



Phase I Geoenvironmental Assessment

Moat Farm, Bury Road, Thorpe Morieux, Suffolk

Mr Neville Warnes

c/o Wincer Kievenaar

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Prepared for Mr Neville Warnes c/o Wincer Kievenaar
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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY	
Project Details	Green Earth Management Company Limited (GEMCO) was commissioned by Wincer Kievenaar on behalf of Mr Neville Warnes (the Client) to undertake a Phase I geoenvironmental assessment for a proposed development site at Moat Farm, Bury Road, Thorpe Morieux, Suffolk, IP30 0NR. The assessment is required in support of a planning application to convert 3 (no.) existing barn / out building structures to residential usage.
Site Location / Description	The Site comprised a number of former farm buildings around a gravelled entrance driveway, including the barns for conversion. The buildings were of timber frame or brick construction timber or corrugated metal sheet cladding and tile, corrugated metal sheet and cement sheet roofing. To the north there was a house and gardens and a pond, with a larger pond (moat) wrapping around the side and back of the house. To the west there was a further barn appearing to be used for horticultural nursery type activities. To the south-west and south was further garden area and to the east Bury Road. The wider surrounding area was dominantly agricultural land. No evidence of potentially significant contamination or contaminative features were identified during the walkover (aside from potential asbestos cement sheet roofing, but no fragments or other storage). The whole area was very well kept and tidy. No fuel tanks were noted.
Site History	The Site has been developed with farm buildings since at least the 1880s. The two buildings for conversion to the south of the driveway were present from this time, with the third added in the 1970s and extended in the 1990s to its current configuration. There were formerly further buildings on the west side of the Site south of the driveway from the 1880s to the 1990s and a pond on the south side of the Site was filled in by the 1990s. The house to the immediate north, the moat and the pond north of the Site entrance were also present by the 1880s. The house was extended, and the moat truncated at its south end where it may originally have encroached into the Site by the 1990s.
Published Geology	Superficial: Lowestoft Formation diamicton. Bedrock: Crag Group sand.
Hydrogeology	Superficial: Secondary (Undifferentiated) Aquifer. Bedrock: Principal Aquifer. The Site is in a Zone 3 (Total Catchment) groundwater Source Protection Zone (SPZ).
Hydrology	There is a pond to the immediate north of the Site entrance and a larger pond (moat) to the west side of the house (off-site) and wrapping around the rear (north) of the house. There is a ditch across the road outside the Site entrance running parallel with the road to the south. The River Brett appears to be the nearest significant stream / river. A tributary of this is around 330m east of the Site at its closest, with the River Brett around 450m to the south-east at its closest.

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Environmental Database Search	<ul style="list-style-type: none"> No environmental permits, pollution incidents or register entries likely to significantly impact the Site were identified. No significant landfill or other waste sites were identified. No potentially significant industrial or commercial processes were identified. The Site is within Nitrate Vulnerable Zones for groundwater and surface water.
Preliminary Conceptual Site Model	<p>The preliminary conceptual site model is presented in Table 4.2. In summary, the following potential contamination sources were identified:</p> <ul style="list-style-type: none"> PPL A: Development of the farm buildings, entrance track etc, and infill of ponds. PPL B: General farming, horticultural and residential usage. <p>The principal sensitive receptors identified were future residents, site users and neighbours, and construction workers; the superficial Secondary (undifferentiated) aquifer, bedrock Principal aquifer and surface waters; buildings and buried services.</p> <p>On the basis of the available information the preliminary (Tier 1) risk assessment identified a number of plausible pollutant linkages (PPL). The following potential Moderate / Low or Low / Moderate risks were identified:</p> <ul style="list-style-type: none"> Future residents: Direct contact with soils, ingestion of soils, inhalation of soil dusts or asbestos fibres, etc. associated with contamination arising from development of the farm buildings, entrance track etc and infill of ponds (PPLA-1-a); and general farming, horticultural and residential usage (PPLB-1-a) Ground Gas Risk / Future residents: ingress of ground gases or hazardous vapours arising from contamination associated with contamination arising from development of the farm buildings, entrance track etc and infill of ponds (PPLA-2-a); and general farming, horticultural and residential usage (PPLB-2) Buried services: risks associated with contamination arising from development of the farm buildings, entrance track etc and infill of ponds (PPLA-4-g); and general farming, horticultural and residential usage (PPLB-4-g)
Conclusions and Recommendations	<p>The Phase I geoenvironmental assessment has identified a number of plausible contamination linkages with the potential to present risks to human health though from soils and ground gases and to buried services in the context of the proposed development. However, it is considered that these risks are unlikely to preclude the viable development of the Site to the proposed residential end use.</p> <p>It is considered that the Site is likely to be suitable for the proposed residential end use, subject to the following recommendations:</p>

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- Further site investigation and risk assessment is required to more fully characterise the potential contamination linkages identified. The environmental site investigation should allow for:
 - Characterisation of the ground and groundwater conditions and collection and analysis of soil samples to characterise the potential for significant contamination on-site;
 - Installation of gas monitoring wells and a programme of gas monitoring to characterise the ground gas regime.
- If significant contamination linkages / risks are identified by the Site investigation and risk assessments, then mitigation will be required, and a remediation strategy and validation plan should be prepared for the Site.
- A discovery strategy should be in place during all the development works: Should any evidence of unexpected or otherwise exceptional contamination be identified works should be halted in that area, and the Local Authority informed. In the event of a discovery, the potential contamination should be inspected by a suitably qualified environmental consultant and any remediation measures required implemented to the satisfaction of the Local Authority and Building Warranty Provider.

It is noted that if not already undertaken a Demolition and Refurbishment Asbestos Survey will also be required prior to any works on the site buildings

A copy of this report should be forwarded to the Local Planning Authority in support of any application made.

This Executive Summary only provides a summary of the site data and its assessment. It does not provide a definitive environmental analysis and is for guidance purposes only. It is recommended that the reader reviews the reporting its entirety and any material referenced therein.

ACRONYMS AND ABBREVIATIONS

Acronyms and Abbreviations	
Acronym / Abbreviation	Definition
ACM or pACM	Asbestos or potential asbestos containing material
ADE	Average Daily Exposure
ASPT	Average Score Per Taxon
BOD	Biochemical Oxygen Demand
BGS	British Geological Survey
BH	Borehole
BNG	British National Grid (formerly national grid reference NGR)
BS	British Standard
BTEX	Benzene, Toluene, Ethyl benzene and Xylenes
CAT	Cable avoidance tool
CIRIA	Construction Industry Research and Information Association
CLEA	Contaminated Land Exposure Assessment
CLR	Contaminated Land Research reports
Defra	Department of the Environment, Food and Rural Affairs (formerly the DoE and DETR)
DETR	Department of the Environment, Transport and the Regions (formerly the DoE and now Defra)
DO	Dissolved oxygen
DoE	Department of the Environment (then DETR and later Defra)
DQRA	Detailed quantitative risk assessment (Tier 2)
EA	Environment Agency
EPH	Extractable Petroleum Hydrocarbons
EQI	Environmental Quality Index
EQS	Environmental Quality Standards
FID	Flame ionisation detector
GAC	Generic assessment criteria
GC	Gas chromatography
GEMCO	Green Earth Management Co Ltd
GQA	General quality assessment
GQRA	Generic quantitative risk assessment (Tier 1)
ha	Hectare
HCV	Health criteria value
HHRA	Human health risk assessment
ICRCL	Interdepartmental Committee on the Redevelopment of Contaminated Land
ID	Index dose
LEL	Lower explosive limit
LOD	Limit of detection

Acronyms and Abbreviations	
Acronym / Abbreviation	Definition
m	Metres
mAOD	Metres above ordnance datum
mbgl	Metres below ground level
MCERTS	Monitoring Certification Scheme
MDI	Mean daily intake
NGR	National grid reference (superseded by BNG)
NHBC	National House Building Council
NRA	National Rivers Authority (now the Environment Agency)
PACM	Potentially asbestos containing material
PAH	Polycyclic aromatic hydrocarbon (a.k.a. polynuclear aromatic hydrocarbon)
PCV	Pollution Control Valve
pH	A measure of the acidity or basicity of an aqueous solution. Defined as the negative logarithm of the concentration of hydrogen ions in a substance
PID	Photo Ionisation Detector
PPE	Personal Protective Equipment
PPL	Plausible Pollutant Linkage
RBCA	Risk-based contamination assessment
RMS	Remediation Method Statement
RQO	River Quality Objective
SGV	Soil Guideline Value
SNIFER	Scottish and Northern Ireland Forum for Environmental Research
SPT	Standard penetration test
SSTL	Site-specific target level
SVOC	Semi Volatile Organic Compounds
QRA	Quantitative risk assessment
TDI	Tolerable daily intake
TDSI	Tolerable daily soil intake
TP	Trial pit
TPH	Total petroleum hydrocarbon
TPHCWG	Total petroleum hydrocarbon criteria working group
TOX	CLR 9 Toxicological Reports
UKAS	United Kingdom Accreditation Service
USEPA	United States Environmental Protection Agency
UXB	Unexploded Bomb
UST	Underground Storage Tank
VOC (TVOC)	Volatile Organic Compounds (Total VOC)
WHO	World Health Organisation
WQS	Water Quality Standards
WS	Window sample

1 INTRODUCTION

1.1. Project Details

Green Earth Management Company Limited (GEMCO) was commissioned by Wincer Kievenaar on behalf of Mr Neville Warnes (the Client) to undertake a Phase I geoenvironmental assessment for a proposed development site at Moat Farm, Bury Road, Thorpe Morieux, Suffolk, IP30 0NR. The Site occupies an area of approximately 0.31 ha.

A site location plan is presented as Figure 1.

It is understood that the geoenvironmental assessment report is required in support of a planning application to develop the Site to a residential end-use.

1.2. Proposed Development

The proposed development layout is presented in Figure 2. It is understood that the proposed development is the conversion of 3 (no.) existing barn / out building structures to residential usage and for the demolition of other associated structures.

1.3. Objectives

The objectives of this geoenvironmental assessment are to:

- Carry out a review of the environmental setting of the Site and surrounding area in order to determine any potentially significant pollutant linkages relative to sensitive receptors identified;
- Assess the likelihood of contamination on the Site;
- Prepare a preliminary conceptual site model;
- Assess the potential risks to human health and the environment posed by the Site in its current state;
- Undertake a review of the ground conditions;
- Provide recommendations for further works if necessary;
- Undertake all works in accordance with relevant statutory and local guidance as appropriate; and
- Produce a report for use by the Client.

1.4. Scope of Work

The scope of work for the geoenvironmental assessment has included the following:

- A desk-based review of available information, including a Landmark Envirocheck report (R.1; included at Appendix 3) and other available sources of information;
- Site walkover survey;
- Initial appraisal of the ground conditions;
- Preliminary Risk Assessment (PRA) of contamination risks to human health and the environment;
- Provision of a preliminary conceptual site model, detailing all potential pollutant linkages; and
- A summary of any recommended additional work based on the findings of the site investigation.

The methodology of assessment applied in the production of this report is in accordance with the current industry standards and supplementary guidance as appropriate, including Land Contamination Risk Management Model Procedures produced by DEFRA and the EA (R.2), British Standard Code of Practice for Site Investigations BS5930:2015 + A1 2020 (R.3), British Standard Code of Practice for Investigation of Potentially Contaminated Sites BS10175:2013 + A1 2017 (R.4) and British Standard Conceptual Site Models for potentially contaminated sites BS EN ISO 21365:2020 (R.5) .

For the purposes of this report the word 'contamination' relates to the statutory definition of contaminated land under the Environmental Protection Act 1990 (R.6), unless otherwise stated.

A list of references used in the production of the report is included in Section 6.

1.5. Terms of Reference

This desk study (herein referred to as the "Report"), has been prepared for Wincer Kievenaar on behalf of Mr Neville Warnes (herein referred to as the "Client"), for the purposes agreed and in general accordance with the terms and conditions set out in proposal reference 1950 2021 0407 GEMCO WKP dated 7th April 2021 and the Agreement between Green Earth Management Company Limited (the "Consultant") and the Client. The works were commissioned by email instruction from Wincer Kievenaar on behalf of the Client to GEMCO dated 8th April 2021.

1.6. Report Limitations and Conditions

For the work, reliance has been placed on publicly and privately available data from the sources identified; the sources are not exhaustive, and further information relevant to the Site may be available from other sources.

When using the information, it has been assumed it is correct. No attempt has been made to verify the information.

In addition to the above, GEMCO note that when investigating or developing land, it is important to recognise that sub-surface conditions may vary spatially and over time. Therefore, GEMCO cannot guarantee that conditions other than those discussed in the report do not occur elsewhere on the Site. New information, revised practices, or changes in legislation may necessitate the re-interpretation of the report, completely or in part. Further detail regarding report conditions is included as Appendix 1.

2 SITE DETAILS

2.1. Site Setting

2.1.1. Site Location

The proposed development site is located at Moat Farm, Bury Road, Thorpe Morieux, Suffolk, IP30 0NR and is centred on approximate National Grid Reference 594210, 253960. A site location plan is presented as Figure 1 and the proposed development layout shown on Figure 2.

2.1.2. Site Description

GEMCO visited the Site on the 9th April 2021 to undertake a site walkover survey. The site layout is shown on Figure 3 and a selection of photographs taken during the walkover survey are presented in Appendix 2.

The Site occupies an area of approximately 0.31 ha.

The Site was accessed from Bury Road through a gate to a gravelled (on concrete base) driveway with a number of buildings on the south side including Barn 1 and Barn 2 for conversion (Figure 3), a pond to the immediate north of the Site entrance and a house to the immediate north of the drive just beyond this (existing dwelling house outside of the site boundary) and Barn 3 around 35m west also on the north side of the driveway.

Barn 1 (Figure 3) was a timber framed / clad building with cement sheeting roof (potentially asbestos containing). There were a number of planters in a cages area on the west side of the building and a paved area to the south.

Barn 2 was just to the west of Barn 1. Barn 2 was timber framed and clad apart from a stone built front wall, with a clay tiled roof. Adjoining the building area for conversion there was a brick built 'extension', rendered in part and with a clay tile roof. The first part (adjoining Barn 2) had a stable door; the further part had a garage door on the north end and a door and windows at the rear.

To the immediate south of Barn 2 (very close to but not adjoining) there was another timber framed / clad shed with cement sheet roof.

Just west of the garage building (western extension of Barn 2) there were a number of brick-built stores / possible former kennels with cages in front and a brick shed around an area of concrete hard standing. There was minimal storage of plant pots and hanging baskets etc.

Barn 3 was a timber and corrugated metal sheet clad building, presumed wooden framed with a brick foundation wall and a metal roof. The western end appeared to be an extension and had a roller shutter door. There was a concreted area to the west with a (domestic) greenhouse and ornamental flower beds to the south.

To the north and east was formal garden areas associated with the house near the Site entrance.

The area south of Barn 1 and 2 and the wider area were largely ornamental gardens, lawns and trees in very well-kept condition. Just west of the site area at end of the driveway there another barn type building (off-site) and hardstanding with nursery type planting / planters around it. Off-site to the north, associated with the house there was a larger pond (moat) close to the rear / west side of the house wrapping around the rear of the property; this was around 12 - 15m from Barn 3 at its closest point.

No evidence of potentially significant contamination or contaminative features were identified during the walkover (aside from potential asbestos cement sheet roofing, but no fragments or other storage). The whole area was very well kept and tidy. A number of gas bottles were noted for presumed nursery type heating. No fuel tanks or potential evidence of former fuel tanks were noted.

2.1.3. Surrounding Area

The surrounding area was dominantly open farmland. Thorpe Morieux village hall was around 80m to the south and further residential houses with large garden areas from around 60m north.

2.1.4. Topography

The Site area is generally relatively flat, rising up slightly on the north side to Barn 3 and the house. The general area slopes gently to the south. In the context of the wider area topography the Site is situated on a gentle hill ridge running loosely north – south with the land form falling away to the south, west and east.

2.2. Geological Setting

The geological setting has been derived from the Envirocheck Report (R.1) and the British Geological Survey (BGS) online records.

2.2.1. Published Geology

The Site and the wider surrounding area are underlain by superficial Lowestoft Formation diamicton deposits, in turn underlain by bedrock Crag Group sand.

No artificial ground deposits are recorded on or in the vicinity of the Site.

There is a BGS borehole record identified on or immediately adjacent to the north side of the Site (ref. TL95SW6). This indicates Boulder Clay (Lowestoft Fm. diamicton) to around 11mbgl, overlying sand and gravel to 36.5mbgl (base of well).

The resting water level was recorded at 30.5mbgl.

2.2.2. Geological Hazards

The Envirocheck report indicates the following potential geological hazards on Site:

Table 2.1 Geological Hazards	
Geological Hazard	Hazard Potential
Shrink-Swell	Low
Landslides	Very Low
Ground Dissolution	No Hazard
Compressible Ground	No Hazard
Collapsible Ground Stability	Very Low
Running Sand	Very Low

2.2.3. Mining Records

The Envirocheck Report (R.1) identified that the Site is within an area that might not be affected by coal mining and the risk of non-coal mining is 'No Hazard'.

No BGS recorded mineral site were identified within 1000m of the Site.

2.2.4. Radon

The Envirocheck Report (R.1) indicated that the Site is within an area where <1% of homes are above the action level and no radon protective measures are necessary in the construction of new dwellings or extensions.

2.3. Hydrogeological Setting

The hydrogeological setting has been derived from the Envirocheck Report (R.1) and the DEFRA website: [MAGIC \(defra.gov.uk\)](https://magic.defra.gov.uk).

The superficial geology (Lowestoft Fm. diamicton and Head deposits) is classified as a Secondary Undifferentiated aquifer.

The underlying bedrock Crag Group sand is classified as a Principal aquifer.

The Site and surrounding area are within a Zone 3 (Total Catchment) groundwater Source Protection Zone (SPZ).

The groundwater vulnerability is classified as Secondary Aquifer / Medium Vulnerability.

The nearest groundwater abstraction license is 637m south and is revoked. No active licenses are recorded within 2000m of the Site.

2.4. Hydrological Setting

There is a pond to the immediate north of the Site entrance (east side of the Site) and a larger pond (moat) adjacent to the west side of the house just off site and wrapping around the rear (north) of the house.

There is also a ditch across the road outside the Site entrance running parallel with the road to the south.

The River Brett appears to be the nearest significant stream / river. A tributary of this is around 330m east of the Site at its closest, with the River Brett around 450m to the south-east at its closest.

The nearest groundwater abstraction license is 1414m north and is revoked. No active licenses are recorded within 2000m of the Site.

The Site is not within a flood risk zone.

2.5. Site History

The purpose of determining the site history is to identify the past uses of the Site, the potential for historic on and off-site sources of contamination, changes in landform, site structures and construction and their potential impact on the geology, hydrogeology and hydrology. The site history will also assist in the design of site investigations by identifying features that warrant a more detailed assessment.

A summary of the relevant site history has been derived from a review of the historical maps provided in the Envirocheck Report (R.1) included in Appendix 3 and summarised in Table 2.2.

Table 2.2 Historical Map Summary			
Maps Dated	On / Off-Site	Description	Potential Contamination Sources
1884 (1:10,560) & 1885 (1:2,500)	On-site	The Site is occupied by a number of (presumed) farm buildings and enclosures with access from a road to the east loosely consistent with the current access. There are buildings consistent with Barn 1 and Barn 2 (Figure 3) and two larger buildings to the west of these, the further one extending off-site to the south. Note there is no building at the location of the current Barn 3 at this time. There is a pond in the southern part of the Site extending off-site. A 'moat' associated with a house just off-site to the north may extend into the northern part of the Site area.	Farm usage and development of the site
	Off-site	There is a house just off-site to the north (consistent with the western part of the current house). There is a large pond (moat) to the west of this and wrapping around the house to the north and a smaller pond immediately north of the Site entrance (consistent in part with the current pond at this location but possibly	Farm usage around the site.

Table 2.2 Historical Map Summary

Maps Dated	On / Off-Site	Description	Potential Contamination Sources
		bigger). There are some small buildings, possibly residential or farm buildings around 80m south of the Site either side of a road. Otherwise, the surrounding area is open land.	
1904 (1:2,500) & 1905 (1:10,560)	On-site	A well is now marked on the northern side of the Site. Otherwise, no significant changes.	No additional significant sources
	Off-site	No significant changes.	No additional significant sources
1958 (1:10,000)	On-site	No potentially significant changes visible.	No additional significant sources
	Off-site	One of the buildings around 80m to the south is marked as a Hall (consistent with current village hall location). There is some residential development at Thorpe Morieux to the south within around 250m of the Site. No significant changes.	No additional significant sources
1975 - 1976 (1:2,500)	On-site	There is a building at the Location of the eastern part of Barn 3 (potentially consistent with Barn 3 less the extension on the west side). A track / driveway is shown to wrap around the west side of this building. Otherwise, no significant changes	Construction and use of additional barn
	Off-site	There is some residential development to the north comprising houses and large gardens. The nearest house is around 60m north of the Site.	No additional significant sources
1980 - 84 (1:10,000)	On-site	No potentially significant changes visible.	No additional significant sources
	Off-site	No potentially significant changes visible.	No additional significant sources
1993 (1:2,500)	On-site	No potentially significant changes visible.	No additional significant sources
	Off-site	No potentially significant changes visible.	No additional significant sources
1999 (Aerial Photograph) 1:2,500	On-site	On the north side of the Site Barn 3 appears to have been extended to its current configuration and the larger pond (most) that extended into the Site area filled-in to a point near the rear of the house (off-site); this area appears now to be garden area. To the south	Demolition of structures, construction and use of barn and infilling of ponds

Table 2.2 Historical Map Summary

Maps Dated	On / Off-Site	Description	Potential Contamination Sources
		of the drive the buildings appear to be in their current configuration with some buildings to the west removed. The pond in the southern part of the Site has been filled in and the whole area south of the buildings now appears to be extended garden area (rather than farmland).	
	Off-site	The house appears to have been extended and a barn has been built just off-site to the west (consistent with the current building). No other potentially significant changes	Construction works and use of barn
2000 (1:10,000)	On-site	No potentially significant changes visible.	No additional significant sources
	Off-site	No potentially significant changes visible.	No additional significant sources
2006 1:10,000	On-site	No potentially significant changes visible.	No additional significant sources
	Off-site	No potentially significant changes visible.	No additional significant sources
2021 1:10,000	On-site	No potentially significant changes visible.	No additional significant sources
	Off-site	No potentially significant changes visible.	No additional significant sources

3 ENVIRONMENTAL SEARCHES

3.1. Environmental Search Data

The following sections have been produced following a review of the Envirocheck environmental database search report (R.1; Appendix 3) unless otherwise indicated.

3.2. Environmental Permits, Pollution Incidents and Registers

A pollution incident to controlled waters is identified 13m north of the Site. The incident was in 1993, Category 3 (minor) and with no pollutant identified. The receiving body is identified as a tributary of the River Brett so the actual location maybe somewhat further off-site even though the mapped location coincides with the moat to the north. Overall, given low magnitude of the incident it is considered that the incident is unlikely to be significant in the context of the current assessment.

No other environmental permits, pollution incidents or register entries with the potential to significantly impact the Site were identified.

3.3. Landfill and Other Waste Sites

No current or historic landfill records or other waste sites were identified within 1000m of the Site.

The nearest recorded potentially infilled land is 753m north.

3.4. Current Industrial Land Use Data

No potentially significant industrial land uses were identified.

3.5. Environmentally Sensitive Areas

The Site is located within a surface water and groundwater Nitrate Vulnerable Zone (NVZ).

No other potentially significant designated environmentally sensitive areas were identified.

3.6. Air Quality Management Areas

The Air Quality Management Area (AQMA) maps available on the Defra website (<http://aqma.DEFRA.gov.uk/aqma/maps>) indicate the Site is not within an AQMA.

4 PRELIMINARY RISK ASSESSMENT AND CONCEPTUAL SITE MODEL

4.1. Introduction

In order to determine if land contamination is present, a tiered risk assessment process is adopted to provide a robust approach to the management of risks due to land contamination. The risk assessment process can be highly detailed and there are a range of factors that need to be considered in assessing risks. The adoption of a staged approach is in line with current industry legislation and guidance. There are principally three tiers applied as follows:

- Tier 1: Preliminary Risk Assessment (PRA) (generally qualitative);
- Tier 2: Generic Quantitative Risk Assessment (GQRA); and
- Tier 3: Detailed Quantitative Risk Assessment (DQRA).

The purpose of the current work is to undertake a Tier 1 preliminary assessment.

Land is considered to be contaminated if significant **pollutant linkages**, comprising a source, pathway, and receptor are present. **Source, pathway, and receptor** can be defined as follows:

- **Source** (contaminant/pollutant) – “a substance [or range of chemically related substances] which is in or under the land and which has the potential to cause harm or to cause pollution of controlled waters.”
- **Pathway** – One or more routes by which a receptor can be exposed to, or affected by a contaminant.
- **Receptor** (target) – humans, living organisms, ecological systems, buildings, controlled waters.

Pollutant linkages are deemed significant if there is a significant potential of significant harm to a sensitive receptor being exposed to a specific contaminant(s) via an identified and active pathway.

4.2. Contamination Sources

The Site has been developed with farm buildings since at least the 1880s; Barn 1 and Barn 2 for conversion were present at this time. Barn 3 was added in the 1970s and extended in the 1990s to its current configuration. There were further buildings on the west side of the Site south of the driveway from the 1880s to the 1990s and a pond on the south side of the Site was filled in by the 1990s.

The house to the immediate north, the moat and the pond north of the Site entrance were also present by the 1880s. The house was extended, and the moat truncated at its south end where it may originally have encroached into the Site by the 1990s.

Historically the Site and immediate surroundings appear to have been used for farming and residential usage. More recently the usage appears to have been domestic and horticultural usage.

It is noted that on the basis of site observations there is limited potential for significant contamination; all areas were very tidy and clean and all buildings and surfacing in good condition / well maintained.

A summary of the potential contamination sources derived from the preliminary assessment is presented in Table 4.1 below.

Table 4.1. Potential Sources of Contamination		
Potential Sources	Potential Contaminants	Probability of Significant Contamination
Development of the farm buildings, entrance track etc; infill of ponds.	Heavy metals, PAH, phenols, pH, asbestos, organic debris	Low Likelihood
General farming, horticultural and residential usage	Heavy metals, PAH, phenols, fuel and oil hydrocarbons, pH, asbestos	Low Likelihood

4.3. Migration Pathways

The following potential migration pathways have been identified with regard to the Site and development proposals:

- Direct contact with contaminated soil;
- Ingestion of contaminated soil or soil dust;
- Inhalation of contaminated soil dust;
- Inhalation of vapours and or gases (indoor and outdoor);
- Inhalation of asbestos fibres;
- Ingress of ground gases / vapours into building or confined spaces;
- Potential leaching and migration of contaminants to controlled waters – superficial Secondary Undifferentiated aquifer, underlying bedrock Principal aquifer and surface water features;
- Direct contact with underground services and other building materials or leaching of contaminants into underground service corridors; and
- Uptake by flora and fauna.

Consideration of the pathways has been taken with respect to the boundaries and properties located on the subject Site.

It is noted that the allocated garden areas for the plots are limited so no vegetable consumption pathway has been included.

With regard to controlled waters, it is noted that although the Lowestoft Fm. diamicton is classified as a Secondary Undifferentiated aquifer the formation is typically dominantly clay with pockets of sandier or gravelly deposits and does not typically support significant connected groundwater and is typically relatively impermeable.

The Crag geology at depth is a Principal aquifer. There is likely to be around 10 – 11m of Lowestoft Fm. diamicton (dominantly clay) overlying the Crag however (Section 2.1.1), which is very likely to provide significant protection to the underlying aquifer.

4.4. Receptors

The following sensitive receptors have been identified:

- Future residents;
- Site users and neighbours (existing house);
- Construction workers;
- Controlled waters: Secondary (undifferentiated) Aquifer and Principal Aquifer at depth; and surface water features including pond to immediate north of the site entrance, the larger pond (moat) to the rear of the house and ditch beyond the road to the east of the Site;
- Buried services;
- Buildings;
- Ecological receptors.

With regard to controlled waters, it is noted that although the Lowestoft Fm. diamicton is classified as a Secondary Undifferentiated aquifer the formation is typically dominantly clay with pockets of sandier or gravelly deposits and does not typically support significant connected groundwater and is typically relatively impermeable.

The Crag geology at depth is a Principal aquifer; however, there is likely to be around 10 – 11m of Lowestoft Fm. diamicton (dominantly clay) the overlying the Crag (Section 2.1.1), which is very likely to provide significant protection to the underlying aquifer.

4.5. Preliminary Conceptual Site Model

The preliminary conceptual site model (source-pathway-receptor linkages that are applicable to the Site) and the risk assessment have been produced in the context of the proposed recreational or educational meeting space usage of the 'Conservation Lodge' area and car park usage to the west.

The plausible source-pathway-receptor linkages (plausible pollution linkages / PPL) that are applicable to the Site are summarised in Table 4.2.

