						Sand	Gravel			
(a)	Gravel	1% +16 mm	: 0	1 - 4	2	+1/16-1/4	+1/4-1	+1-4	+4-16	+16
		-16 +4	: 1	4 - 7	1	6	80	12	0	0
				7 - 10	0	13	71	11	4	0
British Geological Survey	Sand	98% -4 +1	: 12	10 - 13	2	40	54	2	4	0
		-1 +1/4	: 63	13 - 16	0	35	61	2	0	0
		-1/4 +1/16	: 23	16 - 19	2	33	47	20	0	0
				19 - 22	0	11	67	20	0	0
	Fines	1% -1/16	: 1			24	59	15	2	0
(b)	Gravel	3% +16 mm	: 0	22 - 25	1	14	72	13	0	0
		-16 +4	: 3	25 - 28	0	29	56	13	2	0
				28 - 31	1	27	58	12	2	0
	Sand	95% -4 +1	: 18	31 - 34	3	30	47	17	3	0
		-1 +1/4	: 52	34 - 37	3	30	47	16	4	0
Survey		-1/4 +1/16	: 25	37 - 40	1	32	43	22	2	0
				40 - 43	2	19	38	34	7	0
	Fines	2% -1/16	: 2							

Location IPSWICH SOUTHERN BY-PASS

Record of Borehole No. E

Client C.H. DOBBIE & PARTNERS

Type of boring SHELL AND AUGER

TM 24 SW/10
23792.40
1" 207.Job No. 3P/8057 E
2504 E

Ground level 24.10m A.O.D.

Diameter 150mm to 6.00m

Casing 150mm to 5.50m

Daily Progress	Ground water levels	Depth of casing	Samples			Scale	Strata		Description of strata	Log symbol
			Depth	No.	Type		Depth	Reduced level		
4.5.76	-	-	0.40 0.50 - 0.95 0.50 - 0.95	1 2 3	D DS(14) B		0.30	23.80	TOPSOIL	
	-	-					0.90	23.20	Medium dense dark greyish brown becoming light brown slightly clayey medium and coarse SAND with a little gravel	
	-	-					1.15	22.95	Stiff light brown sandy CLAY	
	-	1.40	1.50 - 1.95 1.50 - 1.95	4 5	DS(30) B				Dense orange brown well graded SAND with a little well graded subangular to rounded gravel	
	-	2.40	2.50 - 2.95	6	BC(27)		2.10	22.00	Medium dense orange brown well graded SAND and well graded subangular to rounded GRAVEL	
	-	3.40	3.50 - 3.95	7	BC(20)					
	-	4.40	4.35 4.50 - 4.95 4.50 - 4.95	8 9 10	D DS(25) B		4.30 4.40	19.80 19.70	Strong dark orange brown coarse grained SANDSTONE	
	-	5.50	5.55 - 6.00 5.55 - 6.00	11 12	DS(23) B				Medium dense dark brown fine and medium SAND	
(6.00)	DRY	5.50					6.00	18.10	BOREHOLE COMPLETE	
Key			Remarks							
U... undisturbed 102mm diameter sample			Water added from 0.50m to 6.00m							
D... disturbed jar sample										
B... disturbed bulk sample										
W... water sample										
S().. standard penetration test										
C().. cone penetration test										
(33).. number of blows ('N' value)										
X... groundwater encountered										

**GROUND
ENGINEERING
LIMITED**

Location IPSWICH SOUTHERN BY-PASS

Record of Borehole No.E

British Geological Survey

British Geological Survey

Client C.H. DOBBIE & PARTNERS

Type of boring SHELL AND AUGER

TM 24 SW/107
23991.4052
1"207Job No. 3P/8057 E
2504 E

Ground level 27.00m A.O.D.

Diameter 150mm to 6.00m

Casing 150mm to 5.50m

Daily Progress	Ground water levels	Depth of casing	Samples			Scale	Strata		Description of strata	Lithology
			Depth	No.	Type		Depth	Reduced level		
5.76	-	-	0.40	1	D	-	0.30	26.70	TOPSOIL	
	-	-	0.50 - 0.95	2	DS(21)				Medium dense becoming dense light brown mottled grey slightly clayey fine and medium SAND with scattered well graded subangular to rounded gravel.	
	-	1.40	0.50 - 0.95	3	B					
	-	1.40	1.50 - 1.95	4	DS(29)					
	-	1.40	1.50 - 1.95	5	B					
	-	2.40	2.50 - 2.95	6	DS(31)		2.75	24.25		
	-	2.40	2.50 - 2.95	7	B				Medium dense orange brown well graded SAND with some well graded angular to rounded gravel.	
	-	3.40	3.50 - 3.95	8	BC(22)					
	-	4.40	4.50 - 4.95	9	BC(28)					
	-	5.50	5.55 - 6.00	10	DS(29)		5.25	21.75	Medium dense dark orange brown fine and medium SAND	
	-	5.50	5.55 - 6.00	11	B					
(6.00)	DRY	5.50					6.00	21.00	BOREHOLE COMPLETE	
			Key U.... undisturbed 102mm diameter sample D.... disturbed jar sample B.... disturbed bulk sample W.... water sample S().. standard penetration test C().. cone penetration test (33).. number of blows ('N' value) X... groundwater encountered							
			Remarks Water added from 0.50m to 6.00m							

