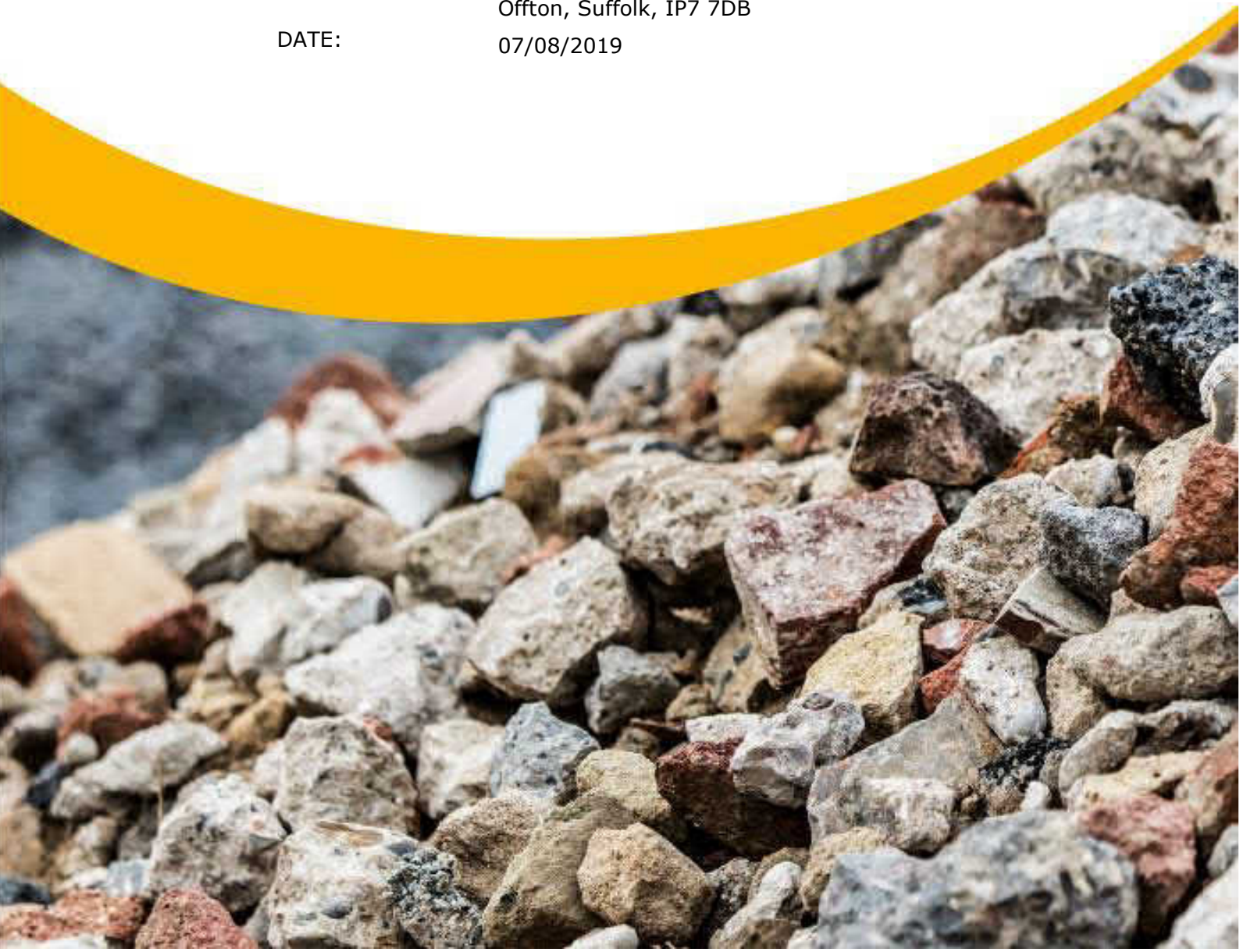


## GEOSPHERE ENVIRONMENTAL

REPORT NUMBER: 4134,DS/DESK/SG,TP/07-08-19/V1

SITE: Back Field Barn, Moat House Farm, Bildeston Road,  
Offton, Suffolk, IP7 7DB