Table 4.2: Preliminary Conceptual Site Model & Risk Assessment

Source(s)	Pathway(s)	Receptor(s)	Risk ¹	Justification for Risk/ Comment
PPL A Development of the farm buildings, entrance track etc; infill of ponds. Heavy metals, PAH, phenols, pH, asbestos, organic debris Low likelihood	1. Direct contact with soils; ingestion of soil, or soil dust; inhalation of dust, or asbestos fibres; outdoor inhalation of vapours	a. Future residents	PPL A-1-a Moderate / Low	There is some potential for contamination related to historic usage, historic development and the infilled ponds (infill materials). Further investigation is required.
		b. Site users and neighbours	PPL A-1-b Low	As above but usage scenario less sensitive or off-site migration likely to be limited
		c. Construction workers	PPL A-1-c Low ²	As above and use of appropriate controls and PPE.
	2. Ingress of ground gases and / or hazardous vapours into buildings; inhalation of vapours (indoor) or explosion	a. Future residents	PPL A-2-a Moderate / Low	There is some potential for gas or vapour generation related pond in-fill and residual sediments in particular and also to historic usage. Migration through diamicton soils likely to be limited but infill areas are very close to the proposed development.
		b. Site users and neighbours	PPL A-2-b Low	As above but usage scenario less sensitive or off-site migration likely to be limited.
		c. Construction workers	PPL A-2-c Very low	As above and use of appropriate controls and PPE.
		d. Buildings	PPL A-2-d Low ²	As above, significant accumulation of explosive gases relatively unlikely.

Table 4.2: Preliminary Conceptual Site Model & Risk Assessment

Source(s)	Pathway(s)	Receptor(s)	Risk ¹	Justification for Risk/ Comment
	3. Leaching of contaminants; infiltration to groundwater; movement within the groundwater; runoff to surface waters	e. Controlled waters: Secondary (Undifferentiated) Aquifer and Principal Aquifer at depth	PPL A-3-d Low	The potential for significant leachable contamination is low. Significant groundwater in the superficial aquifer body is unlikely. Protection of the principal aquifer by the overlying Lowestoft Fm. diamicton deposits.
		f. Controlled waters: Surface water streams	PPL A-3-e Low	The potential for significant leachable contamination is likely to be low.
	4. Contact with building materials / services; leaching into services trenches	g. Buried services	PPL A-4-g Low / Moderate	Precautionary assessment: There is some potential for contamination related to historic usage, historic development and the infilled ponds (infill materials).
	5. Direct contact with soils / uptake by plants	h. Ecological receptors	PPL A-5-h Very low	Likelihood of significant contamination is low. No effect on the current vegetation on site or in the surrounding area was noted.
PPL B General farming, horticultural and residential usage. Heavy metals, PAH, phenols, fuel and oil	1. Direct contact with soils; ingestion of soil, or soil dust; inhalation of dust, or asbestos fibres; outdoor inhalation of vapours	a. Future residents	PPL B-1-a Moderate / Low	There is some potential for contamination related to historic usage. Further investigation is required.
		b. Site users and neighbours	PPL B-1-b Low	As above but usage scenario less sensitive or off-site migration likely to be limited
		c. Construction workers	PPL B-1-c Low ²	As above and use of appropriate controls and PPE.

Table 4.2: Preliminary Conceptual Site Model & Risk Assessment				
Source(s)	Pathway(s)	Receptor(s)	Risk ¹	Justification for Risk/ Comment
hydrocarbons, pH, asbestos Low likelihood	2. Ingress of ground gases and / or hazardous vapours into buildings; inhalation of vapours (indoor) or explosion	a. Future residents	PPL B-2-a Low / Moderate	Precautionary assessment: There is low potential for gas or vapour generation related to historic usage.
		b. Site users and neighbours	PPL B-2-b Low	As above but usage scenario less sensitive or off-site migration likely to be limited.
		c. Construction workers	PPL B-2-c Very low	As above and use of appropriate controls and PPE.
		d. Buildings	PPL B-2-d Low ²	As above, significant accumulation of explosive gases relatively unlikely.
	3. Leaching of contaminants; infiltration to groundwater; movement within the groundwater; runoff to surface waters	e. Controlled waters: Secondary (Undifferentiated) Aquifer and Principal Aquifer at depth	PPL A-3-d Low	The potential for significant leachable contamination is relatively low. Significant groundwater in the superficial aquifer body is unlikely. Protection of the principal aquifer by the overlying Lowestoft Fm. diamicton deposits.
		f. Controlled waters: Surface water streams	PPL A-3-e Low	The potential for significant leachable contamination is likely to be relatively low.
	4. Contact with building materials / services; leaching into services trenches	g. Buried services	PPL A-4-g Moderate / Low	Precautionary assessment: There is some potential for contamination related to historic usage.

Table 4.2: Preliminary Conceptual Site Model & Risk Assessment				
Source(s)	Pathway(s)	Receptor(s)	Risk ¹	Justification for Risk/ Comment
	5.Direct contact with soils / uptake by plants	h. Ecological receptors	PPL-A-5-h Very low	Likelihood of significant contamination is low. No effect on the current vegetation on site or in the surrounding area was noted.
<p>Notes:</p> <p>(1) The risk rating given in the table above is based on classification of consequence and the probability of occurrence; further details are described in Appendix 1.</p> <p>(2) Assuming standard PPE and working practices.</p>				

5 CONCLUSIONS AND RECOMMENDATIONS

5.1. Summary of Site Walkover and Desk Study Information

5.1.1. Site Description and Development History

The Site comprised a number of former farm buildings around a gravelled entrance driveway, including the barns for conversion. The buildings were of timber frame or brick construction timber or corrugated metal sheet cladding and tile, corrugated metal sheet and cement sheet roofing. To the north there was a house and gardens and a pond, with a larger pond (moat) wrapping around the side and back of the house. To the west there was a further barn appearing to be used for horticultural nursery type activities. To the south-west and south was further garden area and to the east Bury Road. The wider surrounding area was dominantly agricultural land. No evidence of potentially significant contamination or contaminative features were identified during the walkover (aside from potential asbestos cement sheet roofing, but no fragments or other storage). The whole area was very well kept and tidy. No fuel tanks were noted.

Historically, the Site has been developed with farm buildings since at least the 1880s. The two buildings for conversion to the south of the driveway were present from this time, with the third added in the 1970s and extended in the 1990s to its current configuration. There were formerly further buildings on the west side of the Site south of the driveway from the 1880s to the 1990s and a pond on the south side of the Site was filled in by the 1990s. The house to the immediate north, the moat and the pond north of the Site entrance were also present by the 1880s. The house was extended, and the moat truncated at its south end where it may originally have encroached into the Site by the 1990s.

5.1.2. Geology, Hydrogeology and Hydrology

The Site and the surrounding area are underlain by superficial Lowestoft Formation diamicton deposits, in turn underlain by bedrock Crag Group sand. BGS borehole records (on or adjacent to the Site) indicate Boulder Clay (diamicton) to around 11mbgl, overlying sand and gravel to 36.5mbgl (base of well) with the resting water level was recorded at 30.5mbgl.

The superficial geology (Lowestoft Fm. diamicton) is classified as a Secondary Undifferentiated aquifer. The underlying bedrock Crag is classified as Principal aquifers.

The Site and surrounding area are within a Zone 3 (Total Catchment) groundwater Source Protection Zone (SPZ).

There is a pond to the immediate north of the Site entrance (east side of the Site) and a larger pond (moat) to the west side of the house (off site) and wrapping around the rear (north) of the house. There is also a ditch across the road outside the Site entrance running parallel with the road to the south.

The River Brett appears to be the nearest significant stream / river.

A tributary of this is around 330m east of the Site at its closest, with the River Brett around 450m to the south-east at its closest.

5.1.3. Environmental Searches

- No environmental permits, pollution incidents or register entries likely to significantly impact the Site were identified.
- No significant landfill or other waste sites were identified.
- No potentially significant industrial or commercial processes were identified.
- The Site is within a Nitrate Vulnerable Zone for groundwater and surface water.

5.2. Summary of Preliminary Conceptual Site Model

The preliminary conceptual site model is presented in Table 4.2. In summary, the following potential contamination sources were identified:

- PPL A: Development of the farm buildings, entrance track etc, and infill of ponds; and
- PPL B: General farming, horticultural and residential usage.

The main sensitive receptors identified were future residents, site users, neighbours and construction workers; the superficial Secondary (undifferentiated) aquifer and bedrock Principal aquifer and surface waters; buildings and buried services.

On the basis of the available information the preliminary (Tier 1) risk assessment identified a number of plausible pollutant linkages (PPL). The following potential Moderate / Low or Low / Moderate risks were identified:

- **Future residents:** Direct contact with soils, ingestion of soils, inhalation of soil dusts or asbestos fibres, etc. associated with contamination arising from development of the farm buildings, entrance track etc and infill of ponds (PPL A-1-a); and general farming, horticultural and residential usage (PPLB-1-a)
- **Ground Gas Risk / Future residents:** ingress of ground gases or hazardous vapours arising from contamination associated with contamination arising from development of the farm buildings, entrance track etc and infill of ponds (PPLA-2-a); and general farming, horticultural and residential usage (PPLB-2)
- **Buried services:** risks associated with contamination arising from development of the farm buildings, entrance track etc and infill of ponds (PPLA-4-g); and general farming, horticultural and residential usage (PPLB-4-g).

5.3. Conclusions

On the basis of the available information a number of plausible contamination linkages have been identified at the Site with the potential to present risks to human health though from soils and ground gases and to buried services in the context of the proposed development.

However, it is considered that these risks are unlikely to preclude the viable development of the Site to the proposed residential end use.

It is considered that further site investigation works, and risk assessment will be required to more fully characterise the contamination sources and risks identified and to determine the requirements for any mitigation measures.

5.4. Recommendations with respect to Contamination

On the basis of the findings of Phase I geoenvironmental assessment, it is considered that the Site is likely to be suitable for the proposed residential end use, subject to the following recommendations:

- Further site investigation and risk assessment is required to more fully characterise the potential contamination linkages identified. The environmental site investigation should allow for:
 - Characterisation of the ground and groundwater conditions and collection of samples of the site soils and analysis for a range of determinands in line with the conceptual site model to characterise the potential for significant contamination on-site;
 - Installation of gas monitoring wells and a programme of gas monitoring to determine the potential for ground gases and hazardous vapours from either on- or off-site sources.
- If significant contamination linkages / risks are identified by the site investigation and further risk assessments, then mitigation of these risks will be required and a remediation strategy and validation plan prepared for the Site.
- A discovery strategy should be in place during all the development works:

It is also noted that if not already undertaken a Demolition and Refurbishment Asbestos Survey will also be required prior to any works on the site buildings.

5.5. Discovery Strategy

Should any evidence of unexpected or otherwise exceptional contamination be identified works should be halted in that area, and the Local Authority informed. In the event of a discovery, the potential contamination should be inspected by a suitably qualified environmental consultant and any remediation measures required implemented to the satisfaction of the Local Authority and Building Warranty Provider.

5.6. Regulatory Liaison

A copy of this report should be forwarded to the Local Planning Authority in support of any application made.

6 REFERENCES

- R.1. Landmark Envirocheck Report ref. 276605843_1_1 dated 13th April 2021 (included as Appendix 3).
- R.2. Environment Agency (EA), Land Contamination Risk Management (LCRM), October 2020.
- R.3. British Standard Code of Practice for Site Investigations BS5930:2015 + A1 2020.
- R.4. British Standard Code of Practice for Investigation of Potentially Contaminated sites BS10175: + A1 2017.
- R.5. British Standard Soil Quality, Conceptual Site Models for potentially contaminated sites; BS EN ISO 21365: 2020.
- R.6. Environmental Protection Act 1990: Part IIA, Contaminated Land Statutory Guidance, April 2012.
- R.7. Water Framework Directive 2000/60/EC.
- R.8. Water Supply Regulations 2010.

FIGURES

FIGURE 1

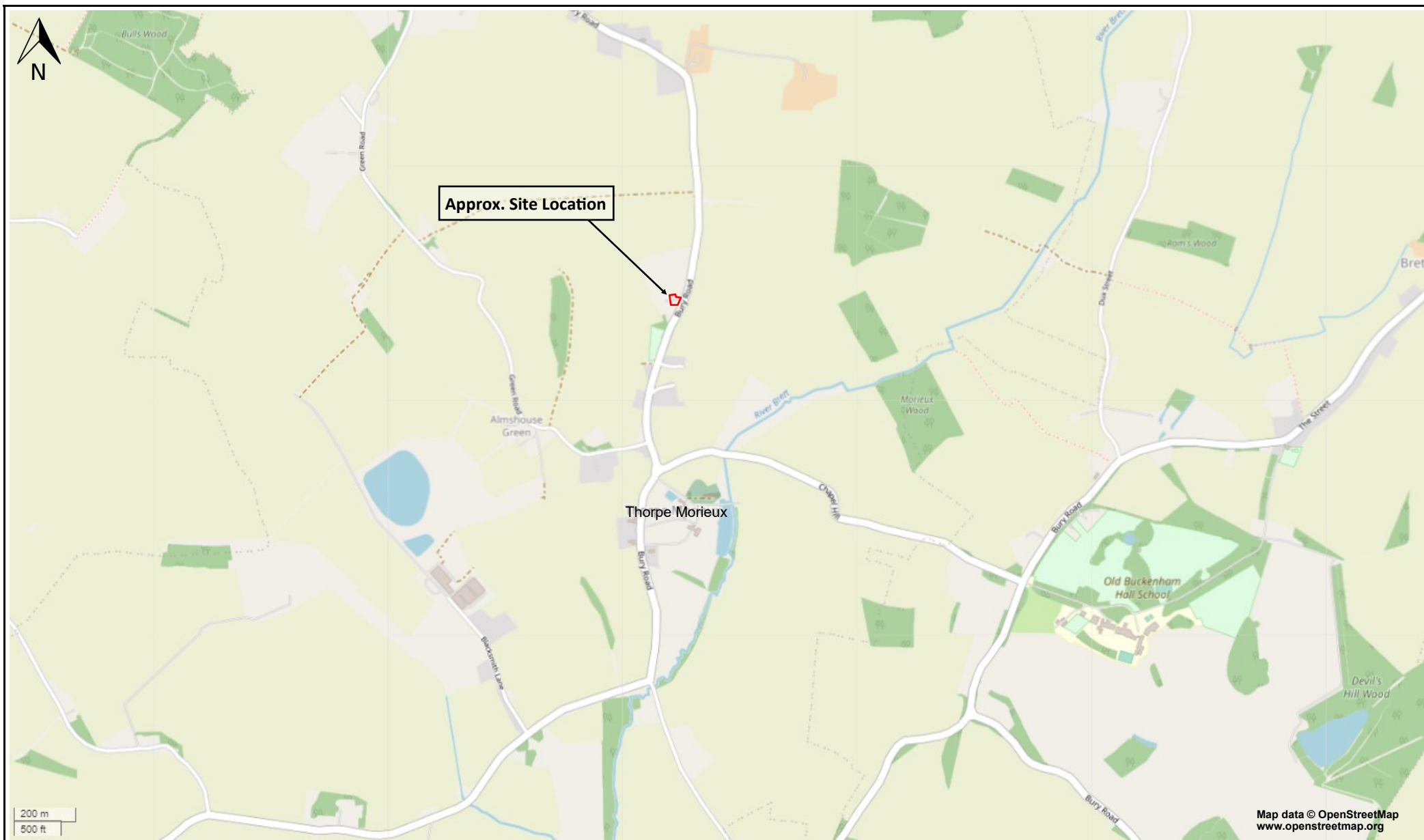
SITE LOCATION PLAN

FIGURE 2


PROPOSED DEVELOPMENT LAYOUT

FIGURE 3

SITE WALKOVER PLAN



Map data © OpenStreetMap
www.openstreetmap.org

Site:	Moat Farm	Date:	April 2021	Legend:  Approx. Site Boundary
Address:	Bury Road, Thorpe Morieux, Suffolk, ,	Scale:	NTS / As Shown	
Post Code:	IP30 0NR	Drawing:	1950 R01 Figure 1	
Grid Ref:	NGR 594210, 253960	Drawn by:	PT	
Title:	Site Location Plan	Checked by:	DR	
Client:	Mr Neville Warnes; c/o Wincer Kievenaar	Project No:	1950	



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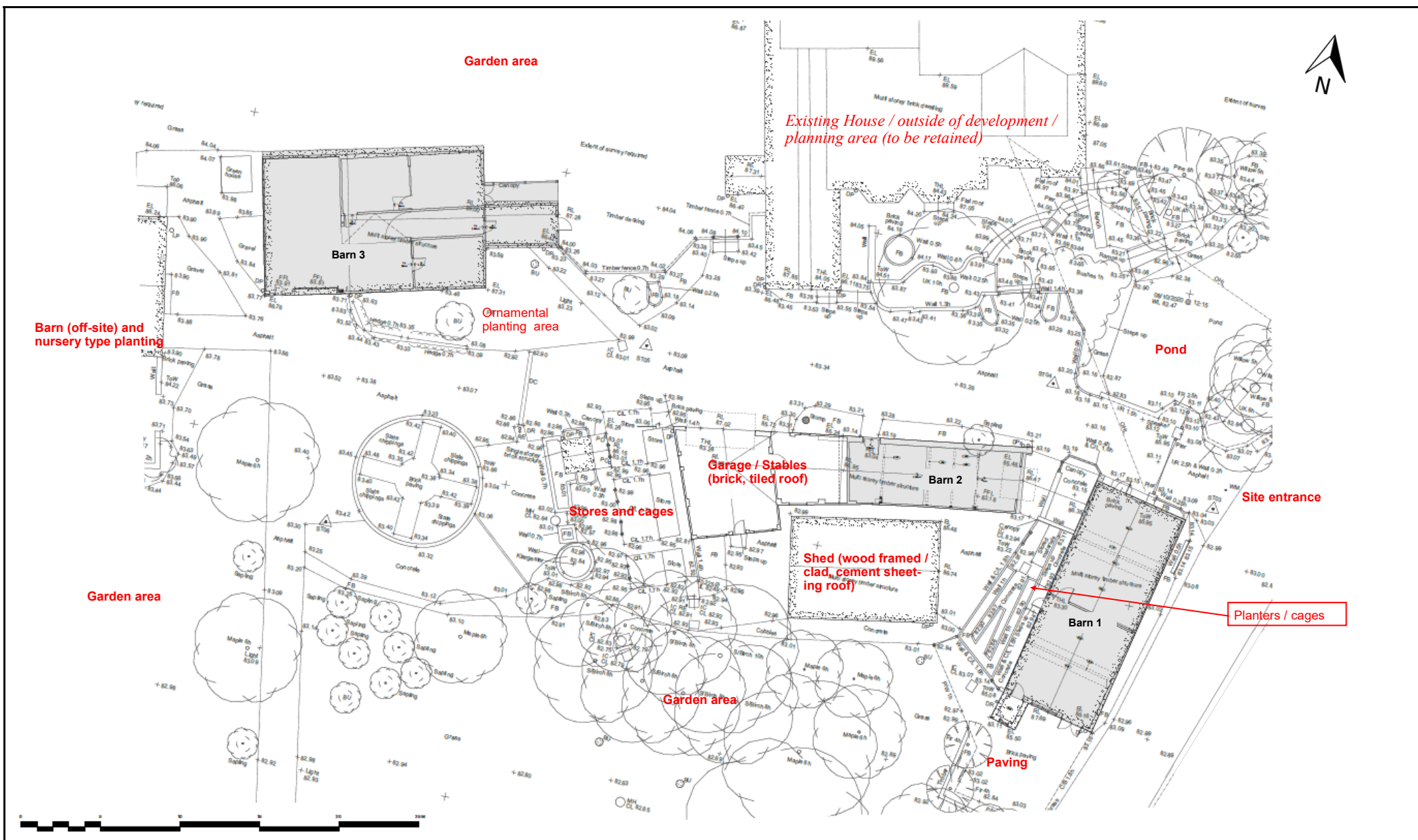
Site:	Moat Farm	Date:	April 2021
Address:	Bury Road, Thorpe Morieux, Suffolk, ,	Scale:	As Shown
Post Code:	IP30 0NR	Drawing:	1950 R01 Figure 2
Grid Ref:	NGR 594210, 253960	Drawn by:	PT
Title:	Proposed Development Layout	Checked by:	DR
Client:	Mr Neville Warnes; c/o Wincer Kievenaar	Project No:	1950


Legend / Notes
Drawing derived from Wincer Kievenaar drawing ref. 5571 PA-09 A



REMEDICATION SPECIALISTS

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Site:	Moat Farm	Date:	April 2021	Legend / Notes  Building to be retained / converted
Address:	Bury Road, Thorpe Morieux, Suffolk, ,	Scale:	As Shown	
Post Code:	IP30 0NR	Drawing:	1950 R01 Figure 3	
Grid Ref:	NGR 594210, 253960	Drawn by:	PT	
Title:	Site Walkover Plan	Checked by:	DR	
Client:	Mr Neville Warnes; c/o Wincer Kievenaar	Project No:	1950	



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APPENDIX 1

REPORT CONDITIONS

Report Conditions

Geoenvironmental Site Investigation

This report is produced solely for the benefits of the named Client and no liability is accepted for any reliance placed on it by any other party unless specifically agreed in writing otherwise.

The report refers, within the limitations of the stated, to the condition of the site at the time of the inspections.

No warranty is given as to the possibility of the future changes of the site.

The report is based on a visual site inspection, reference to accessible referenced historical records, the physical investigation as detailed, information supplied by those parties referenced in the text, and preliminary discussions with local and statutory authorities. Some of the opinions are based on unconfirmed data and information and are presented as the best that can be obtained without further extensive research. The test results available can only be regarded as a limited but likely representative sample assessed against current guidelines. The impact of our assessment on other aspects of the development requires evaluation by other involved parties.

GEMCO takes no responsibility for conditions that have not been revealed by the borings, or which occur below or between the borings. The possibility of the presence of contaminants, perhaps in higher concentrations, elsewhere on site cannot be discounted. Whilst every effort has been made to interpret the conditions between investigation locations, such information is only indicative and liability cannot be accepted for its accuracy.

Groundwater and ground gas readings taken are those pertaining to the period of the investigation only. It should be noted that groundwater levels may be subject to tidal, seasonal and diurnal changes, whilst ground gas emission rates are affected by atmospheric pressure and groundwater levels.

With reference to ground contamination, whilst the findings detailed within this report reflect our best assessment, because there are no exact UK definitions of these matters, being subject to risk analysis, we are unable to give categorical assurances that they will be accepted by authorities or funds without question as such bodies have unpublished, more stringent objectives. The report is prepared and written for the purposed uses stated in the report and should not be used in a different context without reference to GEMCO in time, improved practises or amended legislation may necessitate a re-assessment.

The report is limited to the geotechnical and environmental aspects specifically reported on, and is necessarily restricted and no liability is accepted for any other aspect especially concerning gradual or sudden pollution incidents. The opinions expressed cannot be absolute due to the limitations of time and resources imposed by the agreed brief, the nature of the geology and possibility of unrecorded previous use and abuse of the site and adjacent sites. The report concentrates on the site as defined in the report and provides an opinion on surrounding sites. If migrating pollution or contamination (past or present) exists, further research will be required before the effects can be better determined.

Risk Assessment and Risk Rating

Classification of Consequence		
Classification	Definition	Examples
Severe	Short term (acute) risk to human health likely to result in 'significant harm;' as defined by the Environmental Protection Act 1990, Part IIA. Short term risk if pollution (note: Water Resources Act does not contain provision for consideration of the significance of pollution) of sensitive water resource. A short-term risk to a particular ecosystem, or organism forming part of such an ecosystem. (note: the definition of ecological systems with the DEFRA Contaminated Land Statutory Guidance 2012)	High concentration s of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site to a controlled water. Explosion, causing building collapse (can also equate to short term human health risk if buildings are occupied).
Medium	Chronic damage to human health ('significant harm as defined DEFRA Contaminated Land Statutory Guidance 2012) Pollution of sensitive water resources. A significant change in a particular ecosystem, or organism forming part of such ecosystem. (note: the definition of ecological systems with the DEFRA Contaminated Land Statutory Guidance 2012)	Concentration of contaminant from the site exceeds the generic or site-specific assessment criteria. Leaching of contaminants from a site to a principal or secondary aquifer. Death of species within a designated nature reserve.
Mild	Pollution of non-sensitive water resources. Significant damage to buildings, structures, and crops. ('Significant harm' as defined in DEFRA Contaminated Land Statutory Guidance 2012 and EPA 1990 Part IIA. Damage to sensitive buildings/structures or the environment.	Pollution if non-classified groundwater. Damage to building, rendering it unsafe to occupy (e.g., foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such a personal protective clothing etc.). Easily repairable effects of damage to buildings/structures	The presence of contaminants at such concentration is that protective equipment is required during the site works. The loss of plants in landscaping scheme. Discolouration of concrete.

Classification of Probability	
Classification	Definition
High Likelihood	There is a pollution linkage and an event which would either appear very likely in the short term and almost inevitable over the long term, or, there is evidence at the receptor of harm or pollution.
Likely	There is a pollution linkage and all the elements are present in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely to occur over the long term.
Low Likelihood	There is pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/Low risk
	Likely	High Risk	Moderate Risk	Moderate to 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

Risk classification framework taken from CIRIA C552, Section 6

APPENDIX 2

SITE PHOTOGRAPHS

Picture 1



Picture 2



Picture 3



Picture 4



Picture 5



Picture 6

**Legend:**

- Pic 1:** 'Stables' and Barn 2 from driveway (looking east)
- Pic 2:** Garage and stables from the driveway (looking south)
- Pic 3:** Stores / old kennels and cages to west of garage
- Pic 4:** Rear of garage building
- Pic 5:** Area to rear of caged planters and Barn 1 (looking east)
- Pic 6:** Caged planters to the west of Barn 1

Site:

Moat Farm, Thorpe Morieux

Title:

Appendix 2 - Site Photos

Client:

Mr Neville Warnes / Wincer Kievenaar

Date: April 2021**Project No:** 1950**Page No:** 1 of 2**Drawn By:** PT**Checked By:** DR**Scale:** N/A

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Picture 7



Picture 8



Picture 9



Picture 10



Picture 11



Picture 12

**Legend:**

- Pic 7:** Looking south from rear of Barn 1 area
- Pic 8:** Looking west from rear of Barn 1 area / back of shed
- Pic 9:** Barn 3 viewed from the driveway (looking west)
- Pic 10:** West end of Barn 3 from driveway
- Pic 11:** West end of Barn 3 from the south-west
- Pic 12:** Rear of Barn 3; garden area looking toward house

Site:

Moat Farm, Thorpe Morieux

Title:

Appendix 2 - Site Photos

Client:

Mr Neville Warnes / Wincer Kievenaar

Date: April 2021**Project No:** 1950**Page No:** 2 of 2**Drawn By:** PT**Checked By:** DR**Scale:** N/A

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APPENDIX 3

LANDMARK ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

276605843_1_1

Customer Reference:

1950

National Grid Reference:

594210, 253960

Slice:

A

Site Area (Ha):

0.31

Search Buffer (m):

1000

Site Details:

Moat Farm, Bury Road
Thorpe Morieux
BURY ST. EDMUNDS
IP30 0NR

Client Details:

Mr C Duffield
Green Earth Management Ltd
Building 2
Broomfield Park
Coggeshall Road
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Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	16
Hazardous Substances	-
Geological	17
Industrial Land Use	19
Sensitive Land Use	20
Data Currency	21
Data Suppliers	27
Useful Contacts	28

Introduction

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

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Report Version v53.0

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		3	5	24
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 8	Yes			
Pollution Incidents to Controlled Waters	pg 9		1	2	2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 9			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 10				1 (*2)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 10	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones	pg 11	1			
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 11		8	12	19