**GROUND
ENGINEERING
LIMITED**

Appendix D. Zetica UXO Map

UNEXPLODED BOMB RISK MAP



SITE LOCATION

Map Centre: 624701,240139



LEGEND

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

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

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

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

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

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

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

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

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

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

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

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

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

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682

email: uxo@zetica.com

web: www.zeticauxo.com

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

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

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

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

Appendix E. Definitions of Probability and Consequence

Table D.1 - Risk estimation - classification of probability

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

Table D.2 - Risk estimation - classification of consequence

Classification	Definition of consequence
Human Health Receptors – Site end user or other sensitive receptor	
Severe	Acute damage to human health based on the effects on the critical human receptor. Concentrations of contaminants above appropriate site-specific assessment criteria. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Medium	Chronic damage to human health based on the effects on the critical human receptor. Concentrations of contaminants above appropriate site-specific assessment criteria. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Mild	No appreciable impact on human health based on the potential effects on the critical human receptor. Concentrations of contaminants above generic assessment criteria but below appropriate site-specific assessment criteria.
Minor	No appreciable impact on human health based on the effects on the critical human receptor. Concentrations of contaminants below appropriate generic assessment criteria.
Human Health Receptors – Site construction workers	
Severe	Exposure to hazardous substances resulting in a reportable death, major injury, 3-day injury or illness/disease under RIDDOR.
Medium	Exposure to hazardous substances resulting in a dangerous occurrence reportable under RIDDOR. Exposure to hazardous substances resulting in exceedance of a workplace exposure limit.
Mild	Exposure to hazardous substances resulting in limited effects such as headache, dizziness, nausea. Exposures below the workplace exposure limits. Not reportable under RIDDOR.
Minor	Minor exposure to hazardous substance resulting in no appreciable ill health effects.

Controlled Water Receptors

Severe	Pollution of a Principal Aquifer within a source protection zone or potable supply characterised by a breach of drinking water standards. Pollution of a surface water course characterised by a breach of an Environmental Quality Standard (EQS) at a statutory monitoring location or resulting in a change in General Quality Assessment (GQA) grade of river reach. Discharge of a List I or List II substance to groundwater. Pollution meets Part 2A Contaminated Land Statutory Guidance definition.
Medium	Pollution of a Principal Aquifer outside a source protection zone or a Secondary A Aquifer characterised by a breach of drinking water standards. Pollution of an industrial groundwater abstraction or irrigation supply that impairs its function. Substantial pollution but insufficient to result in a change in the GQA grade of river reach Pollution meets Part 2A Contaminated Land Statutory Guidance definition.
Mild	Low levels of pollution of a Principal Aquifer outside a source protection zone or an industrial abstraction, or pollution of a Secondary Aquifer. Low levels of pollution insufficient to result in a change in the GQA grade of river reach, pollution of a surface water course without a quality classification.
Minor	No appreciable pollution, or pollution of a low sensitivity receptor such as a non-aquifer or a surface water course without a quality classification

Property Receptors – Buildings, Foundations and Services


Severe	Catastrophic damage to buildings, such as explosion. Catastrophic failure of foundations and services. Substantial damage to a Scheduled Monument significantly impairing the by reason of which the monument is scheduled. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Medium	Substantial damage to buildings and foundations rendering the structures unsafe. Substantial damage to services impairing their function. Significant damage to a Scheduled Monument significantly impairing the reason of which the monument is scheduled. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Mild	Significant damage to buildings and foundations but not resulting in them being unsafe for occupation. Damage to services but not sufficient to impair their function. Damage to a Scheduled Monument but no significant impairment to the reason of which the monument is scheduled.
Minor	Easily repairable damage to buildings, foundations and services.


Property Receptors – Crops and Livestock and Ecological Receptors

Severe	Substantial loss in the value of crops or domestically-grown produce. Death to livestock, domesticated animals or wild animals subject to shooting or fishing rights. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Medium	Substantial diminution in yield (over 20% reduction) of crops or domestically-grown produce. Serious disease or other serious physical damage to livestock, domesticated animals or wild animals subject to shooting or fishing rights. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Mild	Harm to crops but not resulting in a substantial loss in value or diminution in yield (less than 20% reduction). Limited harm in terms of disease or other physical damage to livestock, domesticated animals or wild animals subject to shooting or fishing rights.
Minor	No appreciable harm, or harm to a low sensitivity receptor.