DATE: 07/08/2019



## DOCUMENT CONTROL SHEET

Report Number: 4134,DS/DESK/SG,TP/07-08-19/V1  
Client: Mr. John Pooley  
Project Name: Back Field Barn, Moat House Farm, Bildeston Road, Offton, Suffolk, IP7 7DB  
Project Number: 4134,DS  
Report Type: Phase 1 – Desk Study and Preliminary Risk Assessment  
Status: Final  
Date of Issue: 07 August 2019

### Issued By:

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### REVISION RECORD

Revision	Date	Revision Details	Prepared By:	Admin
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## EXECUTIVE SUMMARY

<b>Site Location / Description</b>	<p>The subject site was situated to the north west of the existing Moat House Farm, albeit part of the existing property, which was situated directly north west of Bildeston Road and approximately 965m south west of the developed boundary of Great Bricett.</p> <p>At the time of the walkover the site comprised a single barn structure together with well-maintained garden, residential allotment and areas of overgrown grassland (in the south west and bordering the north east site boundary).</p>
<b>History</b>	<p>The earliest historical map indicated the site to be open and undeveloped, with localised development occurring in 1970, where a single small structure overlaps on the south east boundary. By 1966, a number of structures exist adjacent to the south east site boundary. Demolition of a single large structure occurred in the late 1990's with current residential allotments being shown from 2019.</p> <p>The surrounding area has largely remained open and undeveloped agricultural land.</p>
<b>Conceptual Model</b>	<p>Sources of contamination include Made Ground, from the demolition of historic structures, and an area of burning (bonfire), both of which are considered to be point sources rather than being a site-wide risk, but which reside within proposed areas of residential garden.</p>
<b>Conclusions and Recommendations</b>	<p>It is recommended that a preliminary intrusive ground investigation is undertaken, specifically located in the area of demolished former structures and area of bonfire, to determine the extent of any potential contamination within the soil strata. Ground gas monitoring wells installed should any Made Ground contain soils other than construction waste as there may be a risk of hazardous ground gases to be generated.</p>
<p><b>This Executive Summary only provides a summary of the site data and its assessment. It does not provide a definitive engineering analysis and is for guidance only. It is recommended that the reader reviews the report in its entirety and any material referenced therein.</b></p>	

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## 1. INTRODUCTION

Geosphere Environmental Ltd were commissioned by the Client Mr. John Pooley, to undertake a Phase 1 Desk Study and Preliminary Risk Assessment for a proposed residential conversion at Back Field Barn, Moat House Farm, Bildeston Road, Offton, Suffolk, IP7 7DB.

It was understood that the site is to be developed to comprise conversion/renovation of an existing single- storey barn into a residential property, together with gardens and vehicular access.

The primary objectives of the preliminary risk assessment are to:

- Provide an assessment of environmental sensitivity at the site and the surrounding area in relation to any suspected or known contamination which may significantly affect the site and the proposed development; and
- Indicate whether further works are required, and the nature of the works, to enable a more complete assessment of the site.

These are to be achieved by:

- Undertaking a walkover of the site;
- Researching and assessing the available information regarding the current site status, including recorded geology, hydrogeology and hydrology of the site and surrounding area, as well as the history of the site;
- Developing a Conceptual Site Model.

A Proposed Development Plan, provided by the Client, Drawing ref. 151.2 Rev C, dated February 2019, is provided within Appendix 6.

This report has been produced with reference to information provided within the Babergh and Mid Suffolk District Council planning portal website (ref. **R.10**), under Planning Application reference DC/19/02553.

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## 2. SITE SETTINGS

### 2.1 Site Description

The subject site was situated to the north west of the existing Moat House Farm, albeit part of the existing property, which was situated directly north west of Bildeston Road and approximately 965m south west of the developed boundary of Great Bricett. The site may also be located by National Grid Reference (NGR) TM 03397 49561.

A Site Location Plan, and Site Walkover Plan are included within Appendix 6, as Drawing references 4134,DS/001/Rev 0 and 4134,DS/002/Rev 0, respectively.