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 16	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 16				2
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 17	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 17	Yes		Yes	
BGS Recorded Mineral Sites					
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 17	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 17	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 17	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production					
Points of Interest - Public Infrastructure	pg 19			2	2
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 20				2
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 20	2			1
Ramsar Sites					
Sites of Special Scientific Interest	pg 20				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	A13NW (SW)	0	1	594210 253961
1	Discharge Consents Operator: Mr M C Dinkele Property Type: Domestic Property (Single) Location: Woodlands Bury Road, Thorpe Morieux, Bury St. Edmunds, Ip30 0nr Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf10030 Permit Version: 1 Effective Date: 19th January 1995 Issued Date: 19th January 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (N)	83	2	594240 254070
1	Discharge Consents Operator: Mr & Mrs P.G. Woods Property Type: Domestic Property (Single) Location: Woodlands Bury Road, Thorpe Morieux, Bury St. Edmunds, Ip30 0nr Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nf232 Permit Version: 1 Effective Date: 23rd May 1986 Issued Date: 23rd May 1986 Revocation Date: 18th August 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Brett Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13NE (N)	83	2	594240 254070
1	Discharge Consents Operator: Mr C E Webster Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Woodview Bury Road, Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0nr Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Prenf16377 Permit Version: 1 Effective Date: 4th June 2004 Issued Date: 4th June 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: A Trib Of The River Brett Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	103	2	594282 254079
2	Discharge Consents Operator: Suffolk Housing Society Property Type: Not Supplied Location: Old Bury Road Thorpe Morieux, Lavenham, Suffolk Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prenf00427 Permit Version: 1 Effective Date: 23rd January 1989 Issued Date: 23rd January 1989 Revocation Date: 14th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A13SW (S)	283	2	594200 253650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Babergh D.C. Property Type: Not Supplied Location: Bury Road Council Hses Thorpe Morieux, Bury St Edmunds, Suffolk Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe00174 Permit Version: 1 Effective Date: 6th February 1974 Issued Date: 6th February 1974 Revocation Date: 12th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib R.Brett Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8NW (S)	332	2	594200 253600
4	Discharge Consents Operator: Mr Eric Oxley Property Type: Domestic Property (Single) Location: Wheelwright'S Cottage Bury Road, Thorpe Morieux, Suffolk, ,, Ip30 0nr Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Npswqd008657 Permit Version: 1 Effective Date: 31st July 2009 Issued Date: 31st July 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Brett Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NW (S)	408	2	594156 253525
5	Discharge Consents Operator: Suffolk Housing Society Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Bungalows For The Elderley Bury Road, Thorpe Morieux, Suffolk, Ip30 0qq Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf04034 Permit Version: 2 Effective Date: 9th October 1992 Issued Date: 9th October 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A8NW (S)	432	2	594200 253500
5	Discharge Consents Operator: Suffolk Housing Society Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Bungalows For The Elderley Bury Road, Thorpe Morieux, Suffolk, Ip30 0qq Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prenf04034 Permit Version: 1 Effective Date: 10th December 1990 Issued Date: 10th December 1990 Revocation Date: 8th October 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A8NW (S)	432	2	594200 253500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Thorpe Morieux B'Sm Stw, Thorpe Morieux, Bury St. Edmunds, Ip30 Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Aw2nfe01163 Permit Version: 4 Effective Date: 14th May 1984 Issued Date: 14th May 1984 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8NE (S)	559	2	594400 253400
6	Discharge Consents Operator: Anglian Water Services Ltd. Property Type: Sewage Disposal Works - Water Company Location: Thorpe Morieux B'Sm Stw, Thorpe Morieux, Bury St. Edmunds, Ip30 Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Aw2nf1163 Permit Version: 2 Effective Date: 2nd January 1981 Issued Date: 2nd January 1981 Revocation Date: 13th May 1984 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8NE (S)	559	2	594400 253400
6	Discharge Consents Operator: Anglian Water Services Ltd. Property Type: Sewage Disposal Works - Water Company Location: Thorpe Morieux B'Sm Stw, Thorpe Morieux, Bury St. Edmunds, Ip30 Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Aw2nf1163 Permit Version: 3 Effective Date: 14th May 1984 Issued Date: 2nd January 1981 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8NE (S)	559	2	594400 253400
6	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Thorpe Morieux B'Sm Stw, Thorpe Morieux, Bury St. Edmunds, Ip30 Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Aw2nfe01163 Permit Version: 3 Effective Date: 1st October 1980 Issued Date: 1st October 1980 Revocation Date: 13th May 1984 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8NE (S)	559	2	594400 253400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Thorpe Morieux B'Sm Stw, Thorpe Morieux, Bury St. Edmunds, Ip30 Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Aw2nfe01163 Permit Version: 1 Effective Date: 20th February 1963 Issued Date: 20th February 1963 Revocation Date: 1st October 1980 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8NE (S)	559	2	594400 253400
7	Discharge Consents Operator: Mr & Mrs Cameron Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: The Nook Alms House Green, Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0np Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Prenf20876 Permit Version: 1 Effective Date: 25th October 2007 Issued Date: 25th October 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Ditch River Brett Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	581	2	593750 253550
8	Discharge Consents Operator: A J Simpson Esq. Property Type: Domestic Property (Single) Location: Jennings, Bury Road, Thorpe Morieux, Suffolk, Ip30 0ns Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Prenf11686 Permit Version: 1 Effective Date: 25th May 1999 Issued Date: 13th August 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Brett Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A18NW (N)	685	2	594140 254670
9	Discharge Consents Operator: Strutt & Parker Farms Ltd Property Type: Domestic Property (Multiple) Location: Jaggards Cottages Thorpe Morieux, Nr. Cockfield, Bury St Edmunds, Suffolk, Ip30 0nw Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Prenf11899 Permit Version: 1 Effective Date: 10th November 1999 Issued Date: 8th February 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Brett Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8SW (S)	708	2	594100 253230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Thorpe Morieux P.O. Stw, Thorpe Morieux, Bury St. Edmunds, Ip30 Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Aw2nfe12969 Permit Version: 3 Effective Date: 14th May 1984 Issued Date: 14th May 1984 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	752	2	594400 253200
10	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Thorpe Morieux P.O. Stw, Thorpe Morieux, Bury St. Edmunds, Ip30 Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Aw2nfe12966 Permit Version: 2 Effective Date: 2nd January 1981 Issued Date: 2nd January 1981 Revocation Date: 13th May 1984 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	752	2	594400 253200
10	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Thorpe Morieux P.O. Stw, Thorpe Morieux, Bury St. Edmunds, Ip30 Authority: Environment Agency, Anglian Region Catchment Area: River Brett (Hadleigh) Reference: Aw2nfe12969 Permit Version: 1 Effective Date: 27th August 1969 Issued Date: 27th August 1969 Revocation Date: 13th May 1984 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Brett Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	752	2	594400 253200
11	Discharge Consents Operator: The Occupiers (Thorpe Barns) Property Type: Domestic Property (Multiple) Location: Thorpe Barn Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0nw Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Pr2nfe01381 Permit Version: 2 Effective Date: 4th November 1993 Issued Date: 4th November 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Old River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	850	2	594400 253100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Mr Morley/Berriman/Sir Rhodes Property Type: Domestic Property (Multiple) Location: Thorpe Barn Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0nw Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe03282 Permit Version: 1 Effective Date: 25th October 1982 Issued Date: 25th October 1982 Revocation Date: 28th August 1998 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Old River Brett Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	850	2	594400 253100
11	Discharge Consents Operator: D K & C I Berriman Property Type: Domestic Property (Multiple) Location: Thorpe Barn Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0nw Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe01381 Permit Version: 1 Effective Date: 10th June 1981 Issued Date: 10th June 1981 Revocation Date: 3rd November 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Brett Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	850	2	594400 253100
11	Discharge Consents Operator: Mr & Mrs G Morley Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Thorpe Hall Stables Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0nw Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prenf11485 Permit Version: 1 Effective Date: 28th August 1998 Issued Date: 28th August 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Old River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8SE (S)	889	2	594400 253060
11	Discharge Consents Operator: Mike & Sue Newall Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Thorpe Hall Stables Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0nw Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf11484 Permit Version: 1 Effective Date: 28th August 1998 Issued Date: 28th August 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Old River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	889	2	594400 253060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Mr& Mrs G Morley Property Type: Undefined Or Other Location: Thorpe Hall Stables Thorpe Morieux, Bury St Edmunds, Suffolk Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf11485 Permit Version: 1 Effective Date: 28th August 1998 Issued Date: 28th August 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Old River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8SE (S)	889	2	594400 253060
11	Discharge Consents Operator: Ronald C Reinelt Dfc Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Thorpe Hall Stables Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0nw Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf11487 Permit Version: 1 Effective Date: 28th August 1998 Issued Date: 28th August 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Old River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8SE (S)	889	2	594400 253060
11	Discharge Consents Operator: Sir P A Rhodes Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Thorpe Hall Stables Thorpe Morieux, Bury St Edmunds, Suffolk, Ip30 0nw Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf11486 Permit Version: 1 Effective Date: 28th August 1998 Issued Date: 28th August 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Old River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8SE (S)	889	2	594400 253060
12	Discharge Consents Operator: Mr H Morland Property Type: Domestic Property (Single) Location: Grove Farm Farmhouse, Thorpe Morieux, Suffolk, Ip30 0ns Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nf203 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Trib River Brett Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	851	2	594700 254700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: Mr H Morland Property Type: Domestic Property (Single) Location: Grove Farm Farmhouse, Thorpe Morieux, Suffolk, Ip30 0ns Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Pr2nf203 Permit Version: 1 Effective Date: 18th February 1986 Issued Date: 18th February 1986 Revocation Date: 13th December 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Trib River Brett Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	851	2	594700 254700
13	Discharge Consents Operator: Mr. Brannigan Property Type: Domestic Property (Single) Location: Home Farm Barn Dakings Lane, Thorpe Morieux, Bury Ed Edmunds, Suffolk, Ip30 0nx Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nf929 Permit Version: 1 Effective Date: 17th August 1988 Issued Date: 17th August 1988 Revocation Date: 5th January 1994 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Brett Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	957	2	593900 254900
14	Discharge Consents Operator: Mr T E Pepper Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Valley Farm Barn, Thorpe Morieux, Suffolk, Ip30 0pa Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Pr2nf553 Permit Version: 2 Effective Date: 26th August 1992 Issued Date: 26th August 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Brett Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A12NW (W)	978	2	593200 254000
14	Discharge Consents Operator: Mr Elsdon Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Valley Farm Barn, Thorpe Morieux, Suffolk, Ip30 0pa Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nf553 Permit Version: 1 Effective Date: 17th June 1987 Issued Date: 17th June 1987 Revocation Date: 25th August 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Trib. River Brett Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NW (W)	978	2	593200 254000
	Nearest Surface Water Feature	A13NE (E)	0	-	594242 253973

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Kelvedon District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Brett Tributary Incident Date: 28th September 1993 Incident Reference: 1798 Catchment Area: Not Given Receiving Water: Into And/Or Watercourse Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	13	2	594200 254000
16	Pollution Incidents to Controlled Waters Property Type: Cattle (Dairy) Farming: Other Location: Kelvedon District Authority: Environment Agency, Anglian Region Pollutant: Organic Wastes: Cattle Manure (solid) Note: River Brett Tributary Incident Date: 5th March 1997 Incident Reference: 3060 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	349	2	594400 254295
17	Pollution Incidents to Controlled Waters Property Type: Cattle (Dairy) Farming: Other Location: THORPE MORIEUX Authority: Environment Agency, Anglian Region Pollutant: Organic Wastes: Cattle Manure (solid) Note: Tributary Of River Brett Incident Date: 5th March 1997 Incident Reference: 3060 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	354	2	594400 254300
18	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Kelvedon District Authority: Environment Agency, Anglian Region Pollutant: Sewage - Septic Tank Effluent Note: River Brett Tributary Incident Date: 18th January 1997 Incident Reference: 3012 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	811	2	594300 254795
18	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: NORTHAMPTON Authority: Environment Agency, Anglian Region Pollutant: Sewage - Septic Tank Effluent Note: Tributary Of River Brett Incident Date: 18th January 1997 Incident Reference: 3012 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	816	2	594300 254800
	River Quality Name: Old R Brett GQA Grade: River Quality E Reach: Brettenham...Chelsworth Estimated Distance (km): 10 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8NE (SE)	458	2	594541 253596

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Water Abstractions Operator: Strutt & Parker (Farms) Ltd., Licence Number: 8/36/17/*g/055 Permit Version: Not Supplied Location: Malting Farm, THORPE MORIEUX Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 16000 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	A8NW (S)	637	2	594200 253295
	Water Abstractions Operator: Strutt & Parker (Farms) Ltd., Licence Number: 8/36/17/*g/055 Permit Version: Not Supplied Location: Thorpe Hall, THORPE MORIEUX Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 27000 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	A7SW (SW)	1158	2	593500 253000
	Water Abstractions Operator: J Northern And Sons Licence Number: 6/33/11/*s/111 Permit Version: Not Supplied Location: River Ouse At, HARROLD Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 5 Yearly Rate (m3): 454550 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	A23NE (N)	1414	2	594300 255400
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Intergranular Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13NW (SW)	0	3	594210 253961
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NW (SW)	0	3	594210 253961
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (SW)	0	3	594210 253961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NW (SW)	0	2	594210 253961
	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				
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SE (E)	7	4	594248 253951
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SE (SE)	12	4	594236 253922
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 274.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13NE (NE)	134	4	594284 254111
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 584.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13NE (NE)	134	4	594284 254111
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SW (S)	135	4	594185 253797
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SW (S)	159	4	594179 253773
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SW (S)	176	4	594174 253756

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SW (S)	250	4	594156 253684
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SW (S)	269	4	594152 253665
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 416.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13NW (W)	290	4	593888 253965
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SW (S)	302	4	594147 253633
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 669.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A14NW (E)	334	4	594580 253989
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 217.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (SW)	370	4	593859 253761
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18SE (N)	394	4	594263 254379
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 287.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Brett Catchment Name: Stour Anglian Primacy: 1	A8NE (SE)	432	4	594470 253573
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1015.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Brett Catchment Name: Stour Anglian Primacy: 1	A14SW (SE)	453	4	594605 253676

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: Underground Permanent: True Watercourse Name: River Brett Catchment Name: Stour Anglian Primacy: 1	A8NE (S)	475	4	594399 253489
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A14NW (NE)	482	4	594616 254283
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1003.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Brett Catchment Name: Stour Anglian Primacy: 1	A8NE (S)	483	4	594398 253480
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 411.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A14NW (NE)	489	4	594617 254293
41	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 28.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8NW (SW)	517	4	593975 253461
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	526	4	593827 253549
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8NW (SW)	534	4	593948 253454
44	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	534	4	593815 253549
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8NW (SW)	539	4	593934 253456

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	539	4	593809 253548
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8NW (SW)	545	4	593937 253448
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	574	4	593787 253521
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 290.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	575	4	593789 253517
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	579	4	593745 253558
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 648.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	581	4	593740 253562
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18SE (N)	631	4	594239 254620
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 683.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8NW (SW)	668	4	593912 253324
54	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18NE (N)	701	4	594235 254689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18NW (N)	737	4	594191 254726
56	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19NW (NE)	801	4	594663 254664
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8SE (S)	803	4	594404 253148
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19NW (NE)	824	4	594677 254682
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SW (W)	950	4	593230 253911

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Babergh District Council - Has supplied landfill data		0	6	594210 253961
	Local Authority Landfill Coverage Name: Suffolk County Council - Has supplied landfill data		0	5	594210 253961
60	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A18NW (N)	753	-	593980 254710
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A18NW (N)	982	-	594184 254971

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)	A13NW (SW)	0	1	594210 253961
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (SW)	0	1	594210 253961
	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	A8NE (SE)	407	1	594471 253604
	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	A12SE (SW)	491	1	593786 253649
	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	A13NW (SW)	0	1	594210 253961
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	249	1	593932 253942

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A13NW (SW)	0	1	594210 253961
	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	A13NW (SW)	0	1	594210 253961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: IP30 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	286	7	594288 253652
62	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: IP30 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	287	7	594288 253651
63	Points of Interest - Public Infrastructure Name: Weir Location: IP30 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	797	7	594428 253160
63	Points of Interest - Public Infrastructure Name: Weir Location: IP30 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	797	7	594428 253160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Ancient Woodland Name: Great Hastings Wood Reference: 1116993 Area(m²): 42922.72 Type: Ancient and Semi-Natural Woodland	A14NW (NE)	584	8	594735 254293
65	Ancient Woodland Name: Little Hastings Wood Reference: 1116996 Area(m²): 49572.42 Type: Plantation on Ancient Woodland	A14SW (E)	670	8	594872 253728
66	Nitrate Vulnerable Zones Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A13NW (SW)	0	3	594210 253961
67	Nitrate Vulnerable Zones Name: Lower Stour Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (SW)	0	3	594210 253961
68	Nitrate Vulnerable Zones Name: River Gipping Nvz Description: Surface Water Source: Environment Agency, Head Office	A18NW (N)	722	3	594210 254711
69	Sites of Special Scientific Interest Name: Thorpe Morieux Woods Multiple Areas: Y Total Area (m2): 452374.56 Source: Natural England Reference: 1001735 Designation Details: Local Wildlife Site Designation Date: 1st April 1985 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 1st April 1985 Date Type: Notified	A14NW (NE)	579	8	594735 254284

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department Environment Agency - Head Office St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services West Suffolk Council	January 2020 January 2020 June 2020 March 2014 March 2014	Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	January 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	January 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services West Suffolk Council Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department	August 2015 August 2015 June 2014 June 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services West Suffolk Council Mid Suffolk District Council - Environmental Health Department Babergh District Council - Environmental Services	August 2015 August 2015 June 2014 June 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Not Applicable
Local Authority Pollution Prevention and Control Enforcements St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department	August 2015 June 2014 June 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2021	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	
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 - Central Area Environment Agency - Anglian Region - Eastern Area	January 2021 January 2021	Quarterly Quarterly
Water Abstractions Environment Agency - Anglian Region	January 2021	Quarterly

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	March 2021	Quarterly
Flood Defences Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines Ordnance Survey	September 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	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 - Central Area Environment Agency - Anglian Region - Eastern Area	January 2021 January 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	January 2021 January 2021	Quarterly Quarterly
Local Authority Landfill Coverage Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services Suffolk County Council West Suffolk 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 West Suffolk Council Mid Suffolk District Council - Environmental Health Department Babergh District Council - Environmental Services St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services Suffolk County Council	April 2006 July 2003 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
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 Mid Suffolk District Council - Planning Department St Edmundsbury Borough Council (now part of West Suffolk Council) - Planning Department West Suffolk Council	February 2006 February 2016 February 2016 June 2016 June 2016	Annual Rolling Update Variable Variable Variable Variable
Planning Hazardous Substance Consents Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department St Edmundsbury Borough Council (now part of West Suffolk Council) - Planning Department West Suffolk Council	February 2006 February 2016 February 2016 February 2016 February 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	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	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	Annual Rolling Update
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	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

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

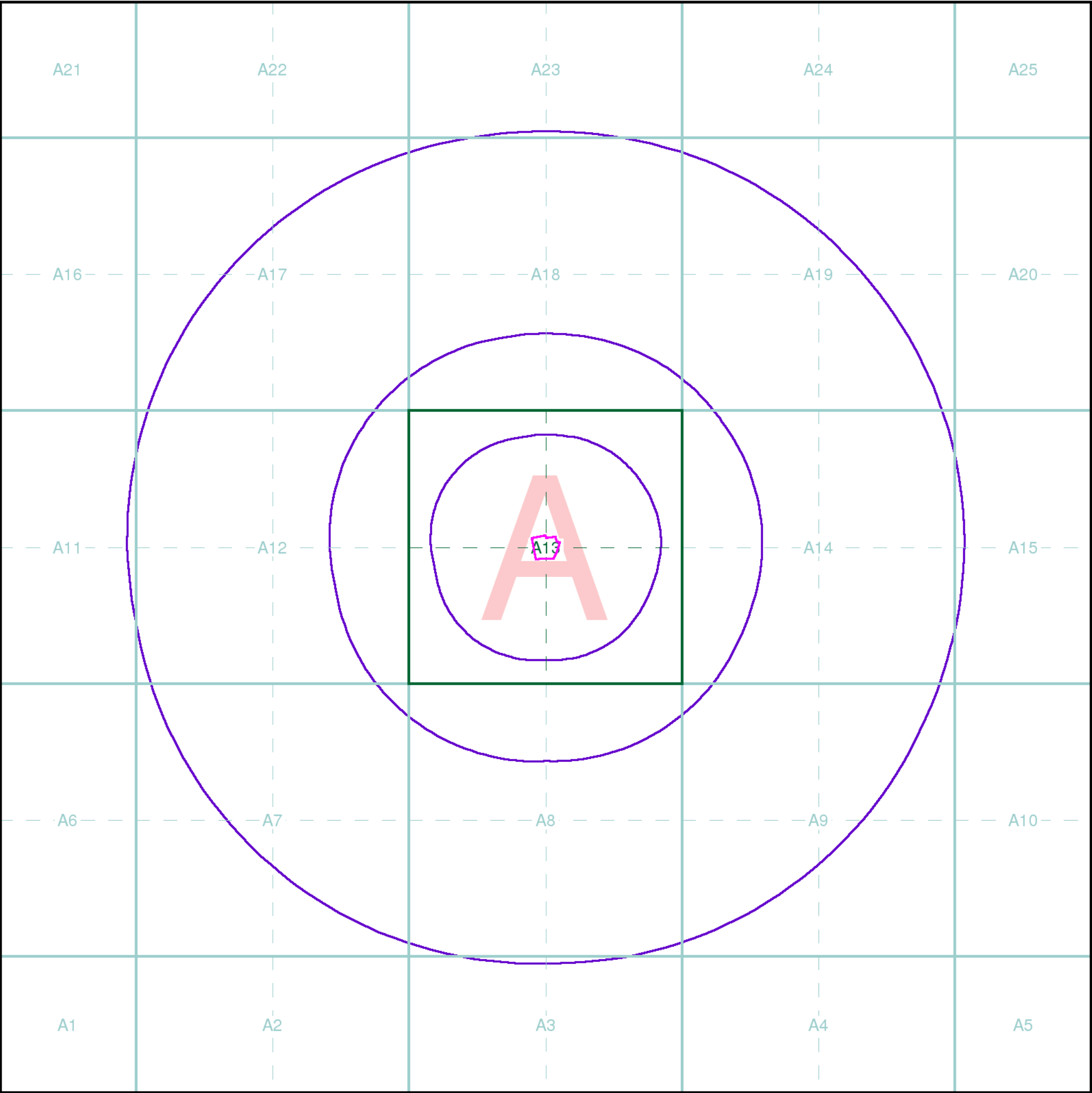
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department St Edmundsbury Borough Council (now part of West Suffolk Council) West Suffolk Council	June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified
Areas of Unadopted Green Belt Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department St Edmundsbury Borough Council (now part of West Suffolk Council) West Suffolk Council	June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
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	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	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	
Stantec UK Ltd	

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	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
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	Babergh District Council - Environmental Services Council Offices, Corks Lane, Hadleigh, Ipswich, Suffolk, IP7 6SJ	Telephone: 01473 825880 Fax: 01473 825738 Website: www.babergh.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Index Map

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

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

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

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr C Duffield, Green Earth Management Ltd, Building 2, Broomfield Park, Coggeshall Road, Earls Colne, Essex, CO6 2JX

Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST. EDMUNDS, IP30 0NR

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



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Web: www.envirocheck.co.uk



General

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

Agency and Hydrological

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

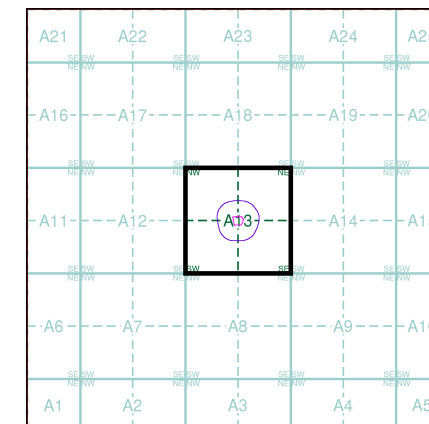
Hazardous Substances

- 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: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Plot Buffer (m): 100

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

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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

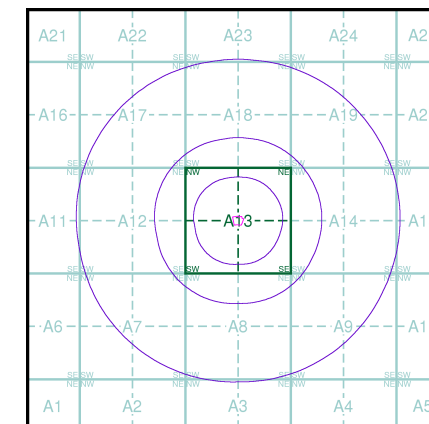
Geological

- 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)
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



Order Details

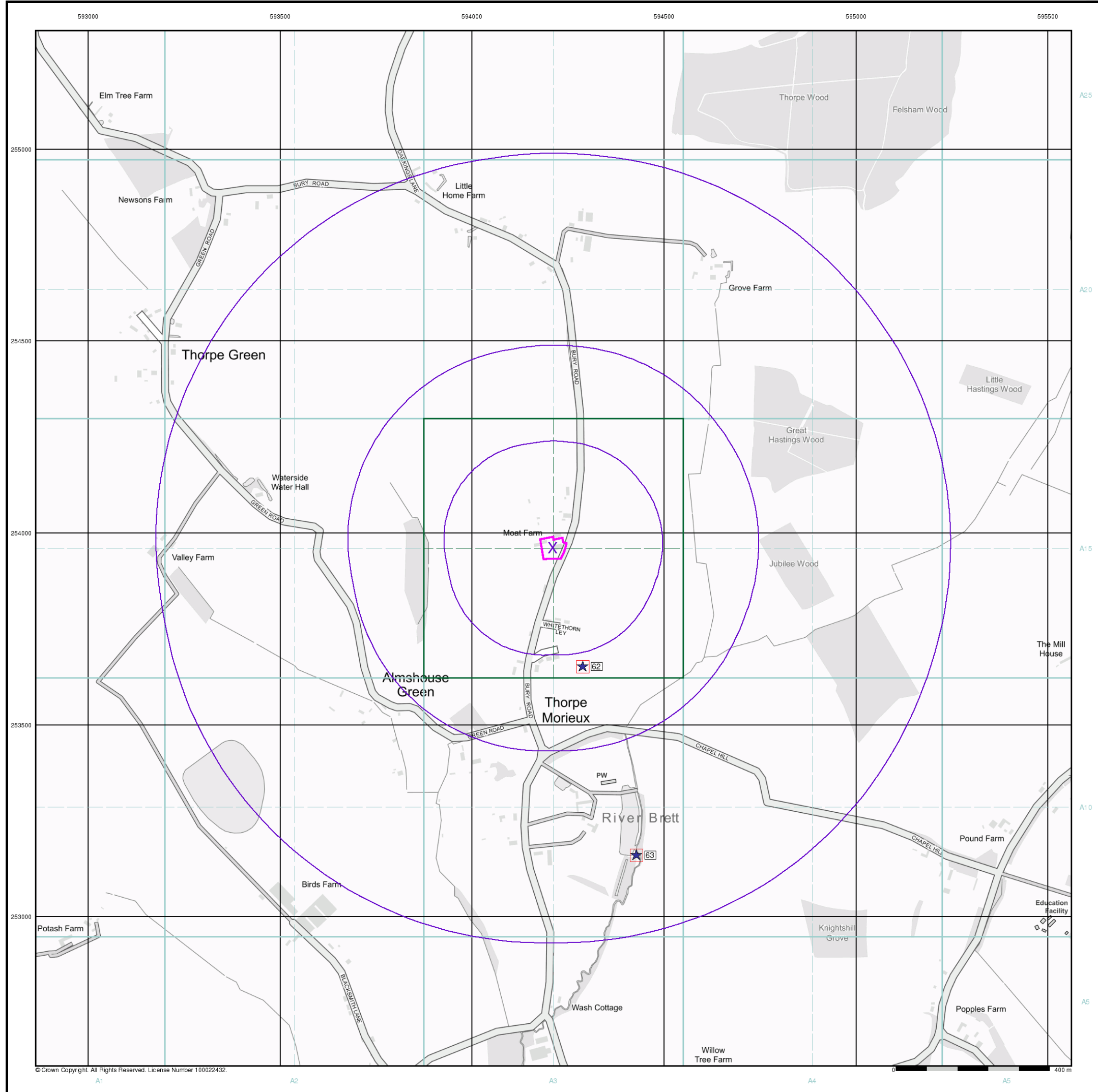
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Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

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INFORMATION GROUP

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Industrial Land Use Map

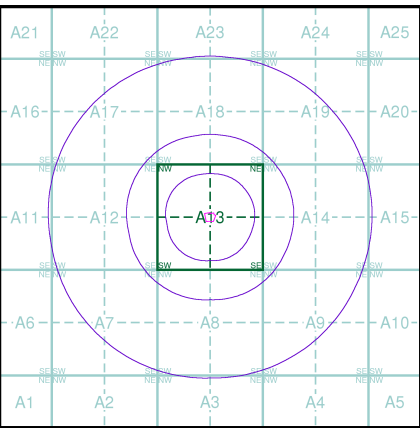
General

- 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: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
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Web: www.envirocheck.co.uk



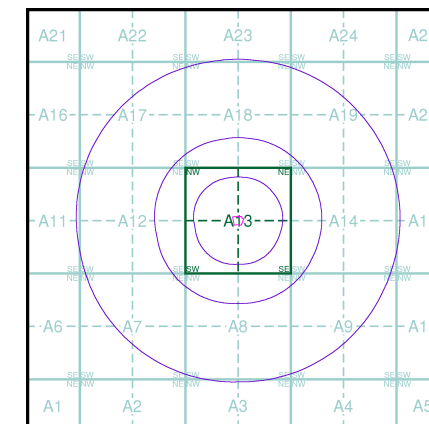
General

- 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

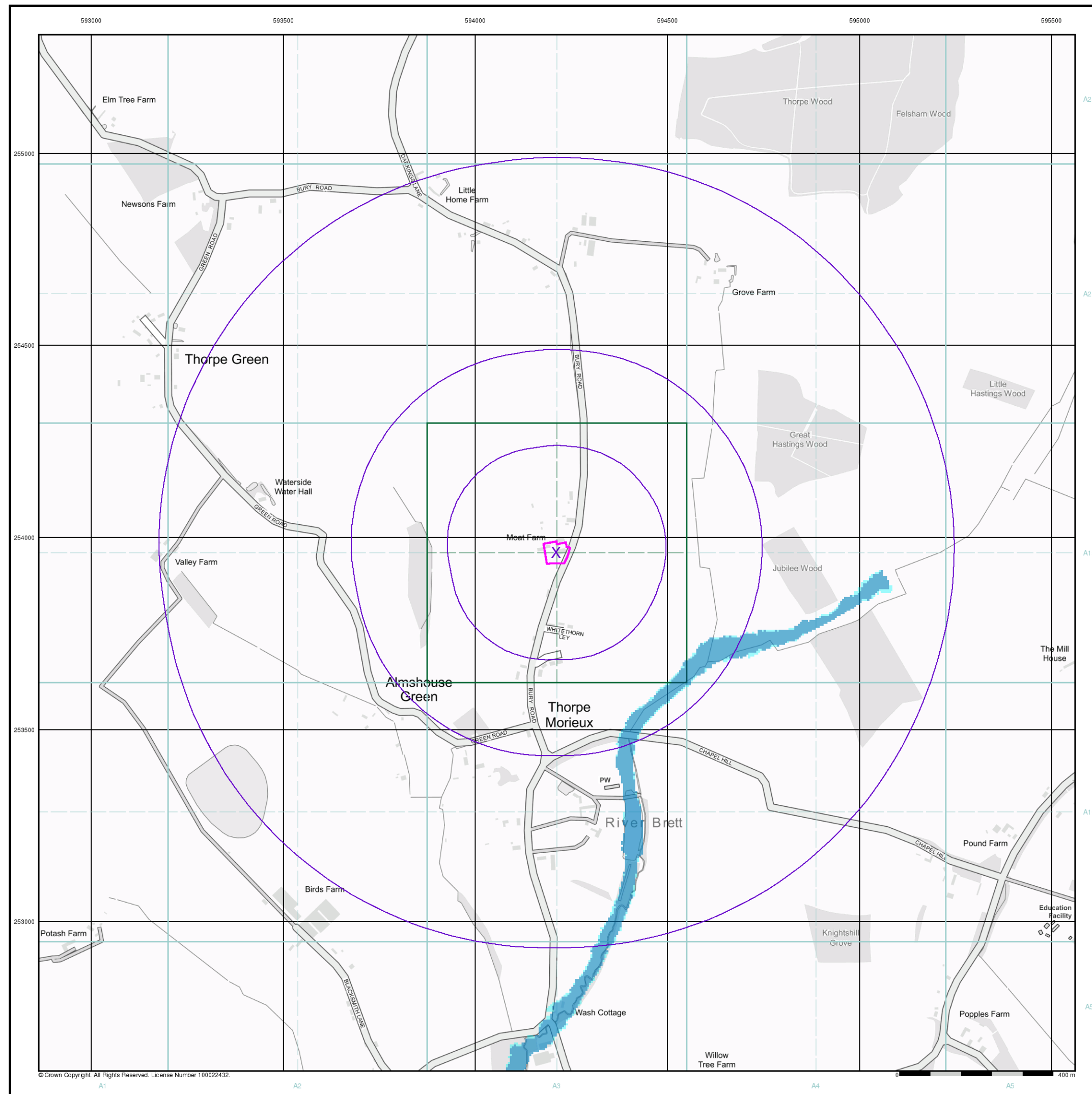
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
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General