Appendix F. Site Visit Photographs

Date: 20/03/19	Project: Sizewell C Site Walkover, Freight Management Facility – Seven Hills (Option 1)
Comments	
View of the east of the site, looking north-east from Felixstowe Road towards the A14.	

Date: 20/03/19	Project: Sizewell C Site Walkover, Freight Management Facility – Seven Hills (Option 1)
Comments	
View of the west of the site, looking north-west from Felixstowe Road towards the A14.	

Date: 20/03/19	Project: Sizewell C Site Walkover, Freight Management Facility – Innocence Farm (Option 2)
Comments	
View across the centre of the site looking south from Croft Lane towards the A14.	

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Fax: +44 (0)121 483 5252

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VOLUME 8, CHAPTER 11, APPENDIX 11B: CONCEPTUAL SITE MODELS

Contents

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Table 1.3: Removal and reinstatement phase conceptual site model.....	8

Plates

None provided.

Figures

None provided.

1. Conceptual Site Models

Table 1.1: Construction phase conceptual site model.

Source	Receptor		Contaminant Exposure / Migration Pathway.	Baseline			Construction with Primary and Tertiary mitigation.			Secondary Mitigation Measures.	Construction with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
<p>On Site:</p> <p>Made Ground associated with the construction of Felixstowe Road as well as activities associated with their operation:</p> <p>A range of inorganic and organic contaminants including the potential for asbestos. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates.</p> <p>Farmland within site boundary.</p> <p>Potential for unmapped farmers tips:</p> <p>Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, Polychlorinated Biphenyls (PCBs), asbestos, etc.</p>	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--	<p>Intrusive ground investigation undertaken post planning to inform the detailed design and confirm the ground conditions and contamination status of the site including soil and groundwater sampling and monitoring.</p> <p>Remediation of soil and groundwater contamination prior to construction (e.g. source removal, treatment or capping) if deemed necessary.</p>	Receptor not present.	--	--
		Users of Felixstowe Road.	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/ vapours.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--		Receptor not present.	--	--
		Construction / maintenance workers.		Receptor not present.	--	--	Low likelihood.	Minor	Very low risk.		Unlikely ¹	Minor	Very low risk.
		Users of the new freight management facility.		Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
	Human health: Off-site.	Residents in adjacent properties and users of neighbouring commercial properties.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Pedestrians accessing surrounding roads and footpaths.	Inhalation of contaminants in soil-derived dust, fibres and gas/ vapours which may have migrated off-site.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Farmers and workers on agricultural land.		Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
	Controlled Waters.	Secondary A superficial aquifer and Principal Bedrock aquifer.	Leaching/ migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Low likelihood.	Medium	Moderate/ low Risk.		Unlikely	Mild	Very low risk.
			Migration of contaminated water	Unlikely	Medium	Low risk.	Low likelihood.	Medium	Moderate/ low Risk.		Unlikely	Mild	Very low risk.

¹ It has been assumed that all construction workers will adhere to site working practices, including use of appropriate personal protective equipment (PPE).

Source	Receptor		Contaminant Exposure / Migration Pathway.	Baseline			Construction with Primary and Tertiary mitigation.			Secondary Mitigation Measures.	Construction with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
			through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.										
		Ponds within 500 study area.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
			Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
	Property / Services.	Existing on-site services and structures.	Direct contact of contaminants in soil and/ or groundwater with buried service.	Unlikely	Mild	Very low risk.	Low likelihood.	Mild	Low risk.		Unlikely	Minor	Very low risk.
			Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Mild	Very low risk.	Low likelihood.	Mild	Low risk.		Unlikely	Minor	Very low risk.
		Existing off-site services and structures (including burial mounds).	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Future on-site services and structures.	Direct contact of contaminants in soil and/ or groundwater with buried services.	Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
			Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--