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

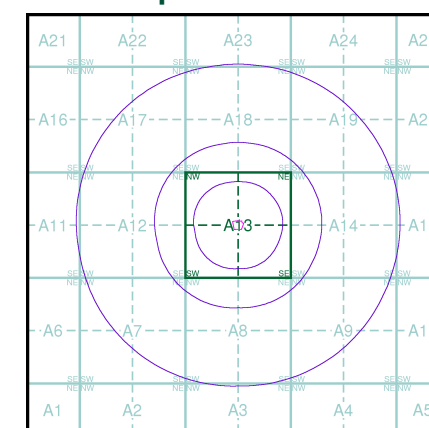
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

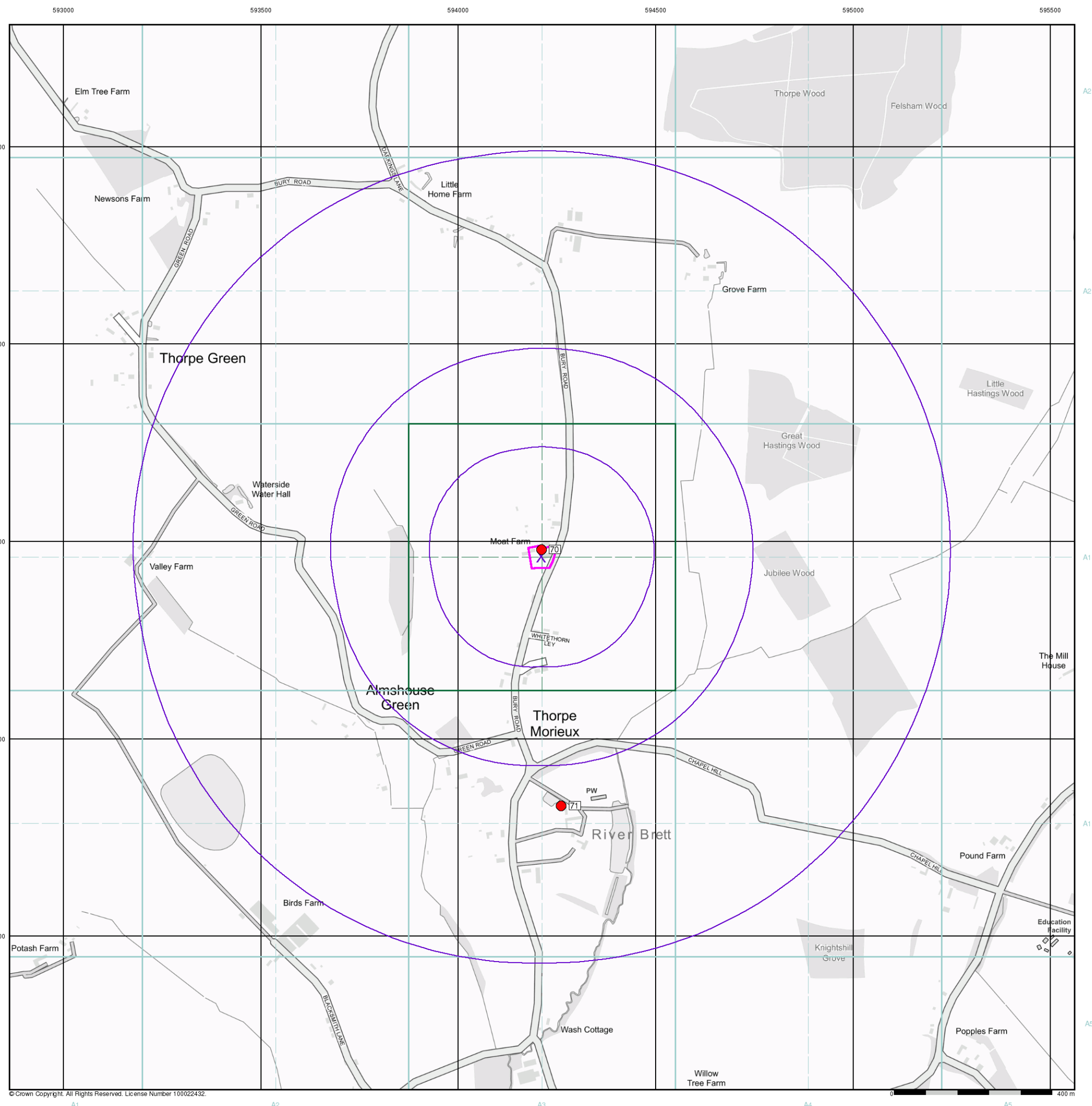
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Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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General

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

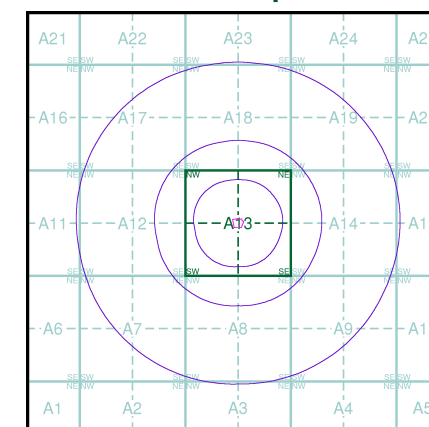
OS Water Network Data

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

Contours (height in meters)

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

OS Water Network Map - Slice A



Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

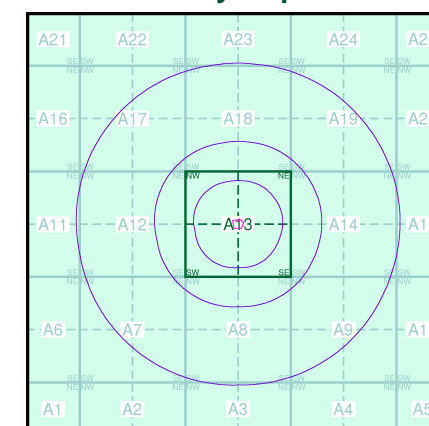
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EANRW Suitability Map - Slice A



Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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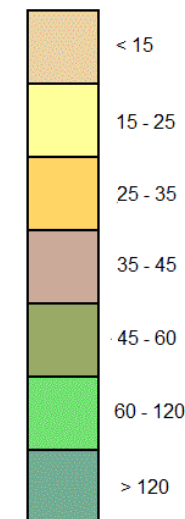


General

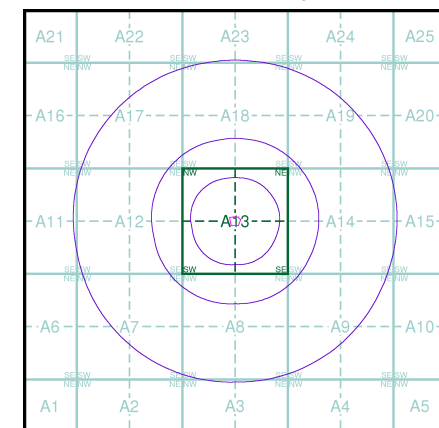
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

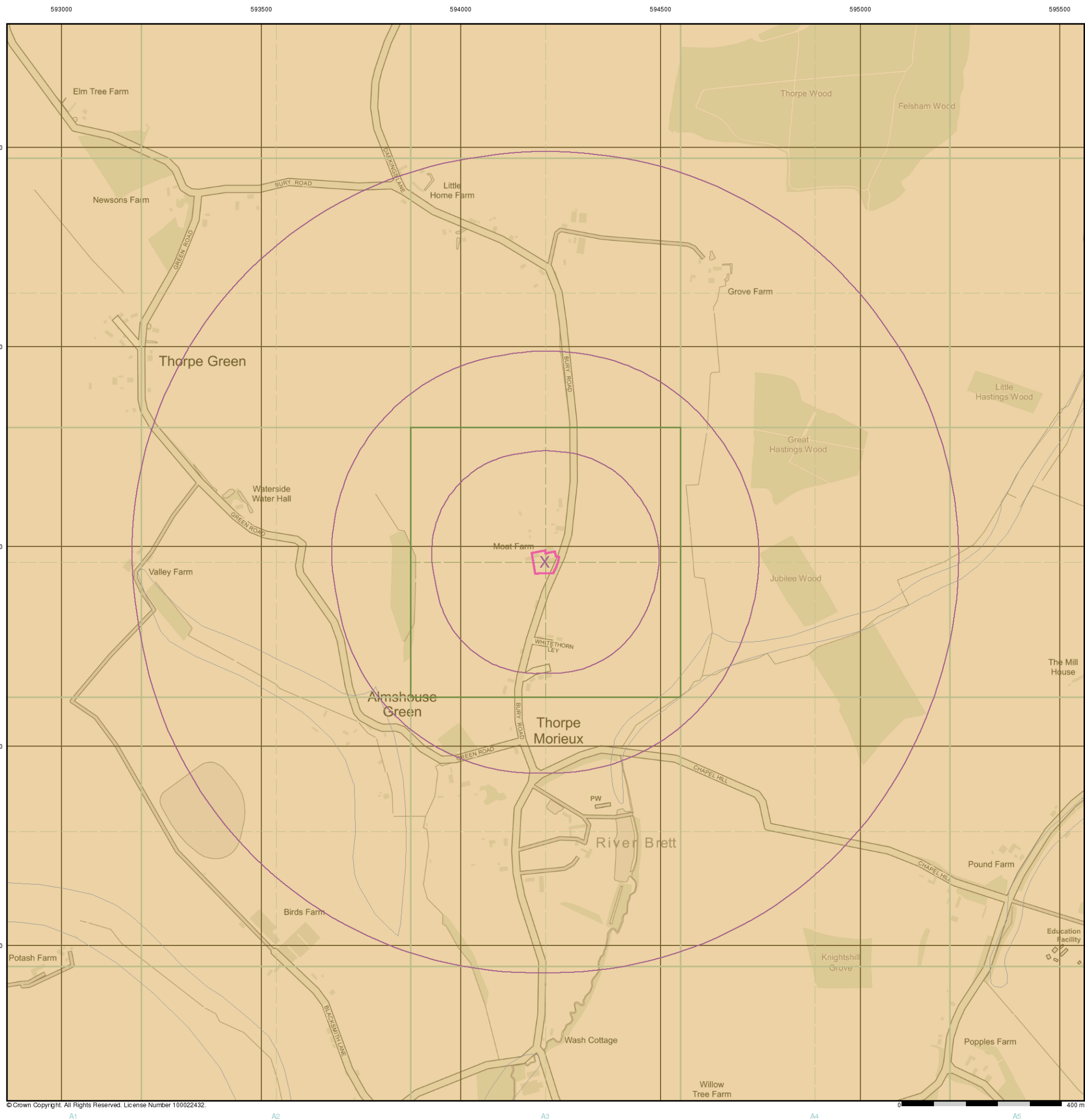
Order Details: 276605843_1_1
 Customer Ref: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
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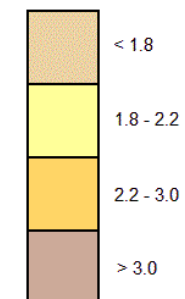


General

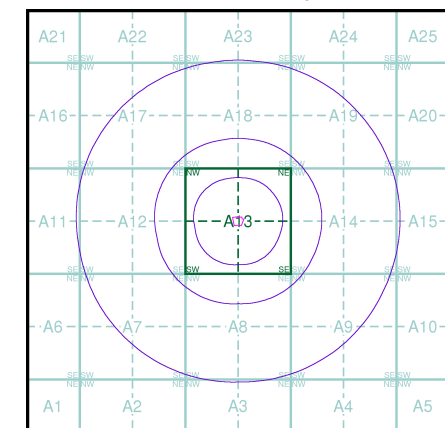
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

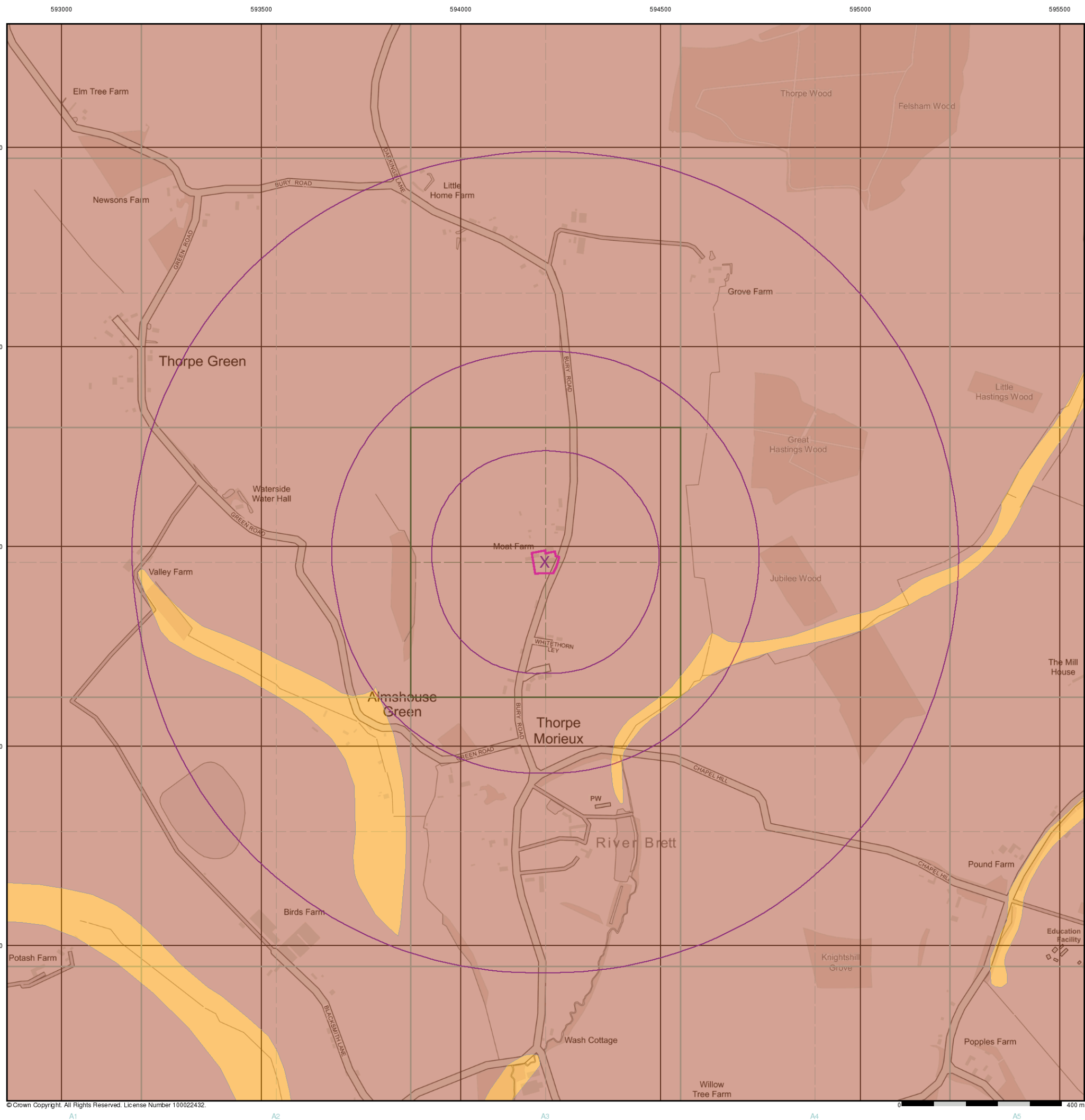
Order Details: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
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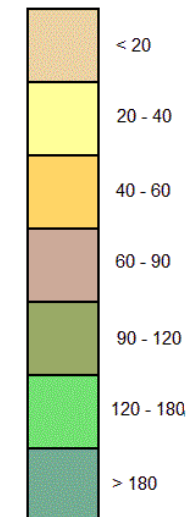


General

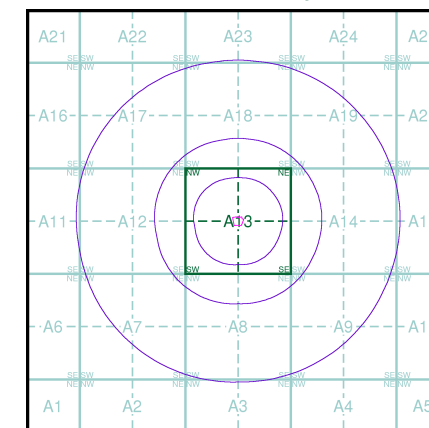
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

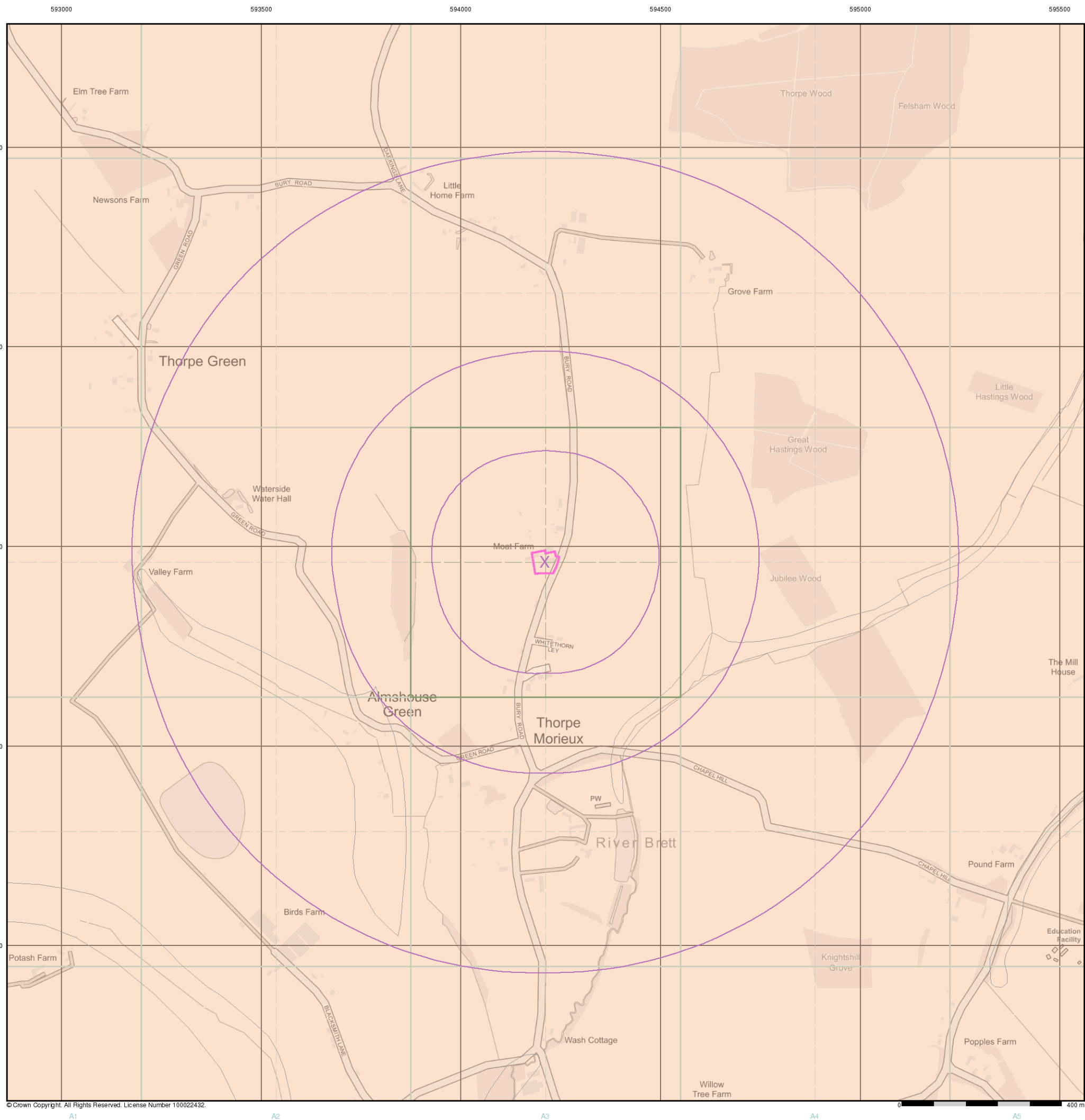
Order Details: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR



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Fax: 0844 844 9951
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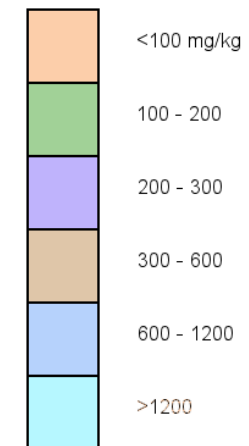


General

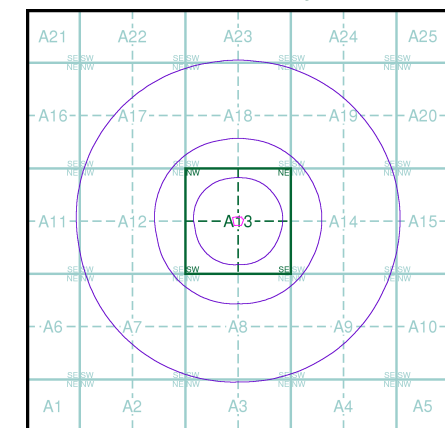
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

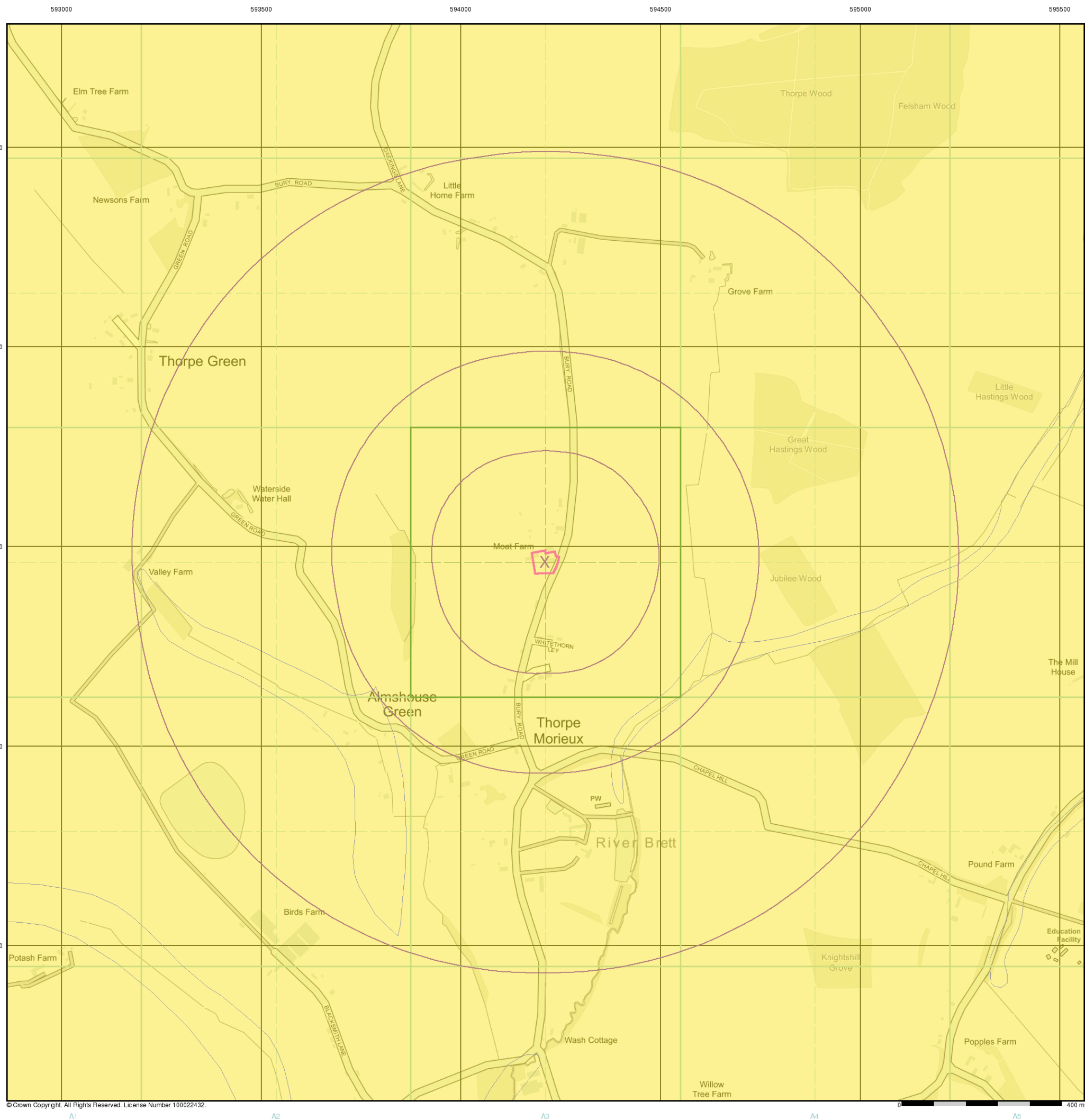
Order Details: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR



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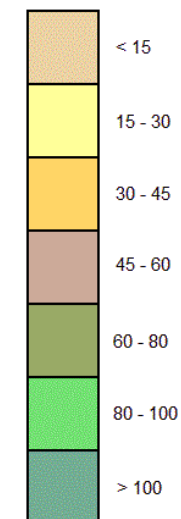


General

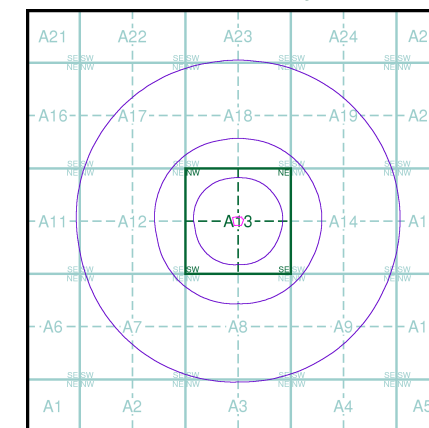
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