Source	Receptor		Contaminant Exposure / Migration Pathway.	Baseline			Construction with Primary and Tertiary mitigation.			Secondary Mitigation Measures.	Construction with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
		Crops / livestock (on-site).	Migration of contaminated waters/ dust/ fibres and subsequent uptake by crops or ingestion/ inhalation/ dermal contact by livestock.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--		Receptor not present.	--	--
		Crops / livestock (off-site).		Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
Off-site Made Ground associated with the construction of the roads including A14, Felixstowe Road and local roads adjacent to the site, as well as activities associated with their operation. Made Ground associated with the construction of the Felixstowe Branch line and activities associated with its operation.	Human health: On-site.	Farmers/ workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil-derived dust and water. Inhalation of contaminants in soil-derived dust, fibres and gas/ vapours.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--		Receptor not present.	--	--
		Users of Felixstowe Road.		Unlikely	Minor	Very low risk.	Receptor not present.	--	--		Receptor not present.	--	--
		Construction / maintenance workers.		Receptor not present.	--	--	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Users of the new freight management facility.		Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
Former gravel pits located 150m west, 200m north and 400m north-east likely to be infilled. Unregistered refuse tip (Skouldings Pit) located 200m north. Farmland within 500m of the site.	Controlled Waters.	Secondary A superficial aquifer and Principal Bedrock aquifer.	Leaching/ migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Low likelihood.	Medium	Moderate/ 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.	Low likelihood.	Medium	Moderate/ low Risk.		Unlikely	Medium	Low risk.
A range of organic contaminants including hydrocarbons, oils, PCBs, Polycyclic Aromatic Hydrocarbons (PAHs),	Property / services.	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.

Source	Receptor		Contaminant Exposure / Migration Pathway.	Baseline			Construction with Primary and Tertiary mitigation.			Secondary Mitigation Measures.	Construction with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
solvents and creosote; metal, herbicides, pesticides, silage, effluent, asbestos, etc. Potential for vapour and / or ground gas generation.		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
		Crops/ livestock (on-site).	Migration of contaminated waters/ dust/ fibres and subsequent uptake by crops or ingestion/ inhalation / dermal contact by livestock.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--		Receptor not present.	--	--

Table 1.2: Operation phase conceptual site model.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline			Operation with Primary and Tertiary Mitigation proposed (assumed all mitigation during construction is undertaken).			Operation with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.
<p>On-site:</p> <p>Made Ground associated with the construction of Felixstowe Road as well as activities associated with their operation:</p> <p>A range of inorganic and organic contaminants including the potential for asbestos. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates.</p> <p>Farmland within site boundary. Potential for unmapped farmers tips:</p> <p>Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.</p>	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--	Receptor not present.	--	--
		Users of Felixstowe Road.	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapours.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Construction / maintenance workers.		Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely ²	Minor	Very low risk.
		Users of the new freight management facility.		Receptor not present.	--	--	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
	Human health: Off-site.	Residents in adjacent properties and users of neighbouring commercial properties.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Pedestrians accessing surrounding roads and footpaths.	Inhalation of contaminants in soil-derived dust, fibres and gas/vapours which may have migrated off-site.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Farmers and workers on agricultural land.		Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
	Controlled Waters.	Secondary A Superficial aquifer and Principal Bedrock aquifer.	Leaching/ migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
		Ponds within 500m	Lateral migration of contaminated groundwater with discharge to	Unlikely	Minor	Very low	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low

² It has been assumed that all construction workers will adhere to site working practices, including use of appropriate PPE.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline			Operation with Primary and Tertiary Mitigation proposed (assumed all mitigation is undertaken).			Operation with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.
		of the site.	surface watercourses as base flow.			risk.						risk.
			Discharge of contaminants entrained in groundwater and/ or surface water run-off followed by overland flow and discharge.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
	Property services. /	Existing on-site services and structures.	Direct contact of contaminants in soil and/ or groundwater with buried service.	Unlikely	Mild	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.	Unlikely	Mild	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Existing off-site services and structures (including burial mounds).	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
			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.
		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Receptor not present.	--	--	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
			Migration of contaminated waters/ dust/ fibres and subsequent uptake by crops or ingestion/ inhalation/ dermal contact by livestock.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--	Receptor not present.	--	--
		Crops / livestock (on-site).		Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Crops / livestock (off-site).		Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
Off-site: Made Ground associated with the construction of the roads including A14, Felixstowe Road and local roads adjacent to the site, as well as activities associated with their operation.	Human health: On-site.	Farmers/ workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil-derived dust and water. Inhalation of contaminants in soil-derived dust, fibres and gas/ vapours.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--	Receptor not present.	--	--
		Users of Felixstowe Road.		Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Construction / maintenance workers.		Receptor not present.	--	--	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline			Operation with Primary and Tertiary Mitigation proposed (assumed all mitigation during construction is undertaken).			Operation with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.
<p>Made Ground associated with the construction of the Felixstowe Branch line and activities associated with its operation.</p> <p>Former gravel pits Located 150m west, 200m north and 400m north-east likely to be infilled.</p> <p>Unregistered refuse tip (Skouldings Pit) located 200m north.</p> <p>Farmland within 500m of the site.</p> <p>A range of organic contaminants including hydrocarbons, oils, PCBs, PAHs, solvents and creosote; metal, herbicides, pesticides, silage, effluent, asbestos, etc. Potential for vapour and / or ground gas generation.</p>		Users of the new freight management facility.		Receptor not present.	--	--	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
	Controlled Waters.	Secondary A Superficial aquifer and Principal Bedrock aquifer.	Leaching/ migration 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.
	Property / services.	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Receptor not present.	--	--	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Crops / livestock (on-site).	Migration of contaminated waters/ dust/ fibres and subsequent uptake by crops or ingestion/ inhalation/ dermal contact by livestock.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--	Receptor not present.	--	--