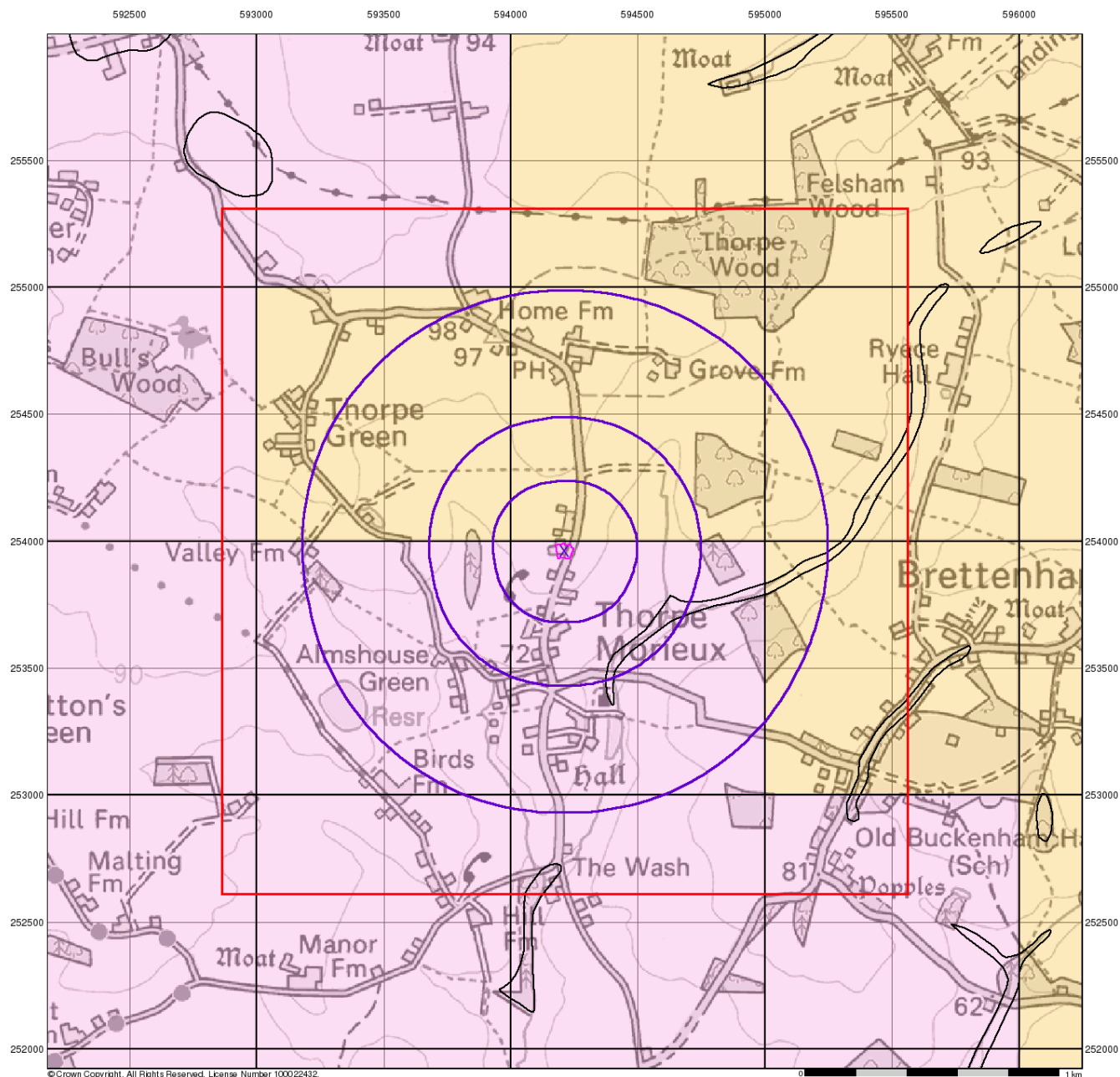
Order Details: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
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Site Details

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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

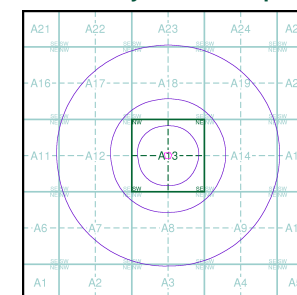
Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

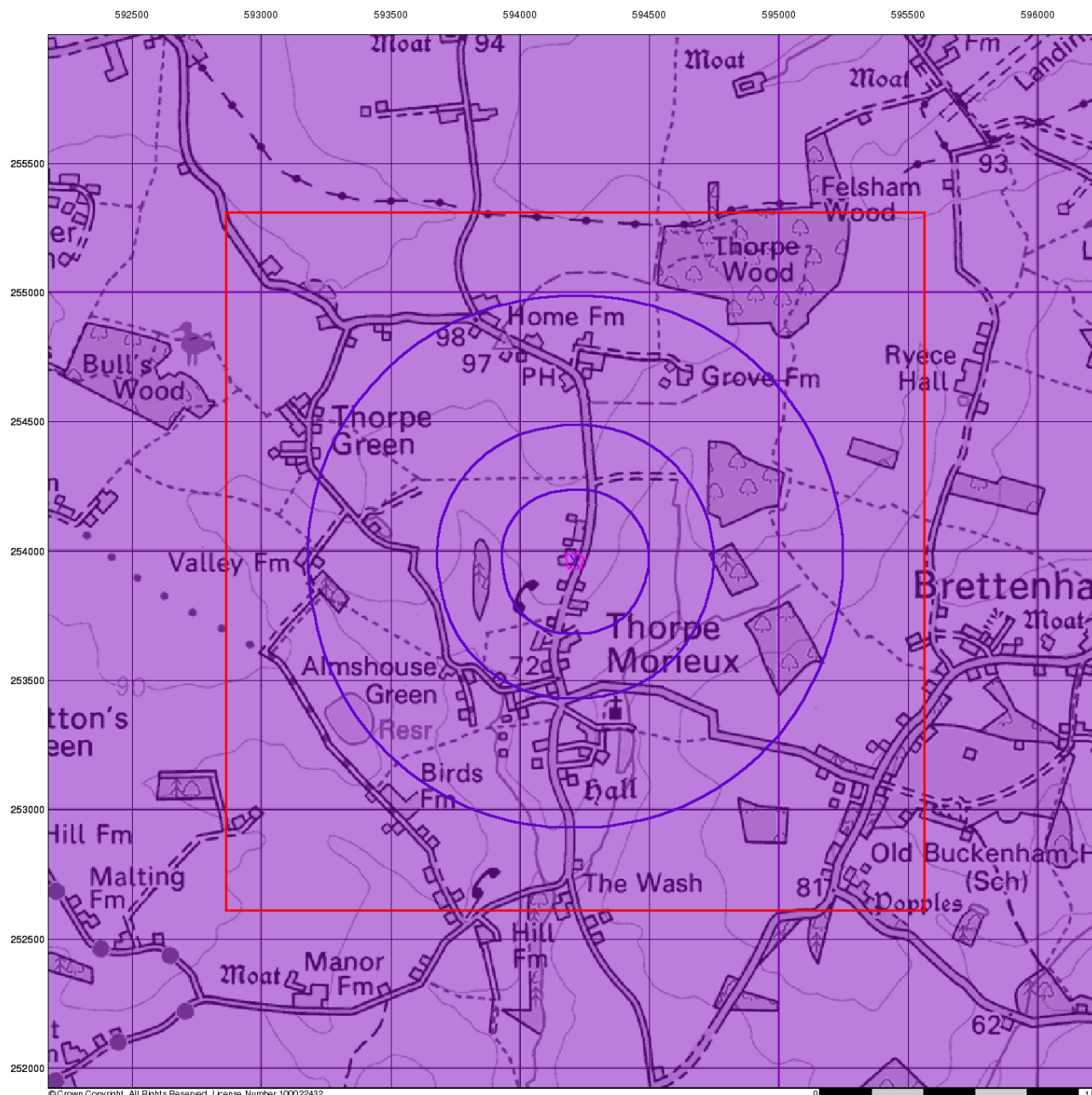
Order Number: 276605843_1_1
 Customer Ref: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

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0 1 km



Bedrock Aquifer Designation

General

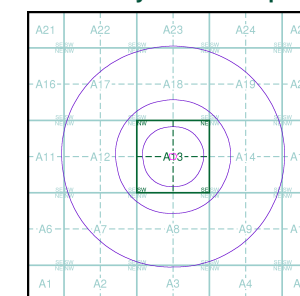
- Specified Site
- Specified Buffer(s)
- Slice
- Bearing Reference Point
- Map ID

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

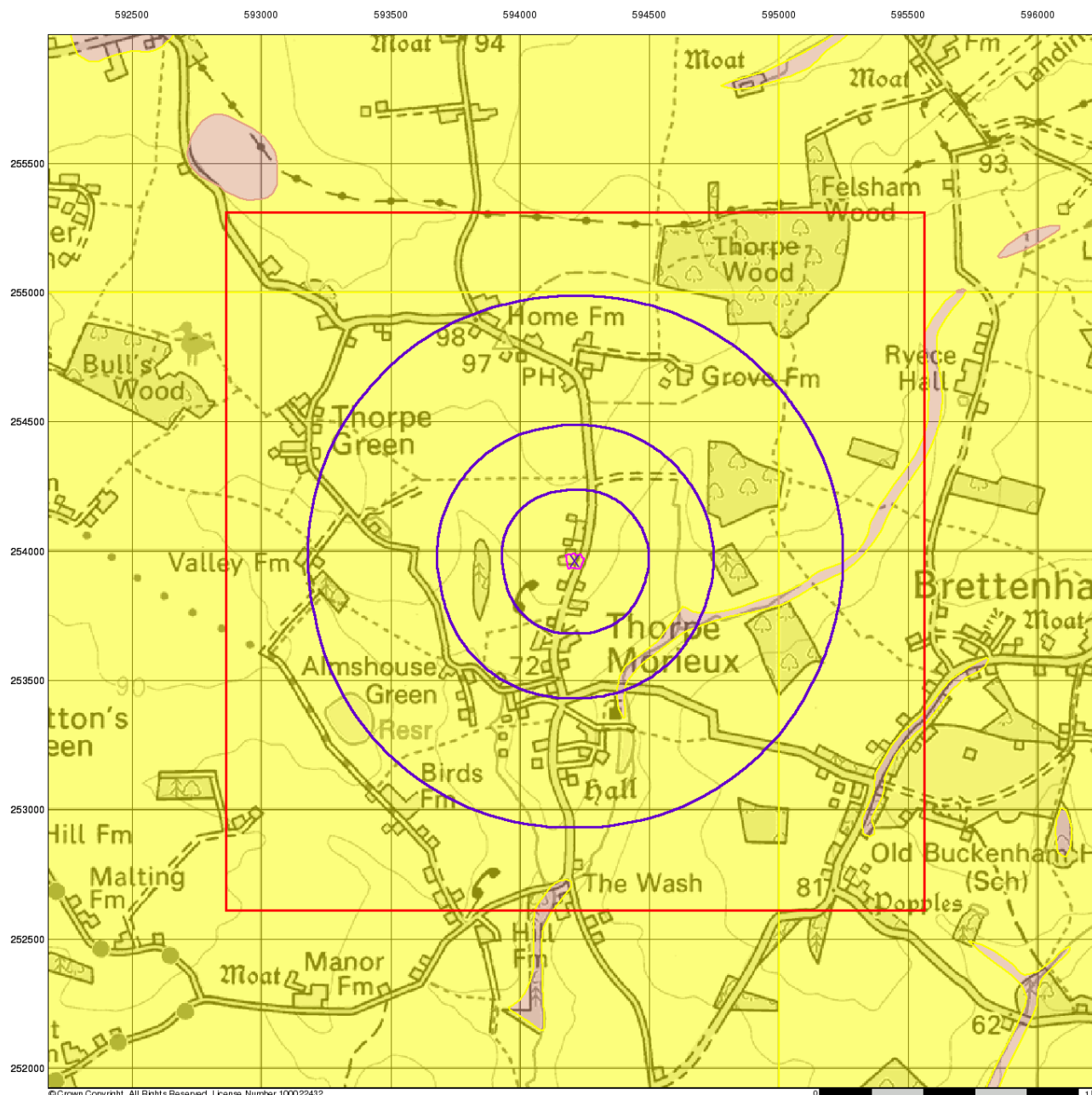
Order Number: 276605843_1_1
 Customer Ref: 1950
 National Grid Reference: 594210, 253960
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 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

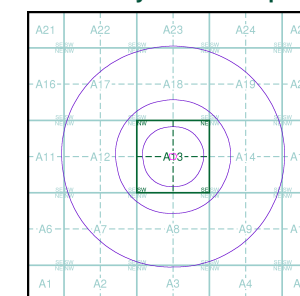
- ◆ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

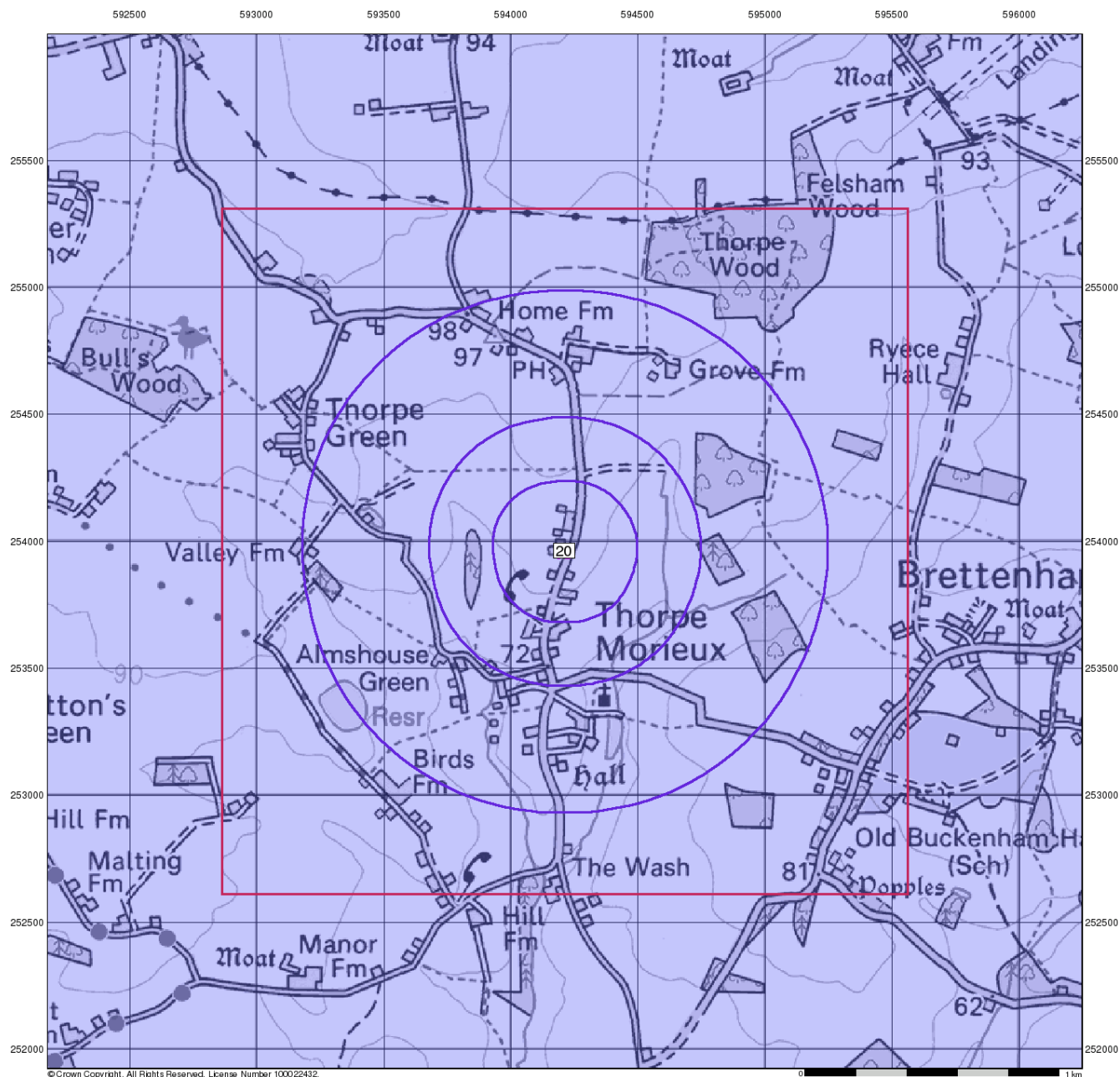
Order Number: 276605843_1_1
 Customer Ref: 1950
 National Grid Reference: 594210, 253960
 Slice: A
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Site Details

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Source Protection Zones

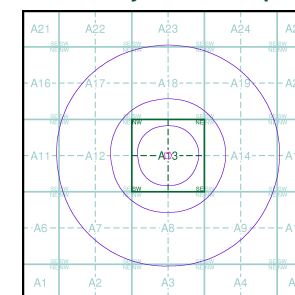
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

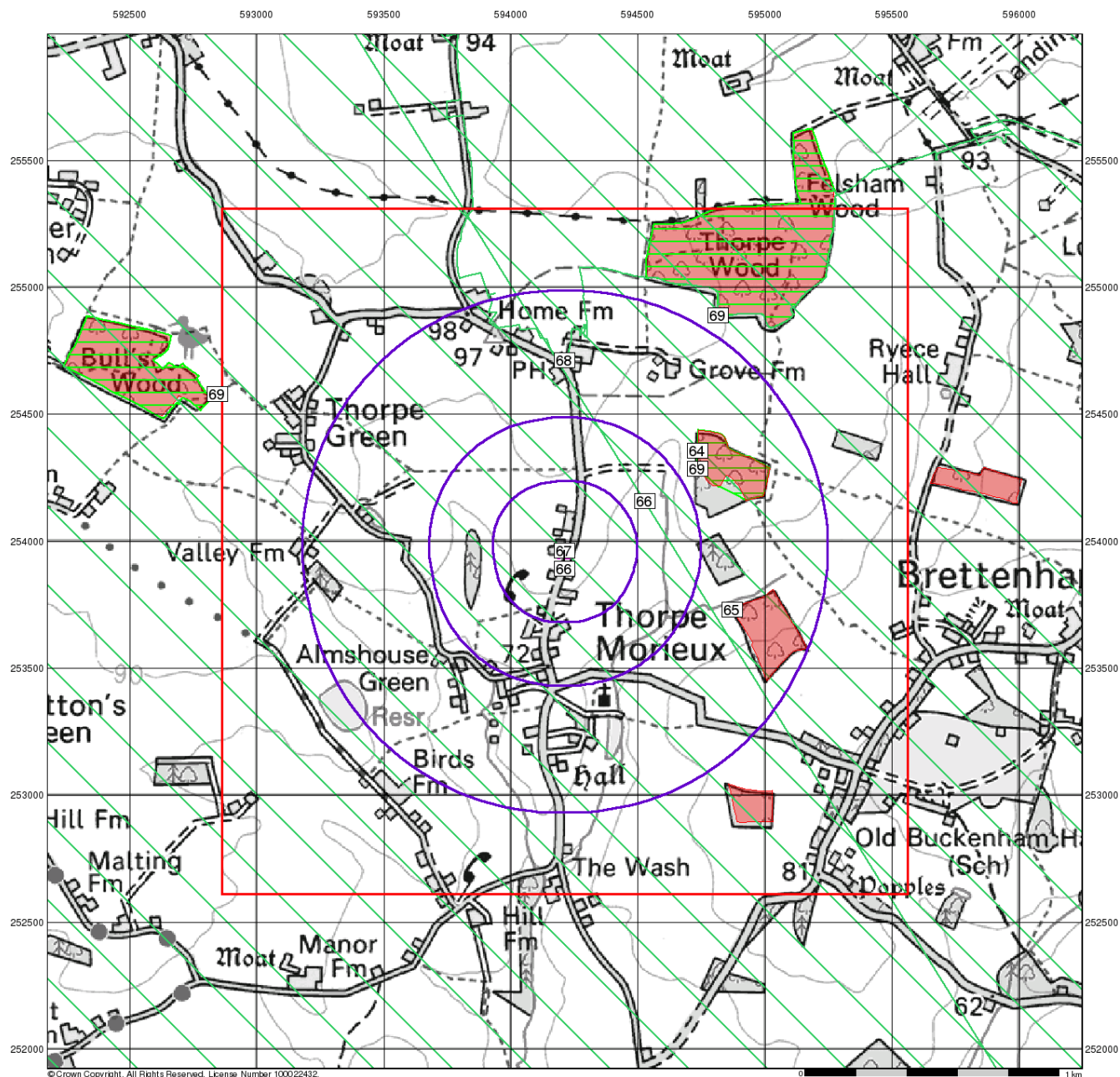
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 Customer Ref: 1950
 National Grid Reference: 594210, 253960
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Sensitive Land Uses

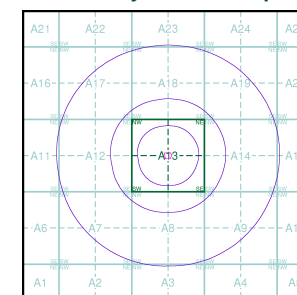
General

- 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

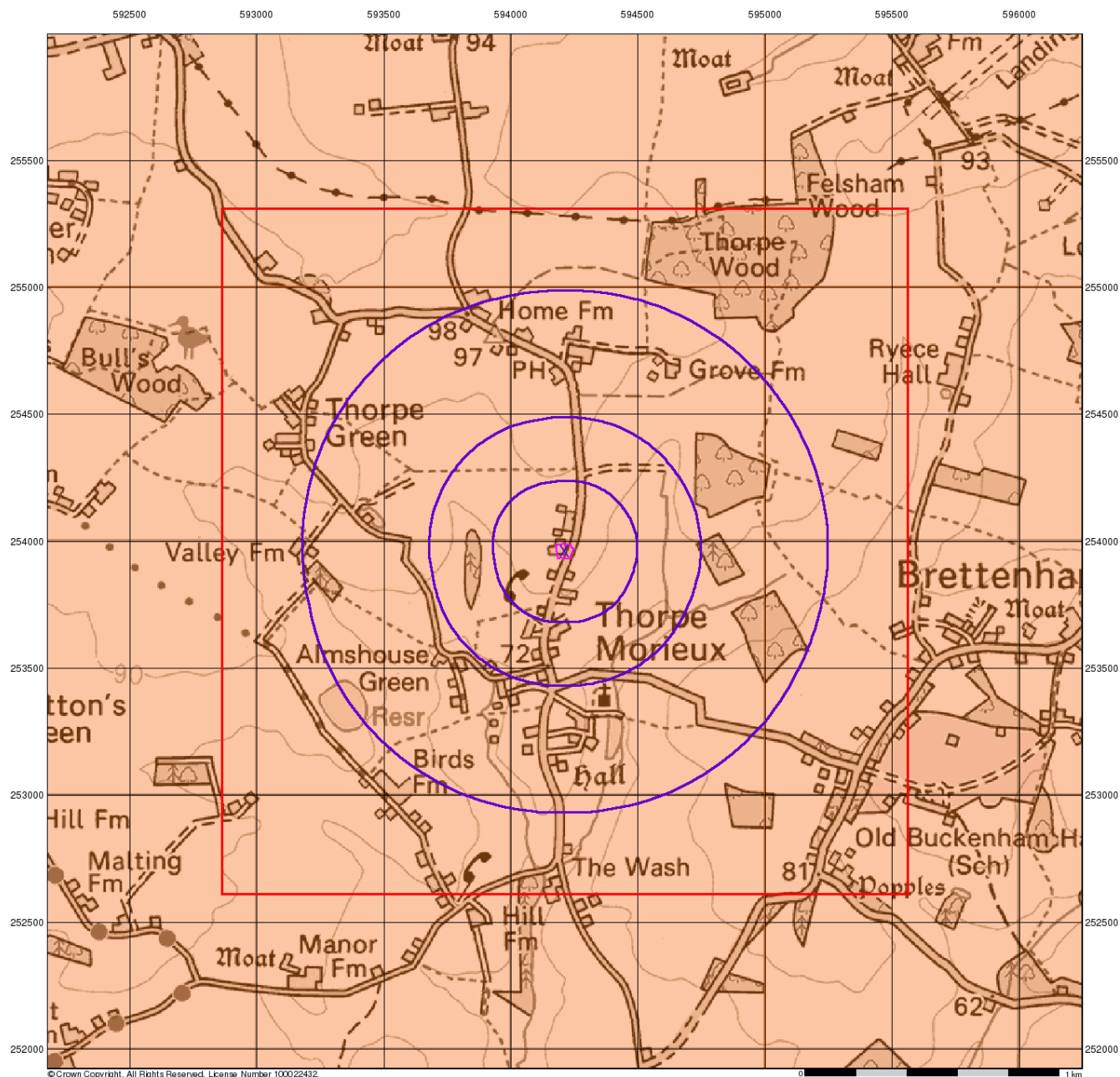
Order Number: 276605843_1_1
 Customer Ref: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
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Site Details

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0 1 km



BGS Flood GFS Data

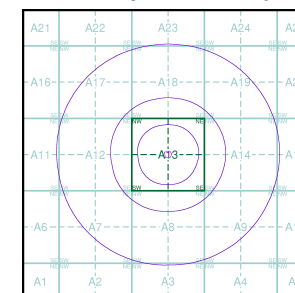
General

- 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: 276605843_1_1
 Customer Ref: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details


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
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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	LOFT	Lowestoft Formation	Diamicton	Not Supplied - Anglian
	CXSG	Croxton Sand and Gravel Member	Sand and Gravel	Not Supplied - Anglian
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CRAG	Crag Group	Sand	Not Supplied - Pliocene
	LCCK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation and Culver Chalk Formation (Undifferentiated)	Chalk	Not Supplied - Turonian



Geology 1:50,000 Maps

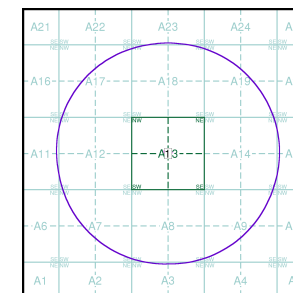
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	206
Map Name:	Sudbury
Map Date:	1991
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

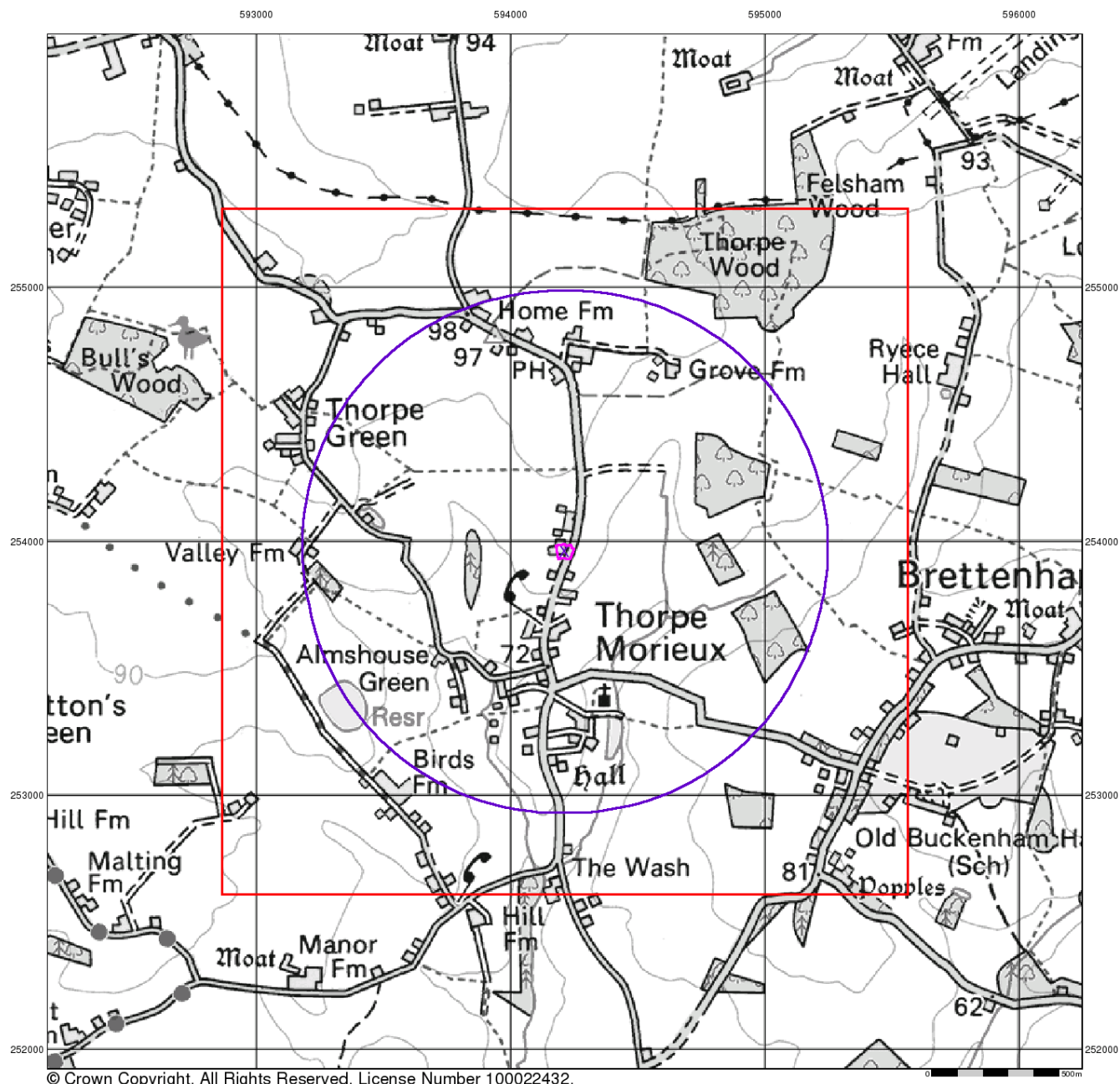
Order Number:	276605843_1_1
Customer Reference:	1950
National Grid Reference:	594210, 253960
Slice:	A
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Artificial Ground and Landslip

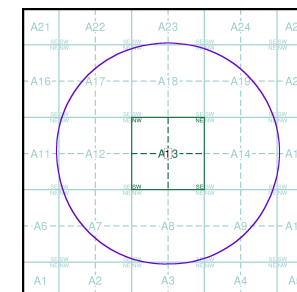
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 276605843_1_1
 Customer Reference: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details:

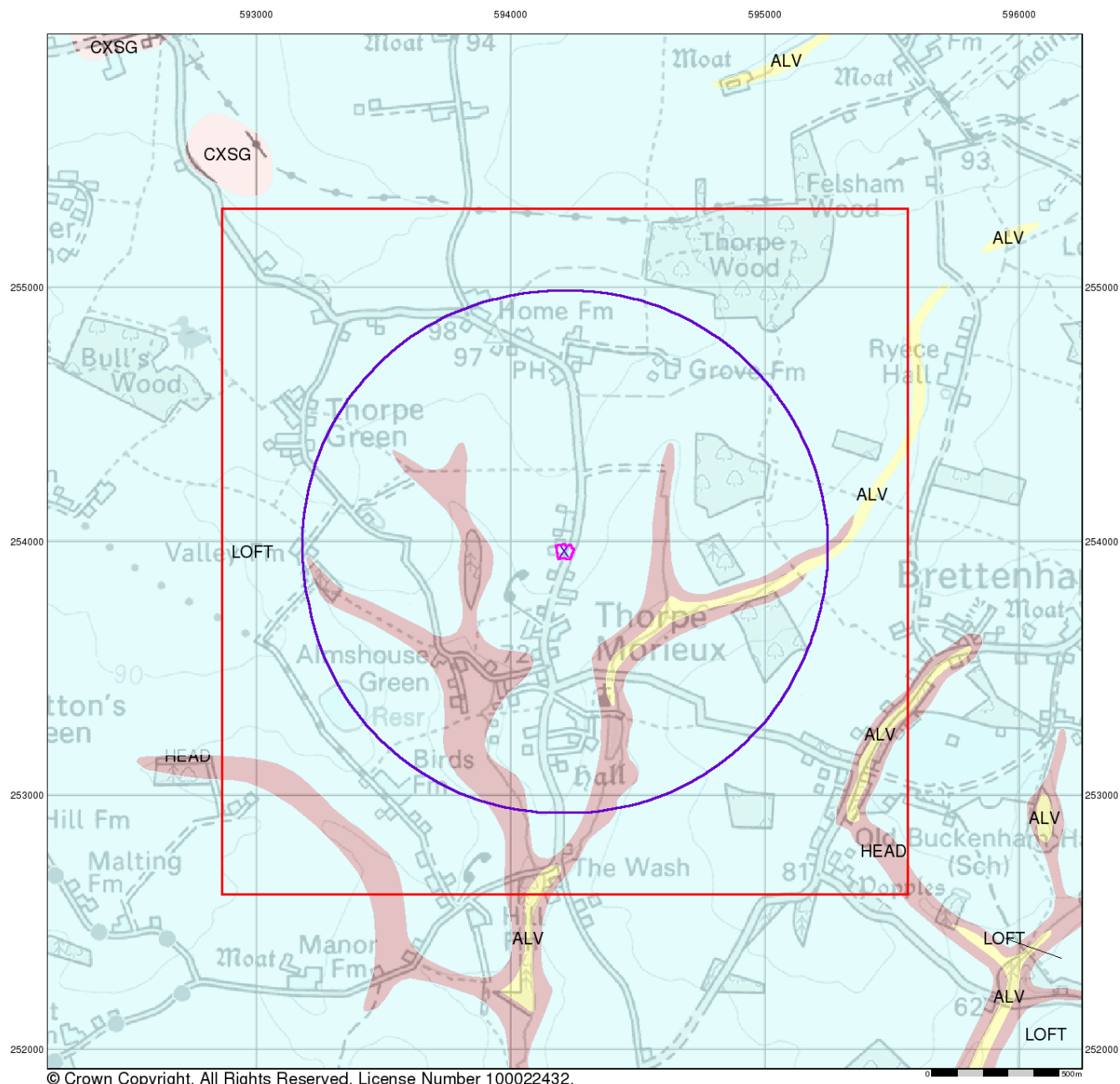
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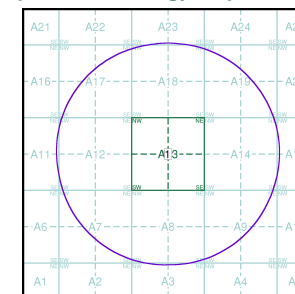
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number: 276605843_1_1
 Customer Reference: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
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Site Details:

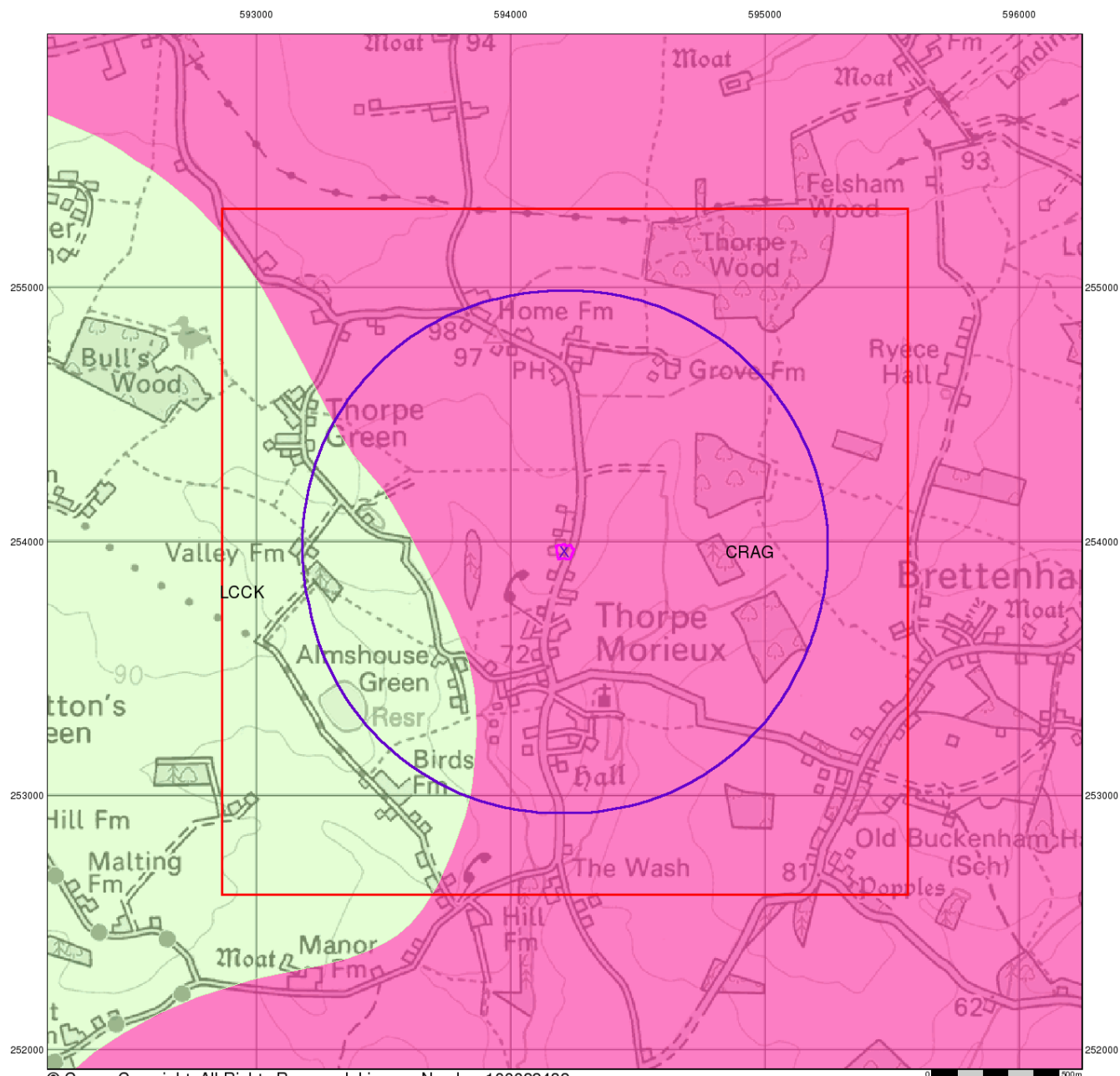
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Bedrock and Faults

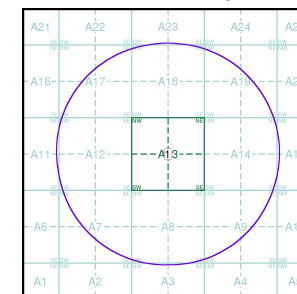
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 276605843_1_1
 Customer Reference: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details:

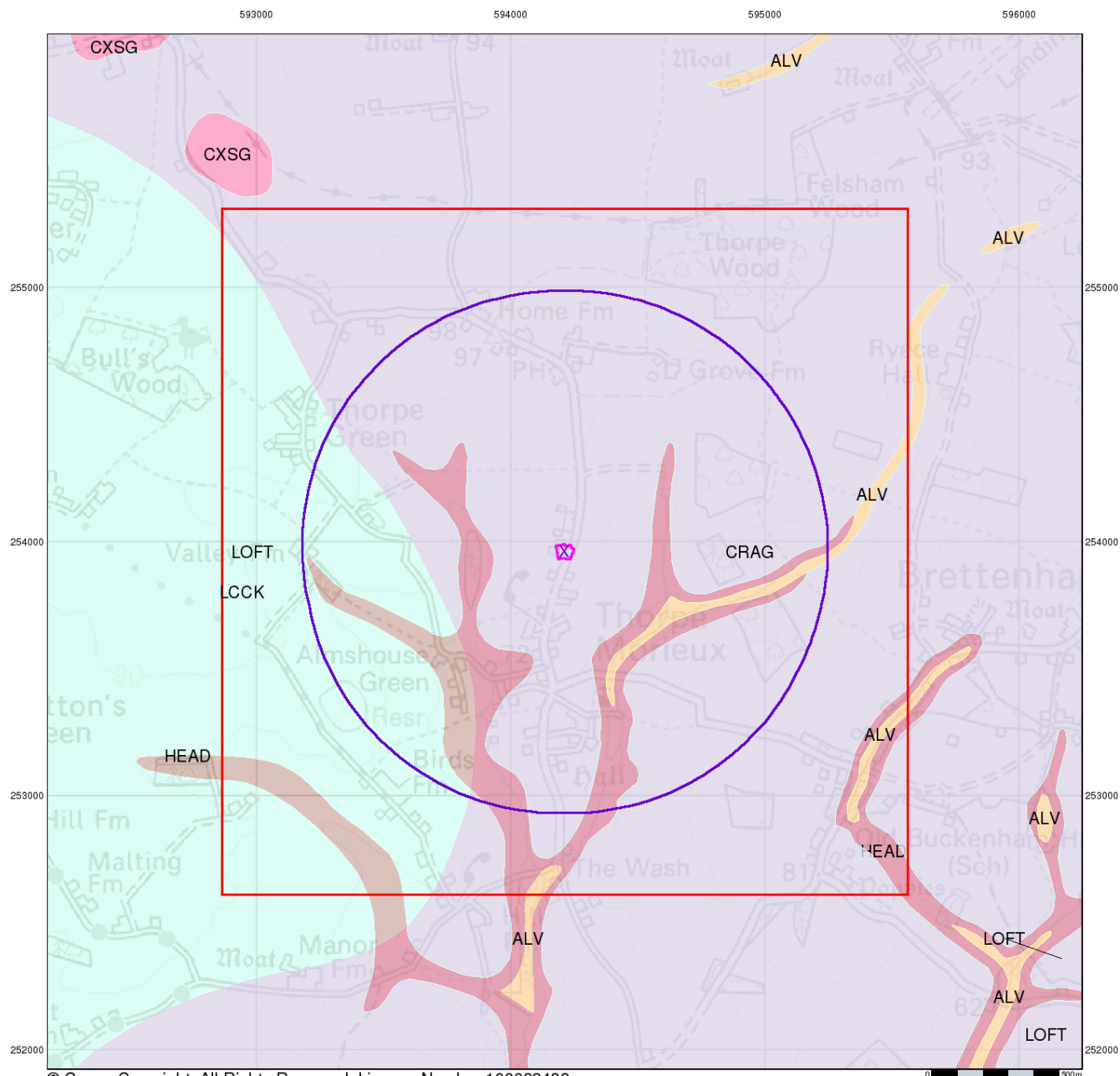
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Combined Surface Geology

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

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

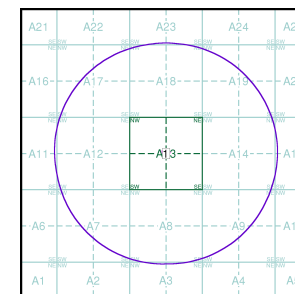
Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 276605843_1_1
Customer Reference: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details:

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Historical Mapping Legends

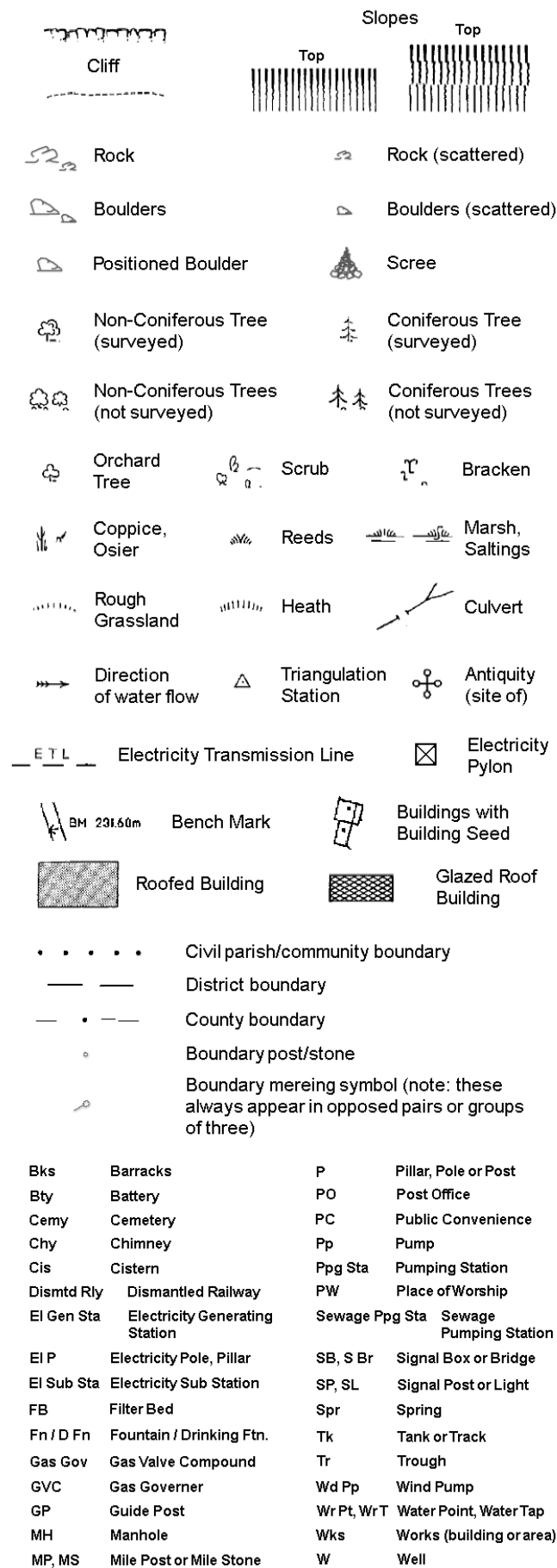
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



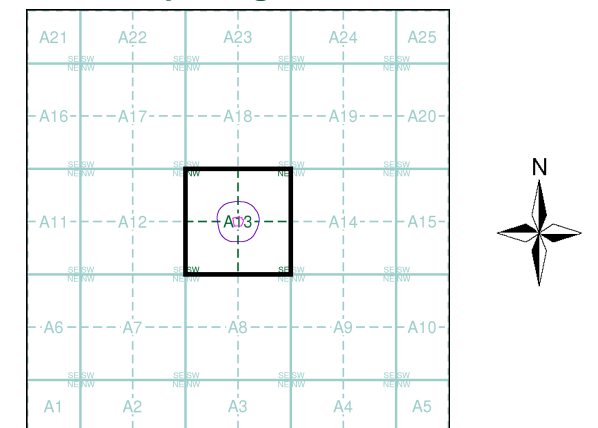
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:2,500	1885	2
Suffolk	1:2,500	1904	3
Ordnance Survey Plan	1:2,500	1975 - 1976	4
Large-Scale National Grid Data	1:2,500	1993	5
Historical Aerial Photography	1:2,500	1999	6

Historical Map - Segment A13



Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
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Site Details

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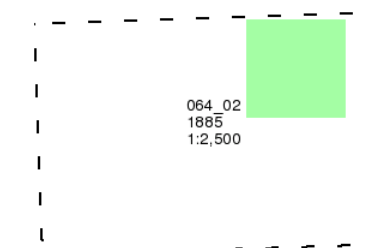
Suffolk

Published 1885

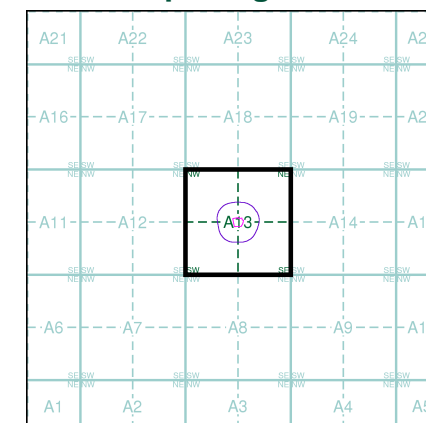
Source map scale - 1:2,500

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

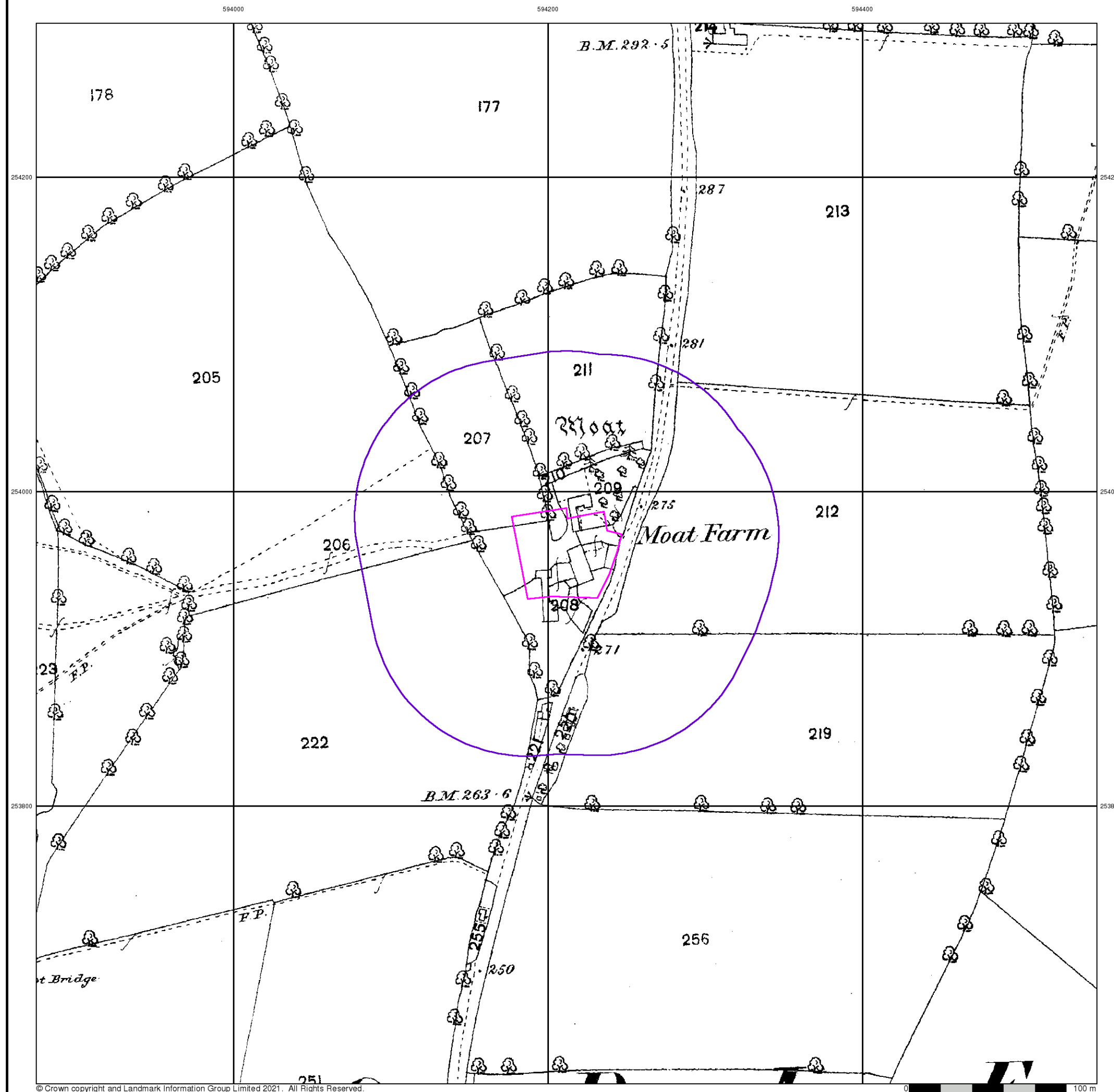
Order Number: 276605843_1_1
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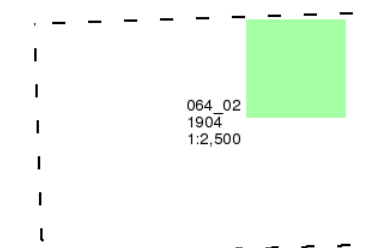
Suffolk

Published 1904

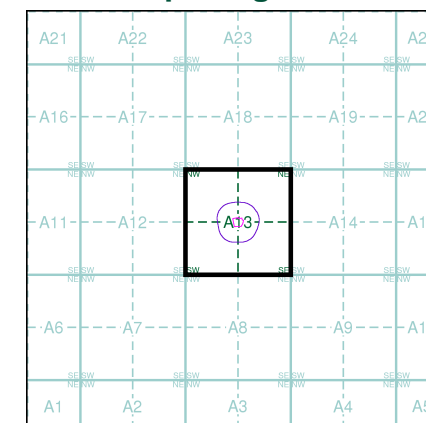
Source map scale - 1:2,500

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)



Historical Map - Segment A13



Order Details

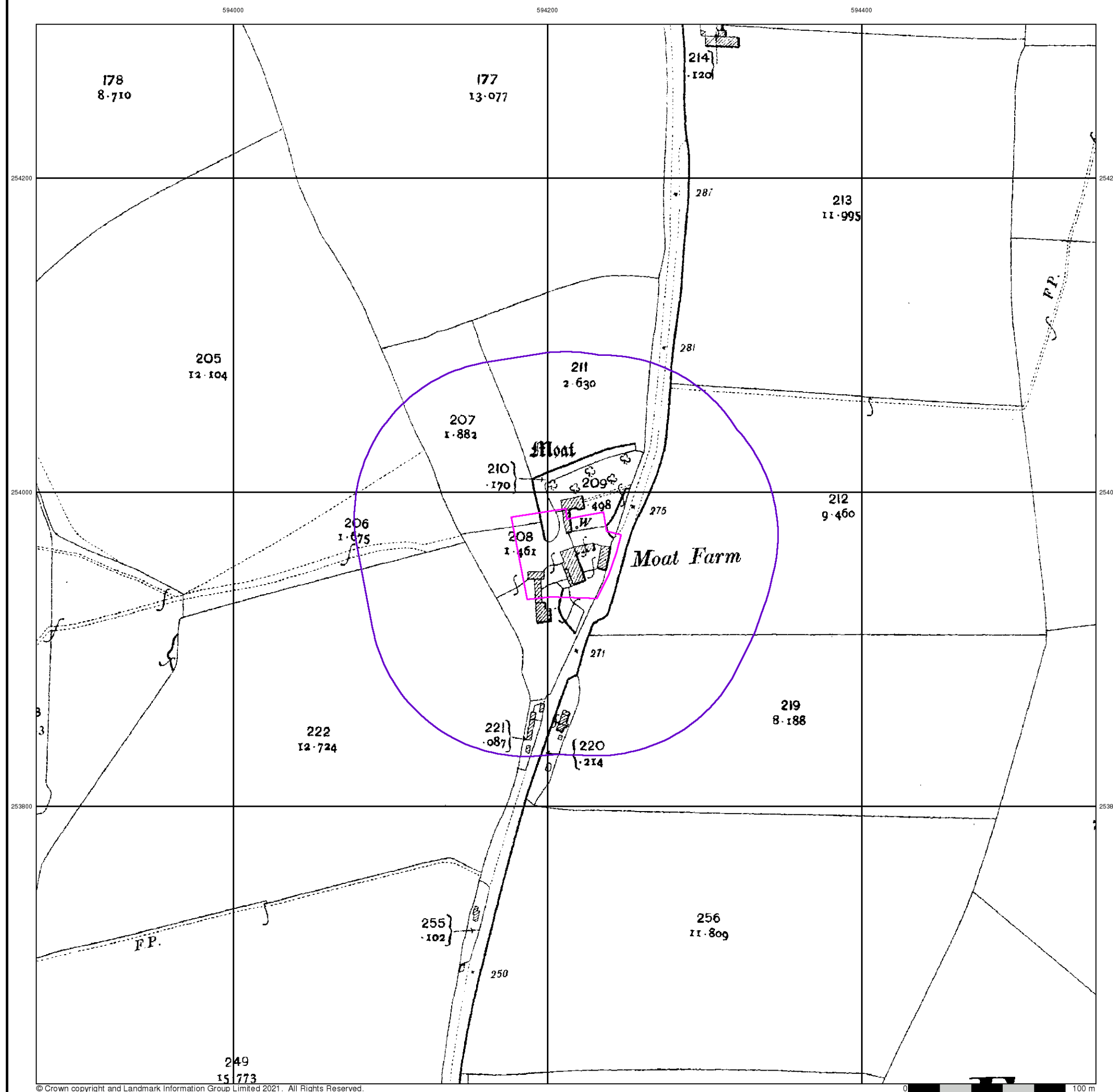
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
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Site Details

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Ordnance Survey Plan

Published 1975 - 1976

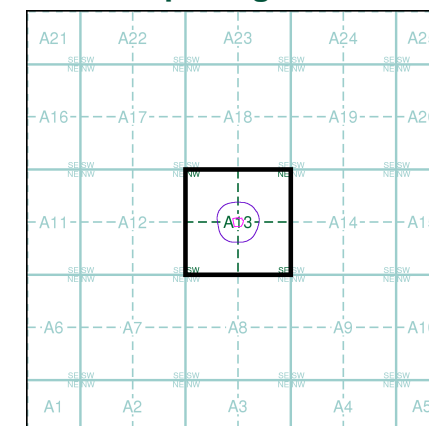
Source map scale - 1:2,500

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)

TL9354 1976 12,500	TL9454 1975 12,500
TL9353 1975 12,500	TL9453 1975 12,500

Historical Map - Segment A13



Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
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Site Details

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Large-Scale National Grid Data

Published 1993

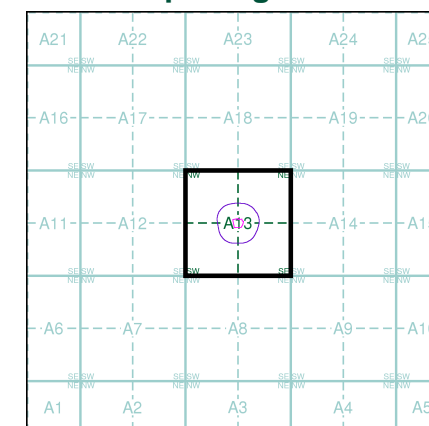
Source map scale - 1:2,500

'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)

TL9354 1993 12,500	TL9454 1993 12,500
TL9353 1993 12,500	TL9453 1993 12,500

Historical Map - Segment A13



Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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





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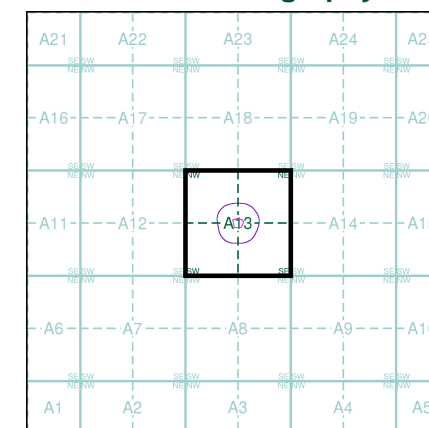


Historical Aerial Photography

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: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	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
	Ch Church		Post Office
	CH Club House		Public Convenience
	F E Sta Fire Engine Station		Public House
	FB Foot Bridge		Signal Box
	Fn Fountain		Spring
	GP Guide Post		Telephone Call Box
	MP Mile Post		Telephone Call Post
	MS Mile Stone		Well

1:10,000 Raster Mapping

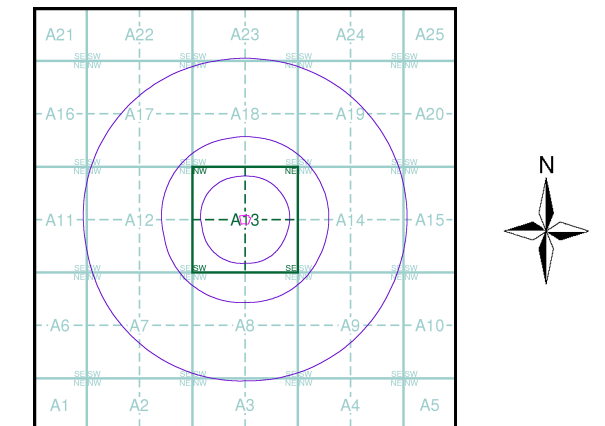
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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
	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	2
Suffolk	1:10,560	1905	3
Suffolk	1:10,560	1905	4
Ordnance Survey Plan	1:10,000	1958	5
Ordnance Survey Plan	1:10,000	1979	6
Ordnance Survey Plan	1:10,000	1980 - 1984	7
10K Raster Mapping	1:10,000	2000	8
10K Raster Mapping	1:10,000	2006	9
VectorMap Local	1:10,000	2021	10