Table 1.3: Removal and reinstatement phase conceptual site model.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline			Removal and Reinstatement with Primary and Tertiary Mitigation.			Secondary Mitigation Measures.	Removal and Reinstatement with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
<p>On-site:</p> <p>Made Ground associated with the construction of Felixstowe Road as well as activities associated with their operation:</p> <p>A range of inorganic and organic contaminants including the potential for asbestos. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates.</p> <p>Farmland within site boundary. Potential for unmapped farmers tips:</p> <p>Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.</p>	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.	<p>Intrusive ground investigation undertaken post operation including soil and groundwater sampling and monitoring.</p> <p>Remediation of soil and groundwater contamination prior to construction (e.g. source removal, treatment or capping) if deemed necessary.</p>	Unlikely	Minor	Very low risk.
		Users of Felixstowe Road.	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/ vapours.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Construction / maintenance workers.		Receptor not present.	--	--	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Users of the new freight management facility.		Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
	Human health: Off-site.	Residents in adjacent properties and users of neighbouring commercial properties.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Pedestrians accessing surrounding roads and footpaths.	Inhalation of contaminants in soil-derived dust, fibres and gas/ vapours which may have migrated off-site.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Farmers and workers on agricultural land.		Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
	Controlled Waters.	Secondary A Superficial aquifer and Principal Bedrock aquifer.	Leaching/ migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Low likelihood.	Medium	Moderate/ low Risk.		Unlikely	Mild	Very low risk.
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Low likelihood.	Medium	Moderate/ low Risk.		Unlikely	Mild	Very low risk.
		Ponds within 500m of the site.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Mild	Very low risk.
			Discharge of	Unlikely	Minor	Very low risk.	Low	Minor	Very low risk.		Unlikely	Minor	Very low risk.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline			Removal and Reinstatement with Primary and Tertiary Mitigation.			Secondary Mitigation Measures.	Removal and Reinstatement with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
	Property services /	Existing on-site services and structures.	contaminants entrained in surface water run-off followed by overland flow and discharge.			risk.	likelihood.		risk.				risk.
			Direct contact of contaminants in soil and/ or groundwater with buried service.	Unlikely	Mild	Very low risk.	Low likelihood.	Mild	Low risk.		Unlikely	Minor	Very low risk.
			Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Mild	Very low risk.	Low likelihood.	Mild	Low risk.		Unlikely	Minor	Very low risk.
			Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Existing off-site services and structures (including burial mounds).	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
			Direct contact of contaminants in soil and/ or groundwater with buried services.	Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
			Migration of contaminated waters/ dust/ fibres and subsequent uptake by crops or ingestion/ inhalation/ dermal contact by livestock.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--		Receptor not present.	--	--
		Crops / livestock (on-site).	Migration of contaminated waters/ dust/ fibres and subsequent uptake by crops or ingestion/ inhalation/ dermal contact by livestock.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Crops / livestock (off-site).	Migration of contaminated waters/ dust/ fibres and subsequent uptake by crops or ingestion/ inhalation/ dermal contact by livestock.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
Off-site: Made Ground associated with the construction of the roads including A14, Felixstowe Road and local roads adjacent to the site, as well as activities associated	Human health: On-site.	Farmers / workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil-derived dust and water.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Users of Felixstowe Road.	Inhalation of contaminants in soil-derived dust, fibres and gas/ vapours.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Construction / maintenance workers.	Inhalation of contaminants in soil-derived dust, fibres and gas/ vapours.	Receptor not present.	--	--	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
		Users of the new	Inhalation of contaminants in soil-derived dust, fibres and gas/ vapours.	Receptor	--	--	Receptor	--	--		Receptor	--	--