Historical Map - Slice A



Order Details

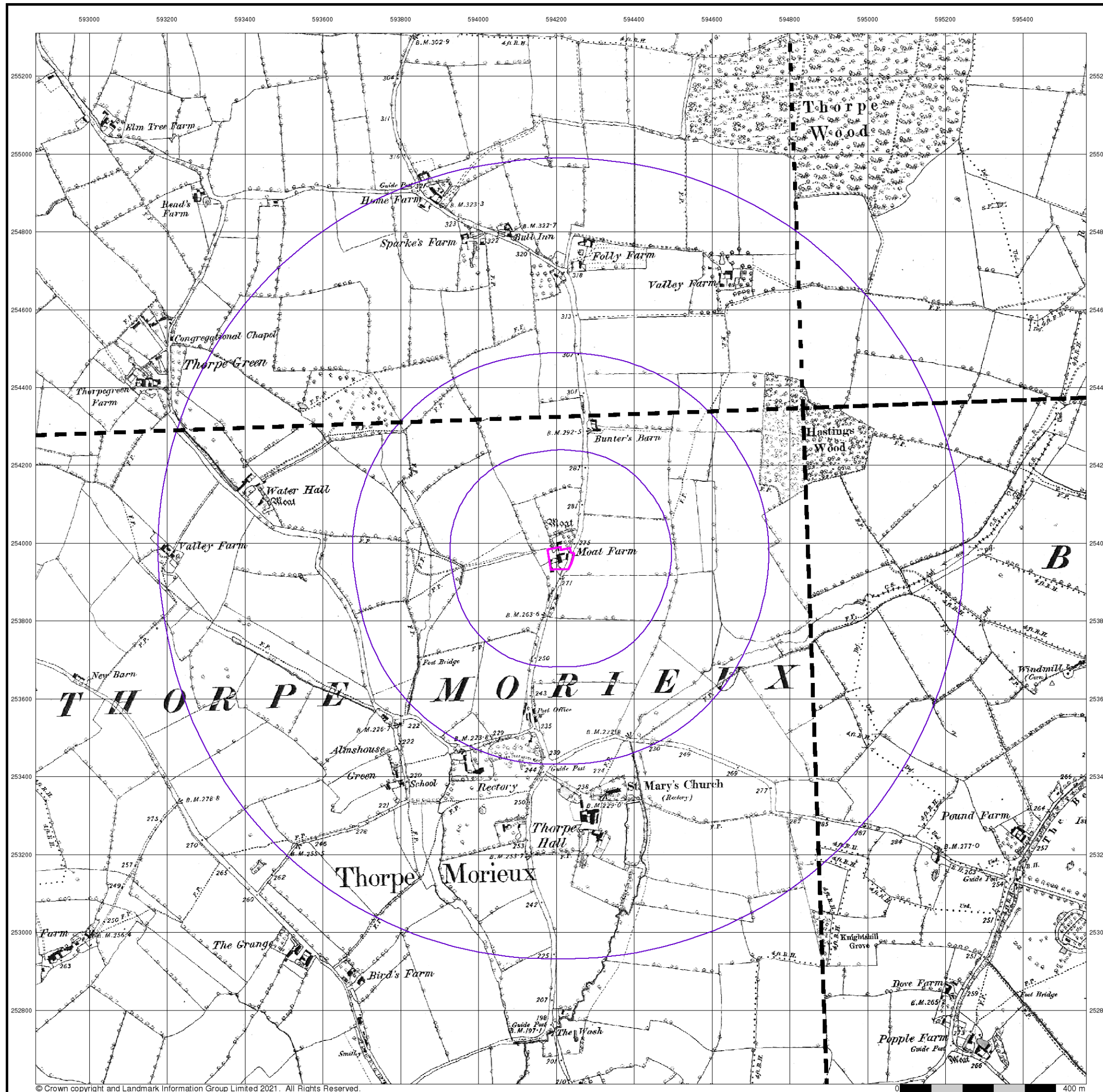
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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Suffolk

Published 1884

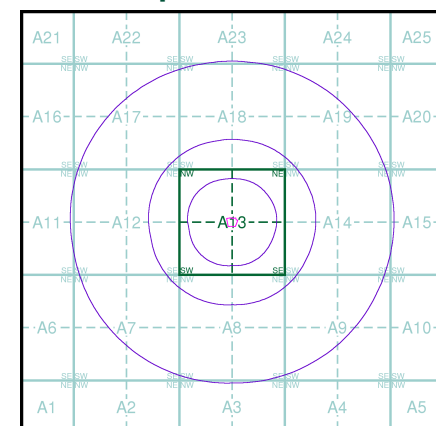
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

055SW 1884 1:10,560	055SE 1884 1:10,560
064NW 1884 1:10,560	064NE 1884 1:10,560

Historical Map - Slice A



Order Details

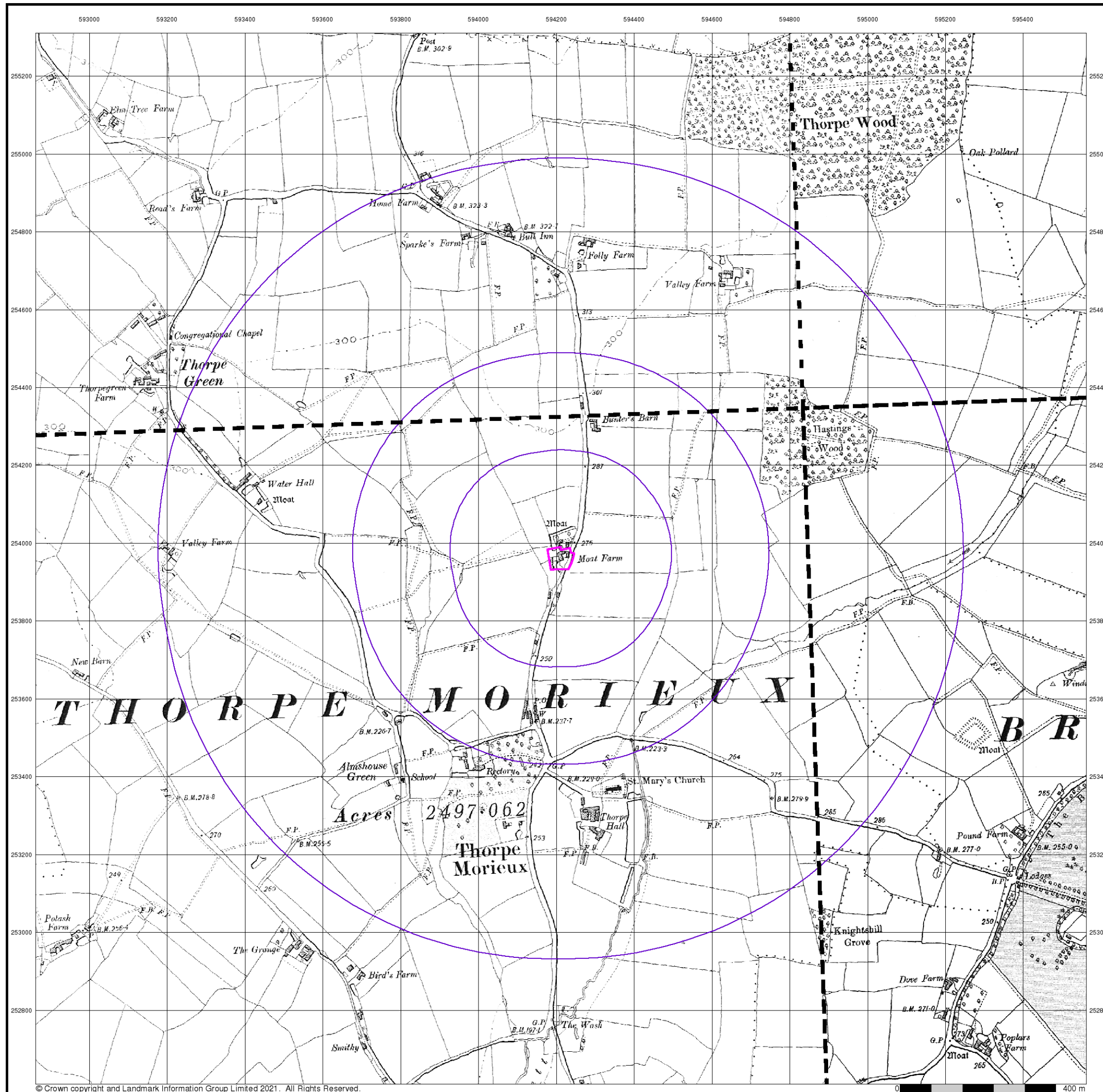
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST. EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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Suffolk

Published 1905

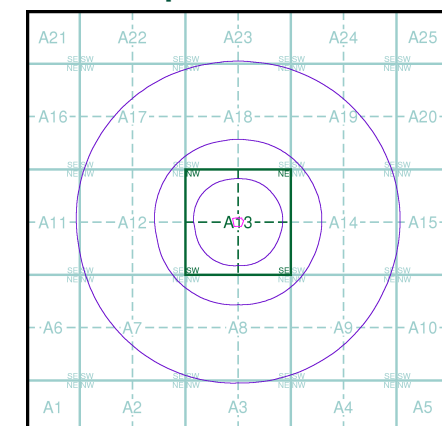
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

055SW 1905 1:10,560	055SE 1905 1:10,560
064NW 1905 1:10,560	064NE 1905 1:10,560

Historical Map - Slice A



Order Details

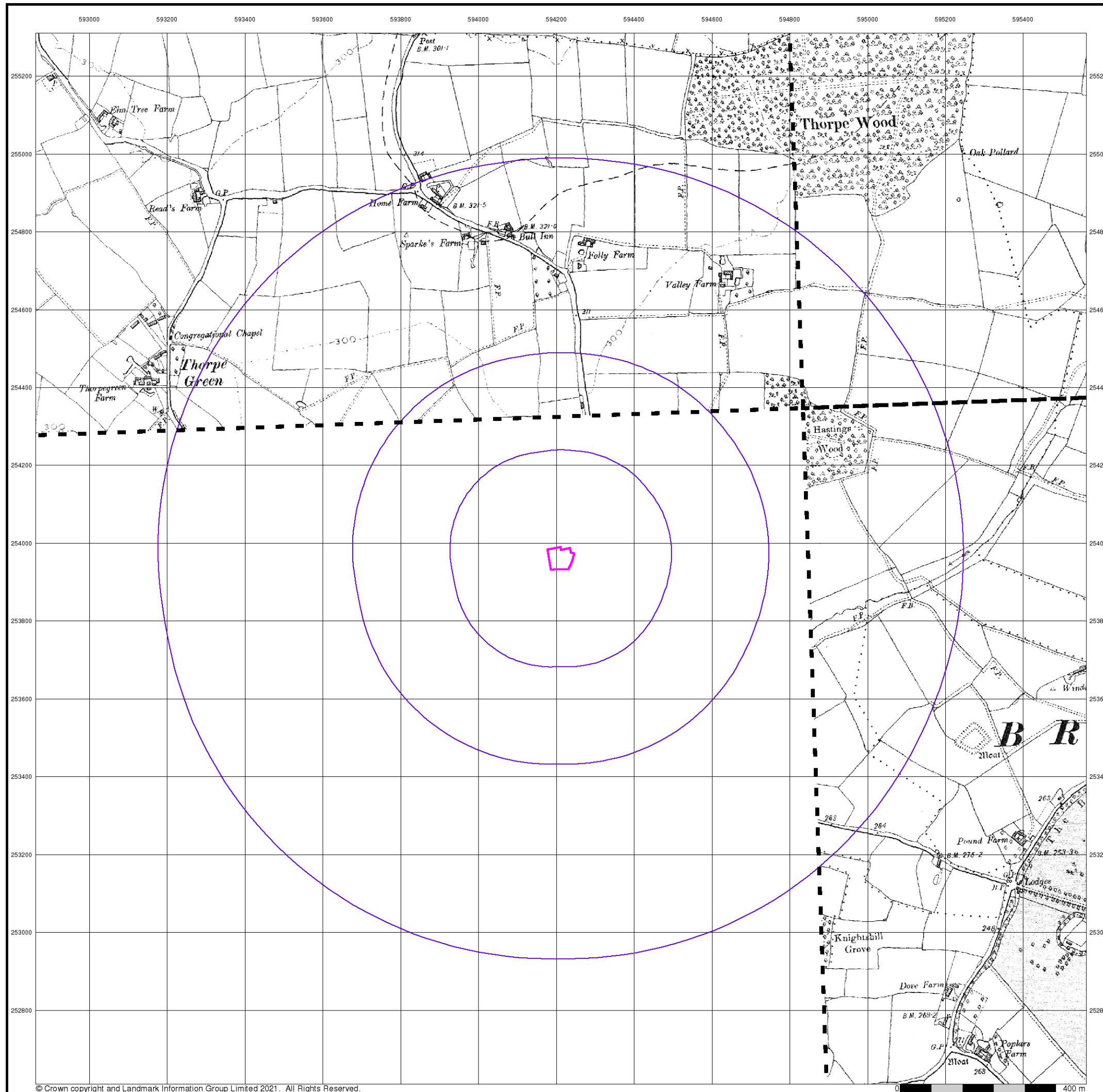
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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Suffolk

Published 1905

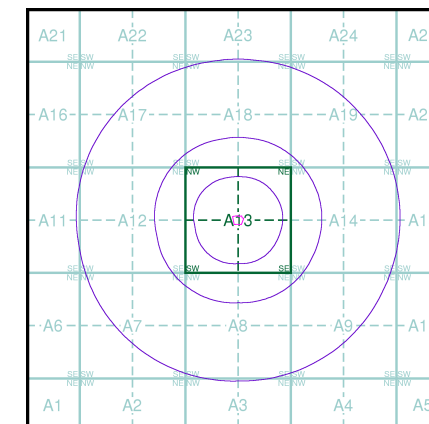
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

055SW 1905 1:10,560	055SE 1905 1:10,560
	064NE 1905 1:10,560

Historical Map - Slice A



Order Details

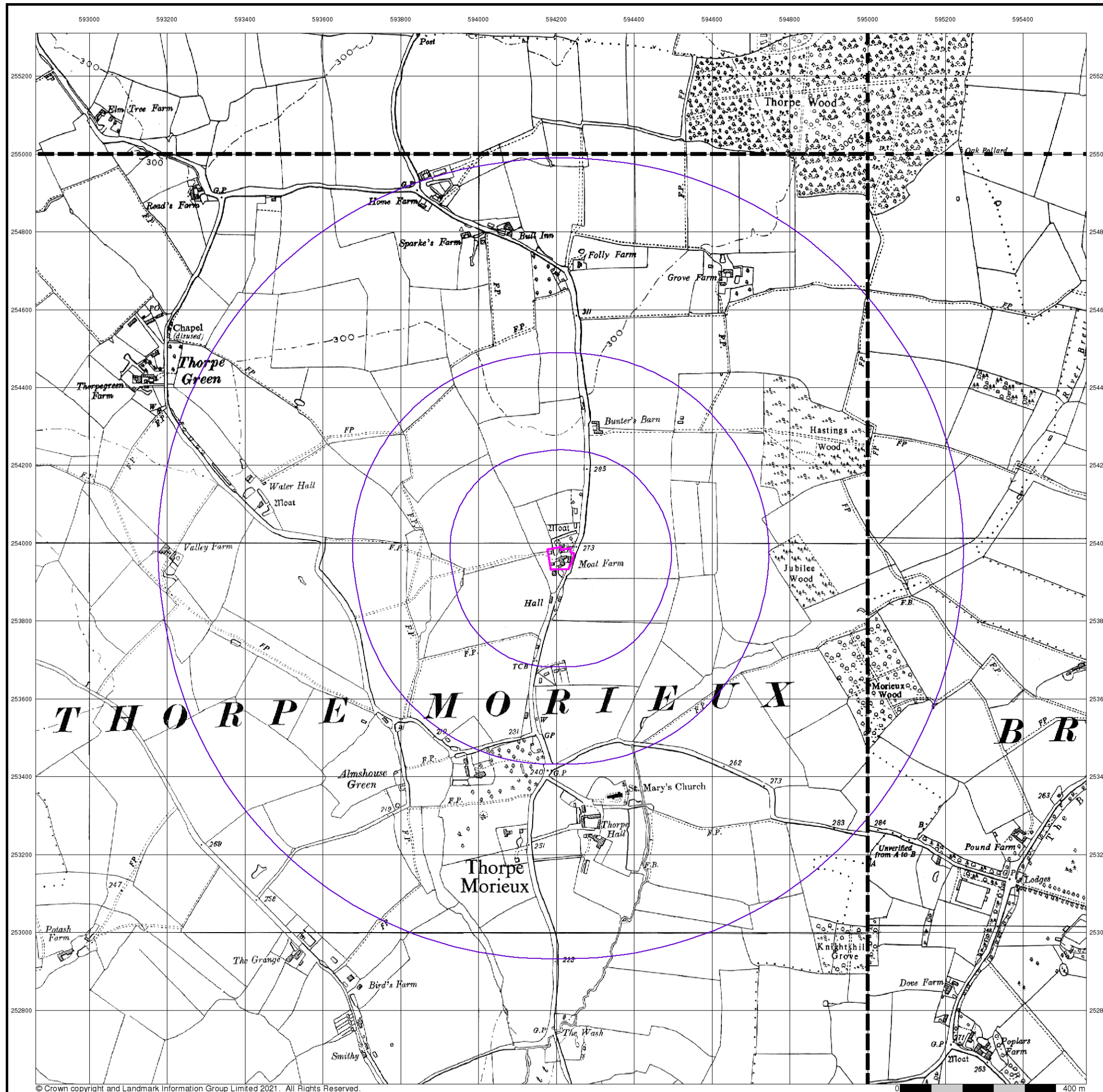
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
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Ordnance Survey Plan

Published 1958

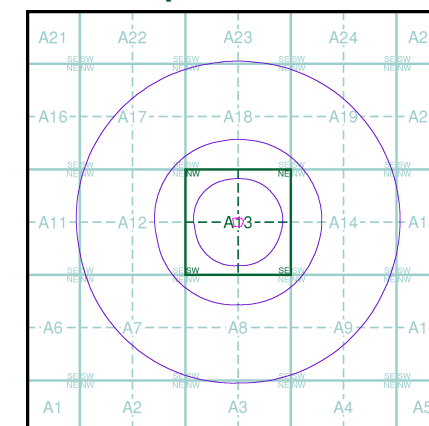
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TL95NW	1958	1:10,560
TL95NE	1958	1:10,560
TL95SW	1958	1:10,560
TL95SE	1958	1:10,560

Historical Map - Slice A



Order Details

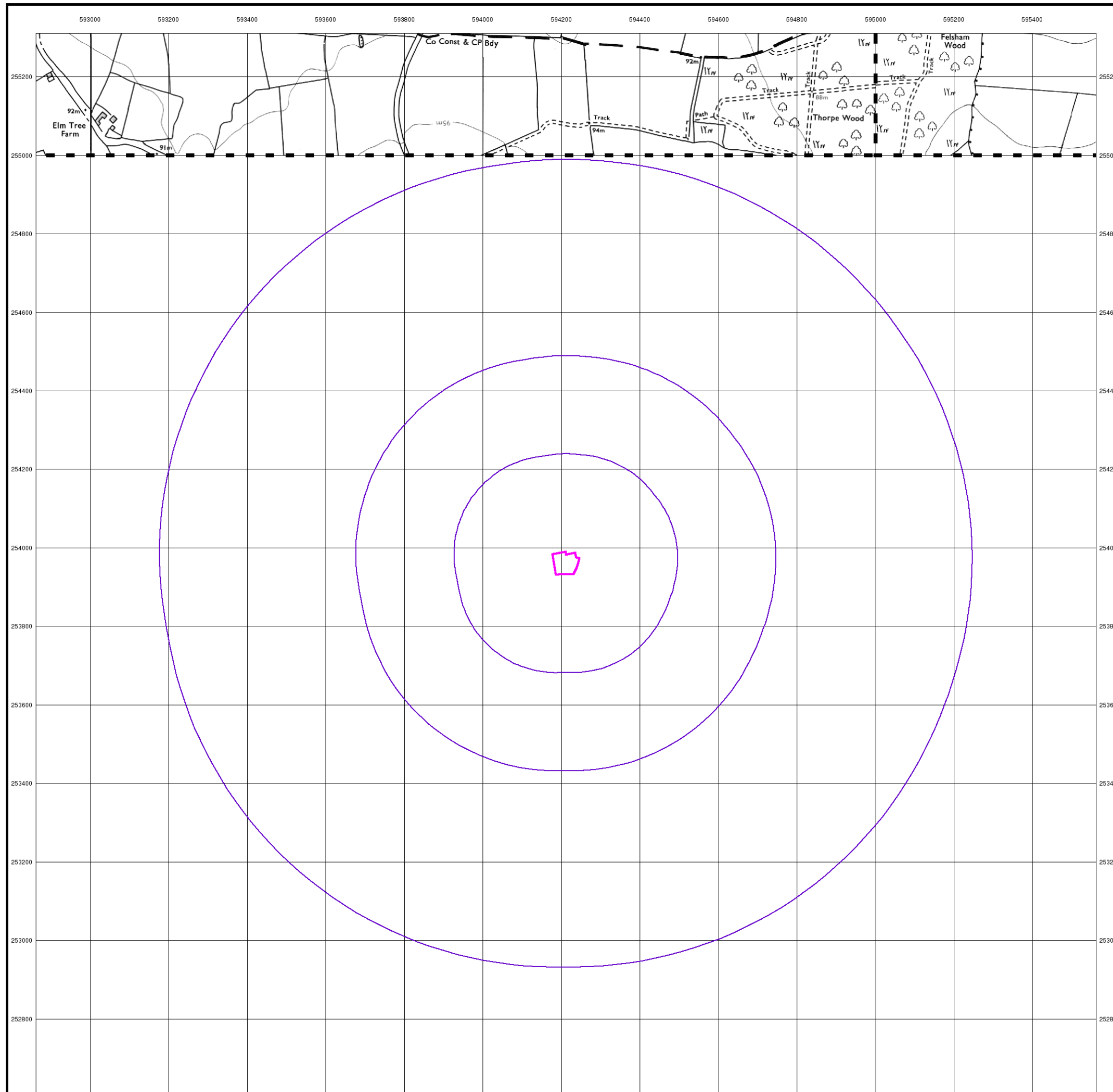
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
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0 400 m



Ordnance Survey Plan

Published 1979

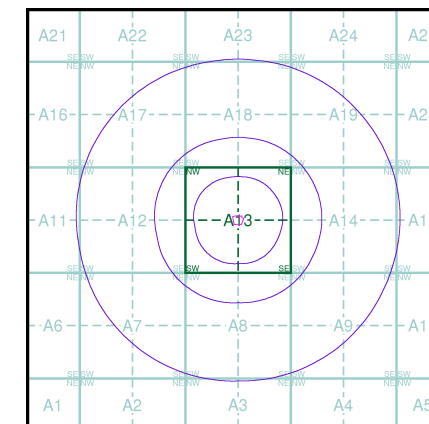
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TL95NW 1979 1:10,000	TL95NE 1979 1:10,000
----------------------------	----------------------------

Historical Map - Slice A



Order Details

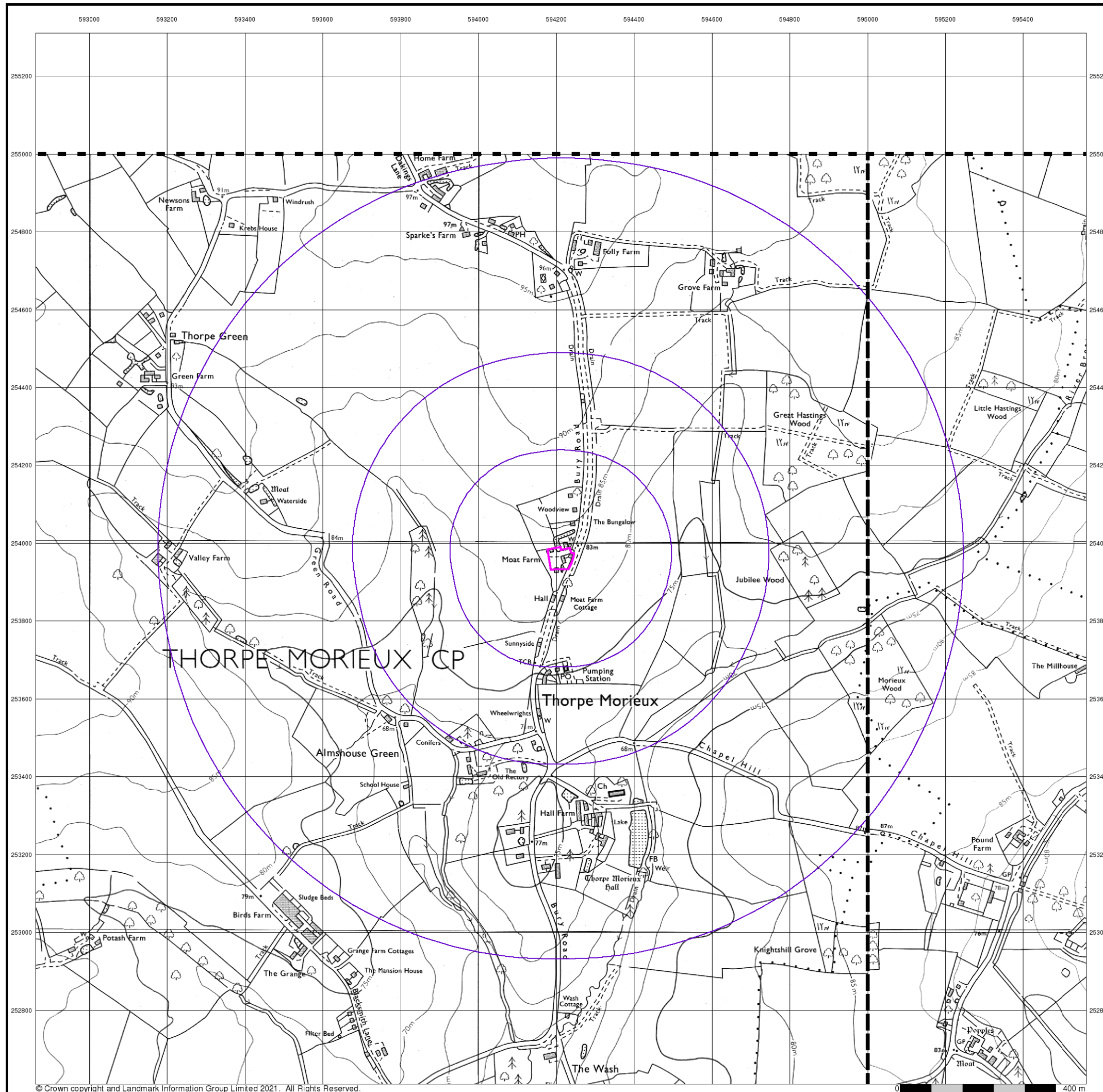
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR



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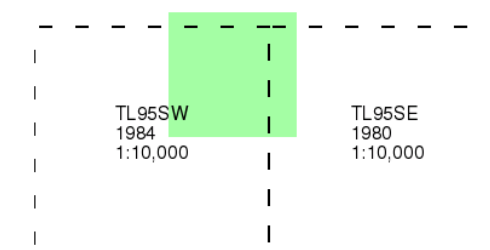
Ordnance Survey Plan

Published 1980 - 1984

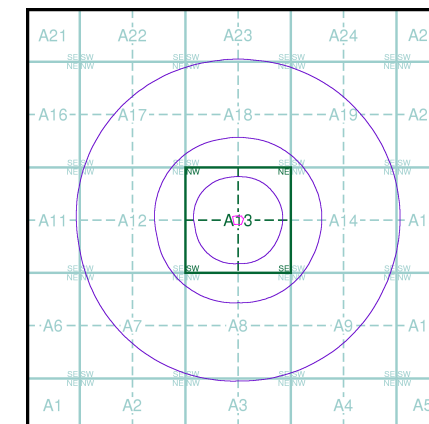
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