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline			Removal and Reinstatement with Primary and Tertiary Mitigation.			Secondary Mitigation Measures.	Removal and Reinstatement with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
with their operation.		freight management facility.		not present.			not present.				not present.		
Made Ground associated with the construction of the Felixstowe Branch line and activities associated with its operation.	Controlled Waters.	Secondary A Superficial aquifer and Principal Bedrock aquifer.	Leaching/ migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Low likelihood.	Medium	Moderate/ 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.	Low likelihood.	Medium	Moderate/ low risk.		Unlikely	Mild	Very low risk.
Former gravel pits Located 150m west, 200m north and 400m north-east likely to be infilled.													
Unregistered refuse tip (Skouldings Pit) located 200m north	Property/ services.	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Unlikely	Minor	Very low risk.	Low likelihood.	Minor	Very low risk.		Unlikely	Minor	Very low risk.
Farmland within 500m of the site		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/ or vapours along strata and preferential pathways.	Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
A range of organic contaminants including hydrocarbons, oils, PCBs, PAHs, solvents and creosote; metal, herbicides, pesticides, silage, effluent, asbestos, etc. Potential for vapour and/ or ground gas generation.		Crops/ livestock (on-site).	Migration of contaminated waters/ dust/ fibres and subsequent uptake by crops or ingestion/ inhalation/ dermal contact by livestock.	Unlikely	Minor	Very low risk.	Receptor not present.	--	--		Receptor not present.	--	--



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None provided.

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None provided.

1. Impact Assessment Tables

Table 1.1: Construction phase impact assessment.

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

¹ Removal of this receptor at construction automatically triggers a minor beneficial effect. However, professional judgement has been exercised and this effect has been reduced to negligible.

² Introduction of this receptor at operation automatically triggers a minor adverse effect. However, professional judgement has been exercised and this effect has been reduced to negligible.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline (Current) Risk Assessment.	Construction Phase Risk Assessment (with Primary and Tertiary Mitigation Measures).	Classification of Effect.	Secondary Mitigation Measures.	Construction Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
		Ponds within study area.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
			Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
	Property/ services.	Existing on-site and structures.	Direct contact of contaminants in soil and/or groundwater with buried services.	Very low risk.	Low risk.	Minor adverse		Very low risk.	Negligible
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Very low risk.	Low risk.	Minor adverse		Very low risk.	Negligible
		Existing off-site services and structures (including burial mounds).	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
			Direct contact of contaminants in soil and/or groundwater with buried services.	Receptor present.	Receptor not present.	Negligible		Receptor not present.	Negligible
		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Receptor present.	Receptor not present.	Negligible		Receptor not present.	Negligible
			Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Receptor not present.	Negligible ¹		Receptor not present.	Negligible ¹
		Crops/Livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Crops/Livestock (off-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
Off-site: Made Ground associated with the construction of the roads including A14, Felixstowe Road and local roads adjacent to the site, as well as	Human health: On-site	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Very low risk.	Receptor not present.	Negligible ¹		Receptor not present.	Negligible ¹
		Users of Felixstowe Road.		Very low risk.	Receptor not present.	Negligible ¹		Receptor not present.	Negligible ¹

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline (Current) Risk Assessment.	Construction Phase Risk Assessment (with Primary and Tertiary Mitigation Measures).	Classification of Effect.	Secondary Mitigation Measures.	Construction Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
<p>activities associated with their operation.</p> <p>Made Ground associated with the construction of the Felixstowe Branch line and activities associated with its operation.</p> <p>Former gravel pits Located 150m west, 200m north and 400m north-east likely to be infilled.</p> <p>Unregistered refuse tip (Skouldings Pit) located 200m north.</p> <p>Farmland within 500m of the site.</p> <p>A range of organic contaminants including hydrocarbons, oils, PCBs, Polycyclic Aromatic Hydrocarbons (PAHs), solvents and creosote; metal, herbicides, pesticides, silage, effluent, asbestos, etc. Potential for vapour and/or ground gas generation.</p>		Construction/maintenance workers.	Inhalation of contaminants in soil, soil-derived dust and vapours.	Receptor present. not	Very low risk.	Negligible ³		Very low risk.	Neutral ³
		Users of the new freight management facility.		Receptor present. not	Receptor not present.	Negligible		Receptor not present.	Negligible
	Controlled Waters.	Secondary A superficial aquifer and Principal Bedrock aquifer.	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Low risk.	Moderate/low Risk.	Minor adverse.		Low risk.	Negligible
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Moderate/low Risk.	Minor adverse.		Low risk.	Negligible
	Property/ services.	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Receptor present. not	Receptor not present.	Negligible		Receptor not present.	Negligible
		Crops/Livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Receptor not present.	Negligible ⁴		Receptor not present.	Neutral ⁵

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

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

Table 1.2: Operational phase impact assessment.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline (Current) Risk Assessment.	Operation Phase Risk Assessment (with Primary and Tertiary Mitigation Measures Assuming All Mitigation Proposed During Construction is Undertaken).	Classification of Effect.	Operational Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
On-site: Made Ground associated with the construction of Felixstowe Road as well as activities associated with their operation: A range of inorganic and organic contaminants including the potential for asbestos. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates. Farmland within site boundary. Potential for unmapped farmers tips: Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Very low risk.	Receptor not present.	Negligible ⁵	Receptor not present.	Neutral ⁶
		Users of Felixstowe Road.	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapours.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Construction/maintenance workers.		Receptor not present.	Very low risk.	Negligible ⁶	Very low risk.	Neutral ⁸
		Users of the new freight management facility.		Receptor not present.	Very low risk.	Negligible	Very low risk.	Neutral ⁸
	Human health: Off-site.	Residents in adjacent properties and users of neighbouring commercial properties.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Pedestrians accessing surrounding roads and footpaths.	Inhalation of contaminants in soil-derived dust, fibres and gas/vapours which may have migrated off-site.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Farmers and workers on agricultural land.		Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
	Controlled Waters.	Secondary A superficial aquifer and Principal Bedrock aquifer.	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Low Risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.

⁵ Removal of this receptor at operation automatically triggers a minor beneficial effect. However, professional judgement has been exercised and this effect has been reduced to negligible.

⁶ Introduction of this receptor at operation automatically triggers a minor adverse effect. However, professional judgement has been exercised and this effect has been reduced to negligible.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline (Current) Risk Assessment.	Operation Phase Risk Assessment (with Primary and Tertiary Mitigation Measures Assuming All Mitigation Proposed During Construction is Undertaken).	Classification of Effect.	Operational Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
		Ponds within 500m of the site.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
			Discharge of contaminants entrained in groundwater and/or surface water run-off followed by overland flow and discharge.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
	Property/ services.	Existing on-site services and structures.	Direct contact of contaminants in soil and/or groundwater with buried services.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Existing off-site services and structures (including burial mounds).	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Future on-site services and structures.	Direct contact of contaminants in soil and/or groundwater with buried services.	Receptor not present.	Very low risk.	Negligible ⁷	Very low risk.	Neutral ¹¹
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Receptor not present.	Very low risk.	Neutral ¹¹	Very low risk.	Neutral ¹¹
		Crops/Livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Receptor not present.	Negligible ⁸	Receptor not present.	Neutral ¹²

⁷ Introduction of this receptor at operation automatically triggers a minor adverse effect. However, professional judgement has been exercised and this effect has been reduced to negligible.

⁸ Removal of this receptor at operation automatically triggers a minor beneficial effect. However, professional judgement has been exercised and this effect has been reduced to negligible.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline (Current) Risk Assessment.	Operation Phase Risk Assessment (with Primary and Tertiary Mitigation Measures Assuming All Mitigation Proposed During Construction is Undertaken).	Classification of Effect.	Operational Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
		Crops/Livestock (off-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
Off-site: Made Ground associated with the construction of the roads including A14, Felixstowe Road and local roads adjacent to the site, as well as activities associated with their operation. Made Ground associated with the construction of the Felixstowe Branch line and activities associated with its operation. Former gravel pits Located 150m west, 200m north and 400m north- east likely to be infilled. Unregistered refuse tip (Skouldings Pit) located 200m north. Farmland within 500m of the site. A range of organic contaminants including hydrocarbons, oils, PCBs, PAHs, solvents and creosote; metal, herbicides, pesticides, silage, effluent, asbestos, etc. Potential for vapour and/or ground gas generation.	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Very low risk.	Receptor not present.	Neutral ¹²	Receptor not present.	Neutral ¹²
		Users of Felixstowe Road.	Inhalation of contaminants in soil-derived dust, fibres and gas/vapours.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Construction/mainte nance workers.		Receptor not present.	Very low risk.	Neutral ¹¹	Very low risk.	Neutral ¹¹
		Users of the new freight management facility.		Receptor not present.	Very low risk.	Neutral ¹¹	Very low risk.	Neutral ¹¹
	Controlled Waters.	Secondary A superficial aquifer and Principal Bedrock aquifer.	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Low risk.	Low risk.	Negligible	Low risk.	Negligible
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Low risk.	Negligible	Low risk.	Negligible
	Property/ services.	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Receptor not present.	Very low risk.	Neutral ¹¹	Very low risk.	Neutral ¹¹
		Crops/Livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Receptor not present.	Neutral ¹²	Receptor not present.	Neutral ¹²