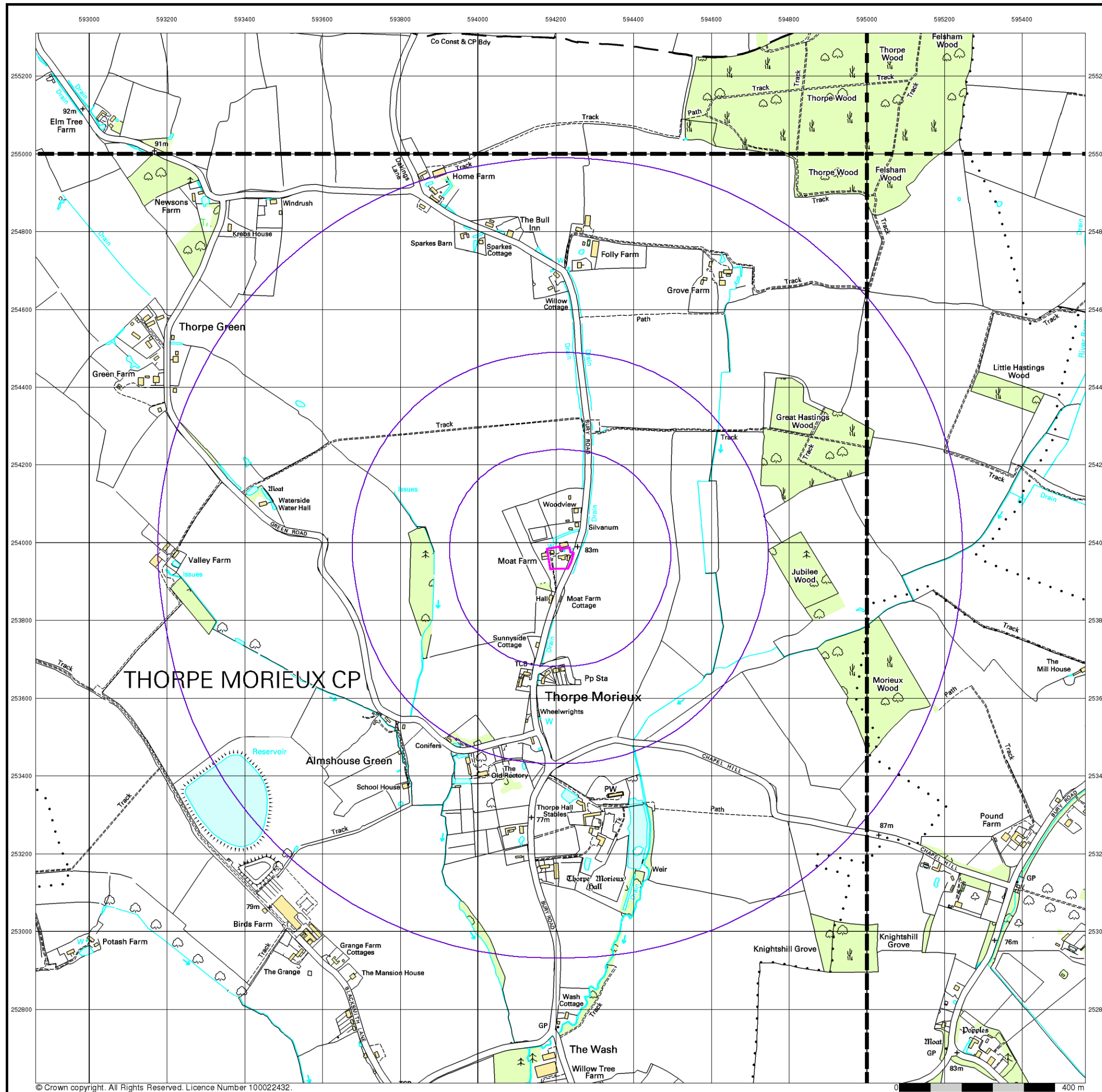
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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10k Raster Mapping

Published 2000

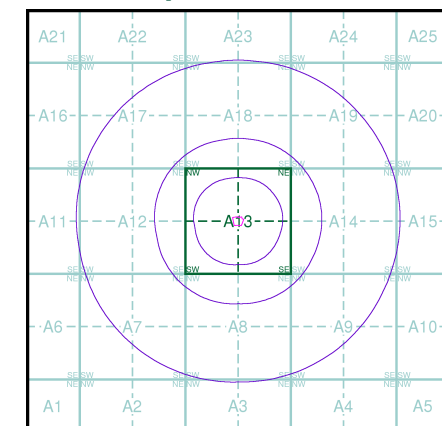
Source map scale - 1:10,000

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)

TL95NW	TL95NE
2000	2000
1:10,000	1:10,000
TL95SW	TL95SE
2000	2000
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR



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Web: www.envirocheck.co.uk



10k Raster Mapping

Published 2006

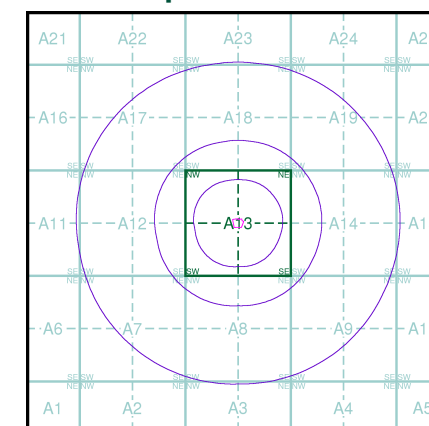
Source map scale - 1:10,000

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)

TL95NW 2006 1:10,000	TL95NE 2006 1:10,000
TL95SW 2006 1:10,000	TL95SE 2006 1:10,000

Historical Map - Slice A



Order Details

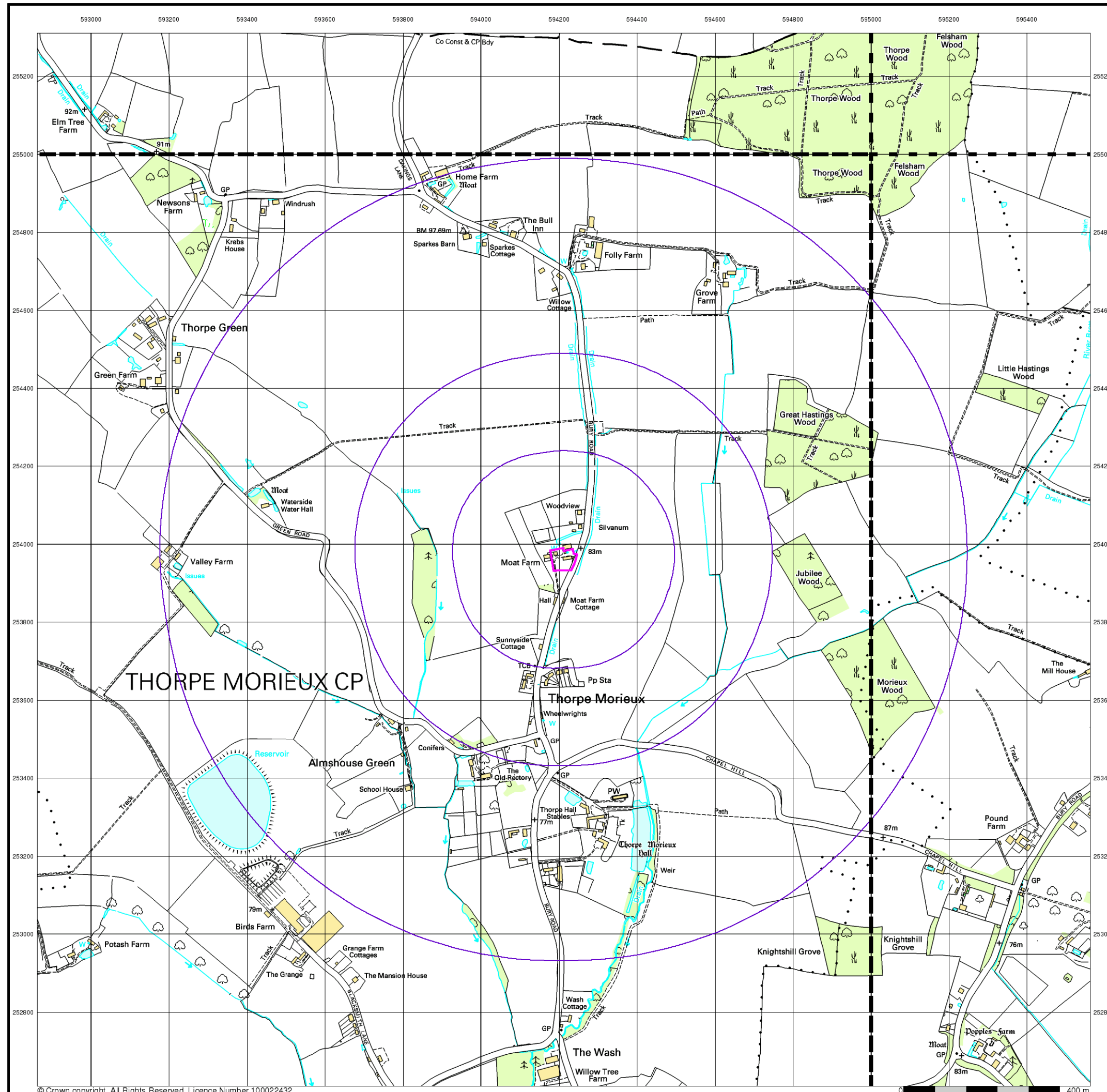
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

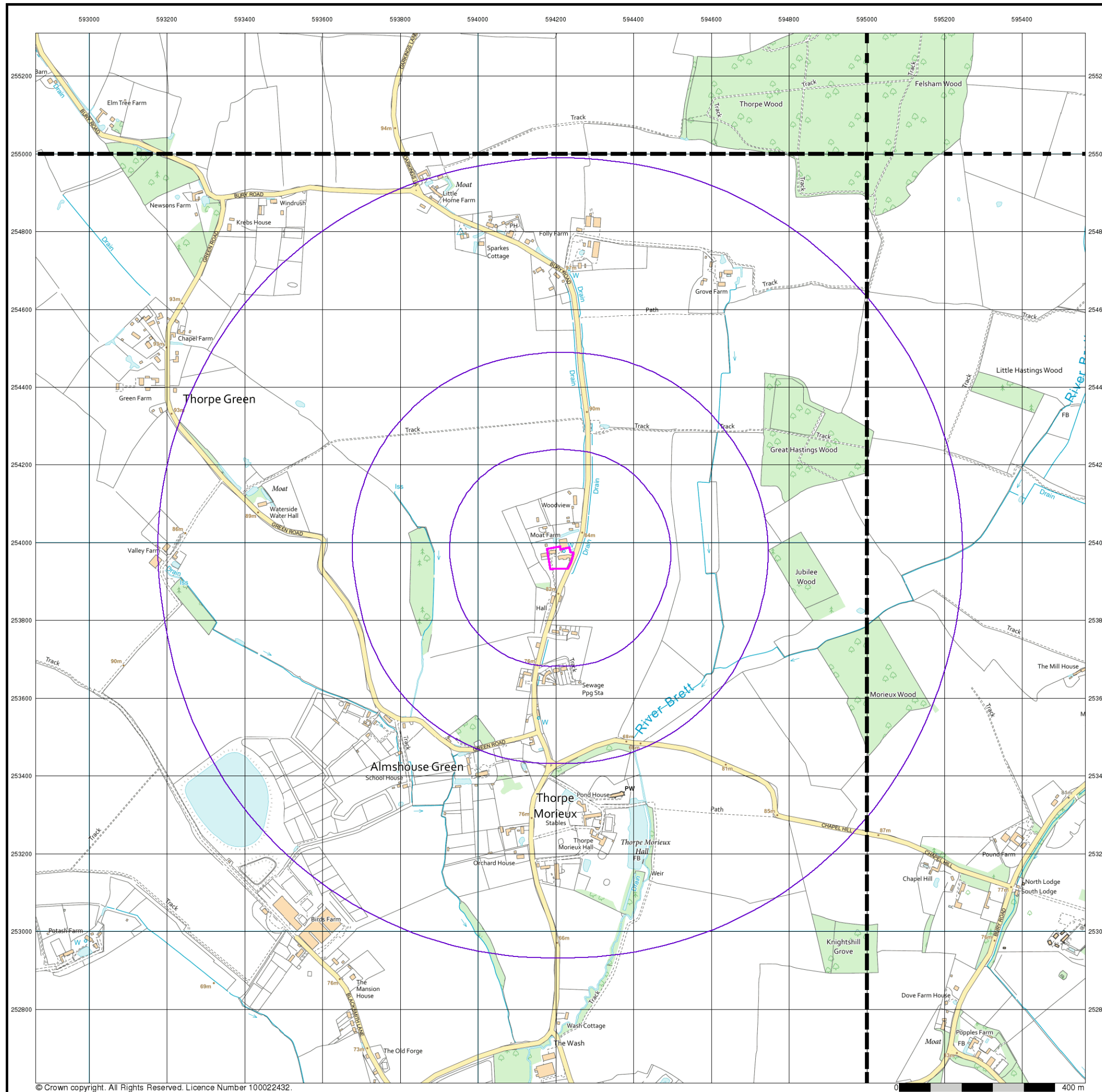
Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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VectorMap Local

Published 2021

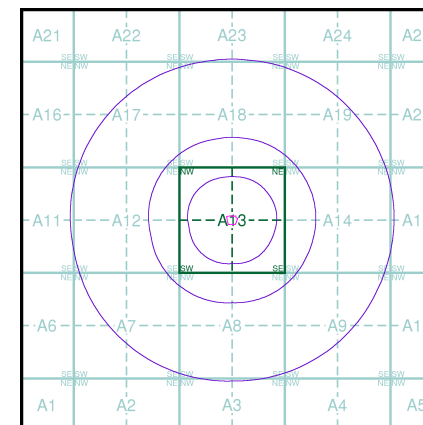
Source map scale - 1:10,000

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)

TL95NW 2021 Variable	TL95NE 2021 Variable
TL95SW 2021 Variable	TL95SE 2021 Variable

Historical Map - Slice A



Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

276605843_1_1

Customer Reference:

1950

National Grid Reference:

594210, 253960

Slice:

A

Site Area (Ha):

0.31

Search Buffer (m):

1000

Site Details:

Moat Farm, Bury Road
Thorpe Morieux
BURY ST. EDMUNDS
IP30 0NR

Client Details:

Mr C Duffield
Green Earth Management Ltd
Building 2
Broomfield Park
Coggeshall Road
Earls Colne
Essex
CO6 2JX

Report Section and Details	Page Number
Summary	-
<p>The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.</p> <p>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).</p>	
Mining and Natural Cavities Data	-
<p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.</p> <p>Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.</p>	
Historical Land Use Information (1:2,500)	1
<p>The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.</p> <p>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.</p>	
Historical Land Use Information (1:10,000)	2
<p>The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.</p> <p>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.</p>	
Ground Stability Data (1:50,000)	3
<p>The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.</p>	
Historical Map List	4
<p>The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.</p>	
Data Currency	5
Data Suppliers	6
Useful Contacts	7

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The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1	4		n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 2				2
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes	Yes	n/a	n/a
Salt Mining Related Features					



Summary

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Extractive Industries or Potential Excavations from 1950-1980 Use: Well First Map Published 1975 Date: Last Map Published N/A Date:	A13NE (NE)	0	-	594220 253980
2	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1975 Date: Last Map Published Not Applicable Date:	A13NW (NW)	0	-	594205 253972
3	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1975 Date: Last Map Published N/A Date:	A13NE (NE)	0	-	594238 253976
4	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1975 Date: Last Map Published N/A Date:	A13SE (S)	0	-	594216 253944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A18NW (N)	753	-	593980 254710
6	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A18NW (N)	982	-	594184 254971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
7	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
8	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
9	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
10	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	594210 253961
11	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	249	1	593932 253942

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








1:2,500	Mapsheets	Published Date
Ordnance Survey Plan	TL9353	1975
Ordnance Survey Plan	TL9453	1975
Ordnance Survey Plan	TL9454	1975
Ordnance Survey Plan	TL9354	1976

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

1:10,560	Mapsheets	Published Date
Suffolk	055_SE	1891
Suffolk	055_SW	1891
Suffolk	064_NE	1891
Suffolk	064_NW	1891
Suffolk	055_SE	1905
Suffolk	055_SW	1905
Suffolk	064_NE	1905
Suffolk	064_NW	1905
Ordnance Survey Plan	TL95NE	1958
Ordnance Survey Plan	TL95NW	1958
Ordnance Survey Plan	TL95SE	1958
Ordnance Survey Plan	TL95SW	1958
1:10,000	Mapsheets	Published Date
Ordnance Survey Plan	TL95NE	1979
Ordnance Survey Plan	TL95NW	1979
Ordnance Survey Plan	TL95SE	1980
Ordnance Survey Plan	TL95SW	1984

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	November 2020	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Stantec UK Ltd	November 2020	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

A selection of organisations who provide data within this report

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

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
-	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



Historical Land Use Information (1:2,500)

General

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

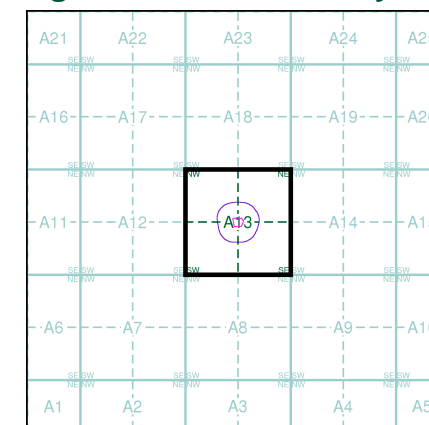
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1960	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A13



Order Details

Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Plot Buffer (m): 100

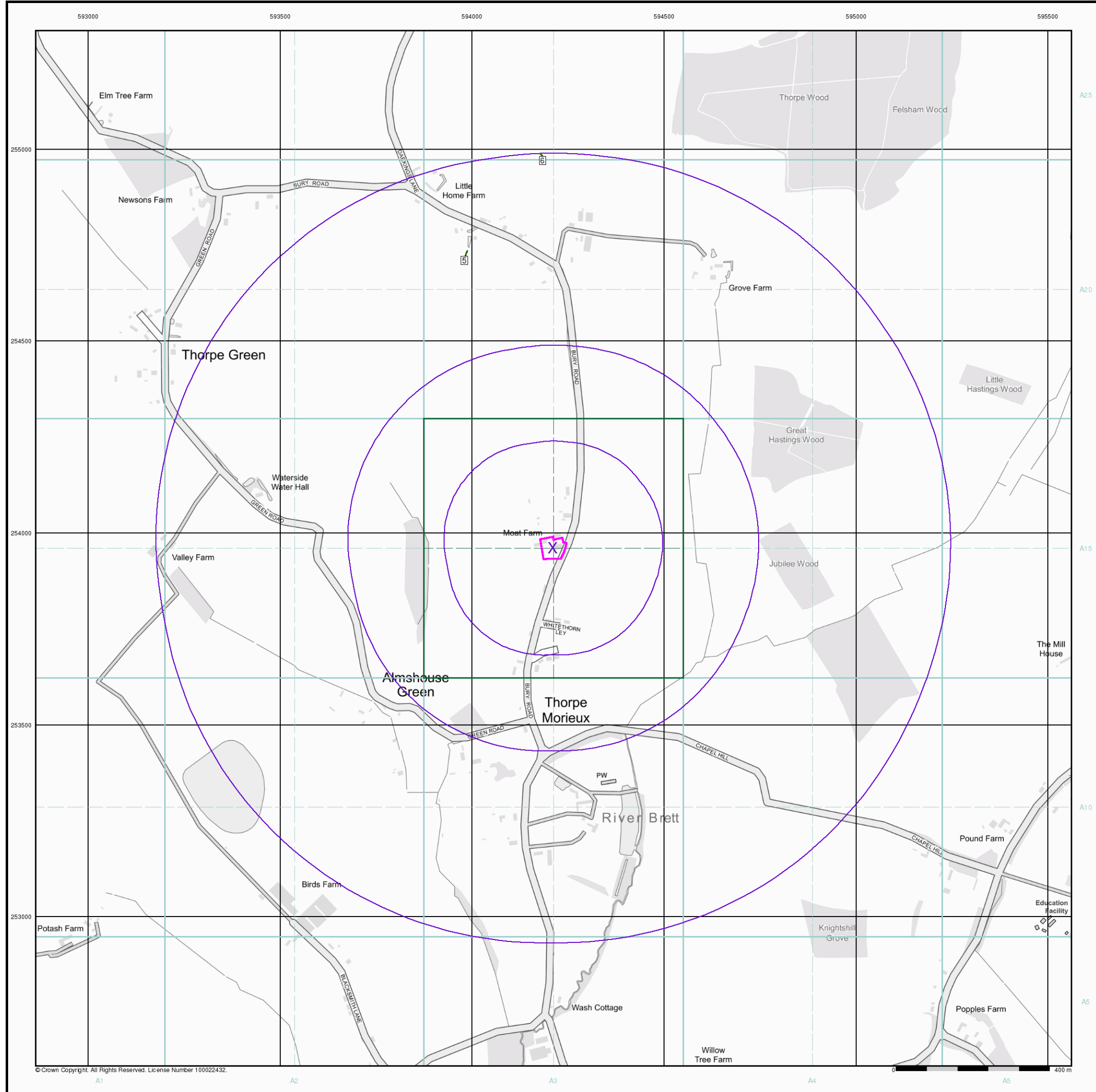
Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR

Landmark
INFORMATION GROUP

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





Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

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

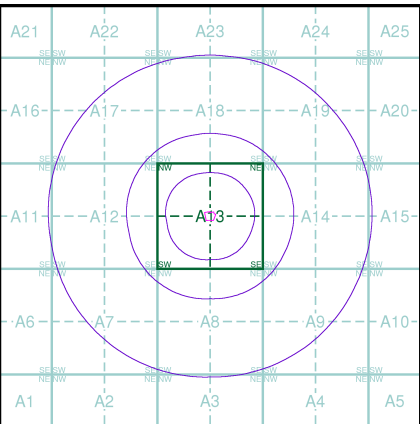
Historical Land Use

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

Mining Data

- Potential Mining Area
BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

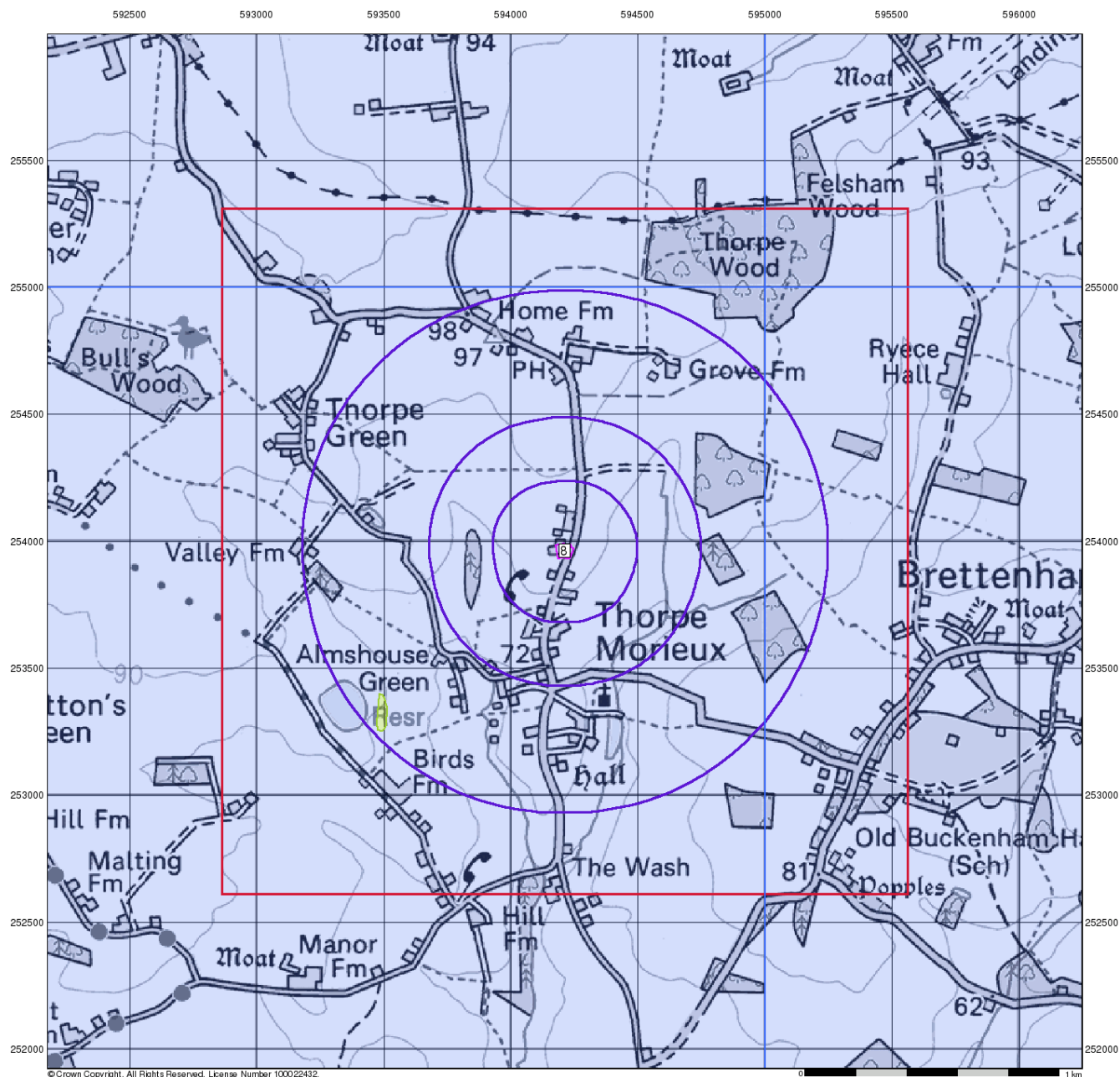
Order Number: 276605843_1_1
Customer Ref: 1950
National Grid Reference: 594210, 253960
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST.
EDMUNDS, IP30 0NR



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Ground Stability Data (1:50,000)

General

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

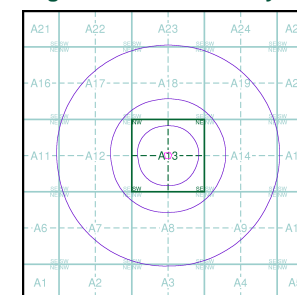
Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice A



Order Details

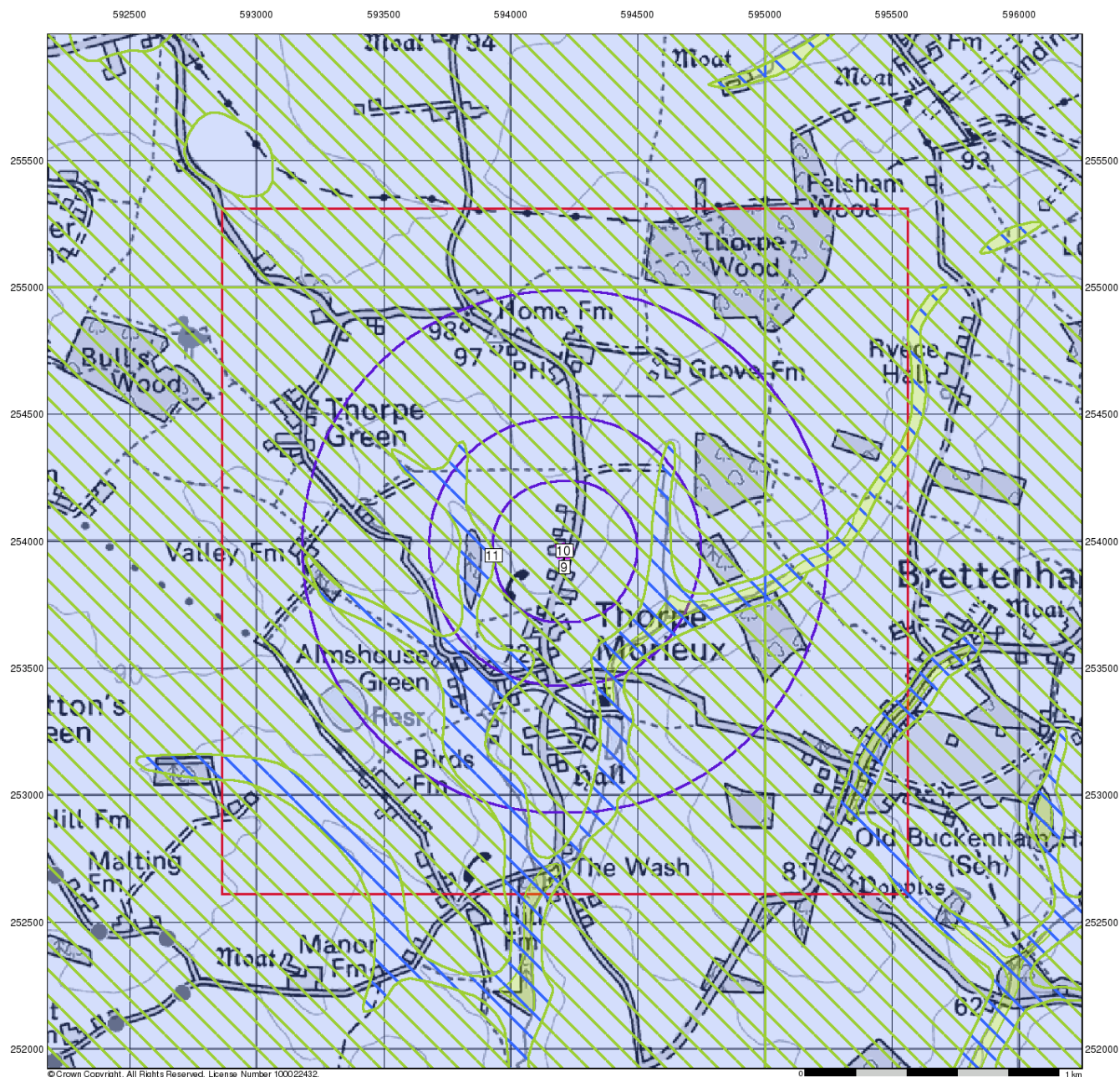
Order Number: 276605843_1_1
 Customer Ref: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST. EDMUNDS, IP30 0NR



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Ground Stability Data (1:50,000)

General

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

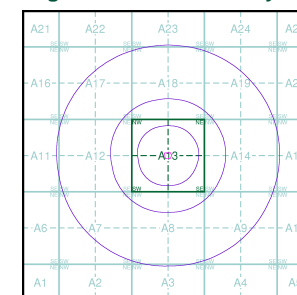
Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number: 276605843_1_1
 Customer Ref: 1950
 National Grid Reference: 594210, 253960
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Moat Farm, Bury Road, Thorpe Morieux, BURY ST. EDMUNDS, IP30 0NR

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