Table 1.3: Removal and reinstatement phase impact assessment.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline (Current) Risk Assessment.	Removal and Reinstatement Phase Risk Assessment (with Primary and Tertiary Mitigation Measures).	Classification of Effect.	Secondary Mitigation.	Removal and Reinstatement Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
On-site: Made Ground associated with the construction of Felixstowe Road as well as activities associated with their operation: A range of inorganic and organic contaminants including the potential for asbestos. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates. Farmland within site boundary. Potential for unmapped farmers tips: Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Very low risk.	Very low risk.	Negligible	Intrusive ground investigation undertaken post operation including soil and groundwater sampling and monitoring. Remediation of soil and groundwater contamination prior to construction (e.g. source removal, treatment or capping) if deemed necessary.	Very low risk.	Negligible
		Users of Felixstowe Road.	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapours.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Construction/maintenance workers.		Receptor not present.	Very low risk.	Neutral ¹¹		Very low risk.	Neutral ¹¹
		Users of the new freight management facility.		Receptor not present.	Receptor not present.	Negligible		Receptor not present.	Negligible
	Human health: Off-site.	Residents in adjacent properties and users of neighbouring commercial properties.	Dermal contact with and ingestion of contaminants in soil-derived dust and water which may have migrated off-site. Inhalation of contaminants in soil-derived dust, fibres and gas/vapours which may have migrated off-site.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Pedestrians accessing surrounding roads and footpaths.		Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Farmers and workers on agricultural land.		Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
	Controlled Waters.	Secondary A superficial aquifer and Principal Bedrock aquifer.	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Low risk.	Moderate/low risk.	Minor adverse.		Very low risk.	Minor beneficial.
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Moderate/low risk.	Minor adverse.		Very low risk.	Minor beneficial.
		Ponds within 500m of the site.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline (Current) Risk Assessment.	Removal and Reinstatement Phase Risk Assessment (with Primary and Tertiary Mitigation Measures).	Classification of Effect.	Secondary Mitigation.	Removal and Reinstatement Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
	Property/ services.	Existing on-site services and structures.	Discharge of contaminants entrained in groundwater and/or surface water run-off followed by overland flow and discharge.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
			Direct contact of contaminants in soil and/or groundwater with buried services.	Very low risk.	Low risk.	Minor adverse.		Very low risk.	Negligible
		Existing off-site services and structures (including burial mounds).	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Low risk.	Minor adverse.		Very low risk.	Negligible
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Future on-site services and structures.	Direct contact of contaminants in soil and/or groundwater with buried services.	Receptor present.	Receptor not present.	Negligible		Receptor not present.	Negligible
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Receptor present.	Receptor not present.	Negligible		Receptor not present.	Negligible
		Crops/Livestock (on- site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Receptor not present.	Negligible ⁹		Receptor not present.	Neutral ¹³
		Crops/Livestock (off- site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible

⁹ Removal of this receptor at operation automatically triggers a minor beneficial effect. However, professional judgement has been exercised and this effect has been reduced to negligible.

Source	Receptor		Contaminant Exposure/ Migration Pathway.	Baseline (Current) Risk Assessment.	Removal and Reinstatement Phase Risk Assessment (with Primary and Tertiary Mitigation Measures).	Classification of Effect.	Secondary Mitigation.	Removal and Reinstatement Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
Off-site: Made Ground associated with the construction of the roads including A14, Felixstowe Road and local roads adjacent to the site, as well as activities associated with their operation. Made Ground associated with the construction of the Felixstowe Branch line and activities associated with its operation. Former gravel pits Located 150m west, 200m north and 400m north-east likely to be infilled. Unregistered refuse tip (Skouldings Pit) located 200m north. Farmland within 500m of the site. A range of organic contaminants including hydrocarbons, oils, PCBs, PAHs, solvents and creosote; metal, herbicides, pesticides, silage, effluent, asbestos, etc. Potential for vapour and/or ground gas generation.	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Users of Felixstowe Road.	Inhalation of contaminants in soil-derived dust, fibres and gas/vapours.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Construction/maintenance workers.		Receptor present. not	Very low risk.	Negligible ¹⁰		Very low risk.	Neutral ¹⁴
		Users of the new freight management facility.		Receptor present. not	Receptor not present.	Negligible		Receptor not present.	Negligible
	Controlled Waters.	Secondary A superficial aquifer and Principal Bedrock aquifer.	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Low risk.	Moderate/low Risk.	Minor adverse.		Low risk.	Negligible
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Moderate/low Risk.	Minor adverse.		Low risk.	Negligible
	Property/ services	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk	Negligible		Very low risk.	Negligible
		Future on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Receptor not present	Receptor not present.	Negligible		Receptor not present.	Negligible
		Crops/Livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk	Receptor not present.	Negligible ¹¹		Receptor not present.	Neutral ¹⁵

¹⁰ Introduction of this receptor at operation automatically triggers a minor adverse effect. However, professional judgement has been exercised and this effect has been reduced to negligible.

¹¹ Removal of this receptor at operation automatically triggers a minor beneficial effect. However, professional judgement has been exercised and this effect has been reduced to negligible.