A site walkover was undertaken on 11 July 2019. At the time of the walkover the site comprised a single barn structure together with well-maintained garden, residential allotment and areas of overgrown grassland (in the south west and bordering the north east site boundary).

The site was roughly rectangular with a relatively flat topography. The northwest and south east boundaries were open and undeveloped, with property associated with Moat House Farm continuing beyond their respective boundaries. Both the north east and south west boundaries were overgrown with brambles and were formed by a line of mature deciduous trees, whilst beyond the boundaries was open agricultural land and pasture respectively.

The existing barn was of cinder block construction with a corrugated roof made of potential asbestos containing material and a concrete floor slab. The barn was in a very good state of repair. A placard was noted on the side of the barn indicating the year of manufacture to be 1981 and has a class of 2, the latter of which has been interpreted as its design criteria under the relevant design criteria of that period. Anecdotally, the barn had been built to breed rabbits, although currently it was being used to store both domestic items and historical farm machinery for posterity. A domestic workshop was also present within the barn with evidence of woodwork.

The domestic allotment contained a number of raised planting beds and a single poly-tunnel and was separated within the site by a wooden post and wire mesh fence. A number of elderflower trees existed within the allotment, whilst the remnants of a bonfire existed to the east of the allotment, which contained evidence of vegetation burning.

Elsewhere, whilst not considered as encroaching onto the site, directly to the south east of the site boundary was a concrete lined cess pit, which was filled with clear water and contained living vegetation.

Photographic records are presented in Appendix 7 of this report.

## 2.2 Geological Setting

Details of the geology underlying the site have been obtained from the British Geological Survey (BGS) digital mapping at a scale of 1:50,000, which is provided within the Envirocheck Report included in Appendix 4.

### 2.2.1 Superficial Deposits

The geological map indicated the site to be underlain by superficial deposits of the Lowestoft Formation (Diamicton), which typically comprises clay with varying amounts of flint and chalk gravel.

No recorded artificial or worked ground was indicated to exist onsite or in the surrounding area, although the potential for Made-Ground to exist, emplaced locally and historically, may remain a possibility.

### 2.2.2 Bedrock Geology

The geological map indicated bedrock Geology underlying the site to comprise of the Red Crag Formation, which is typically present as a granular material.

The nearest British Geological Survey recorded borehole (Ref. TM04NW23) is located approximately 135m to the north west of the site and records the bedrock to exist at a depth of approximately 50m (bgl), with deeper chalk bedrock existing at a depth of 57m. Although, this record indicates the soils to represent a buried channel feature.

### 2.2.3 Geohazards and Ground Workings

Table 1 below, summarises the factors that may have a potential impact upon the engineering of the proposed development:

<b>Table 1 – Geohazards and Ground Workings</b>				
<b>Potential Hazard</b>	<b>Recorded Risk [m] / [Direction]</b>			<b>Comments</b>
	<b>Onsite</b>	<b>Within 250m</b>	<b>Within 500m</b>	
Man-Made Mining Activities.	No Hazard.	No Hazard.	No Hazard.	
Non-Coal Mining Areas of Great Britain.	No Hazard.	No Hazard.	No Hazard.	
Collapsible Ground.	Very Low.	Very Low.	Very Low.	
Compressible Ground.	No Hazard.	No Hazard.	No Hazard.	
Ground Dissolution.	No Hazard.	No Hazard.	No Hazard.	
Landslide.	Very Low.	Very Low.	Very Low.	
Running Sand.	Very Low.	Very Low.	Very Low.	
Shrinking or Swelling Clay.	Low.	Low.	Low.	



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## 2.3 Hydrogeological Setting

### 2.3.1 Underlying Aquifers

The hydrogeological data provided within the Envirocheck Report indicate the superficial soils of the Lowestoft Formation to represent a Secondary Undifferentiated Aquifer, which are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

The underlying Red Crag Formation is classified as a Principal Aquifer, which is defined by The Environment Agency as 'layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale'.

The geology beneath the Red Crag was indicated within surrounding boreholes (see section 2.2.2) as chalk, which, although not indicated within the Envirocheck data, is generally regarded as a Principal Aquifer.

### 2.3.2 Groundwater Vulnerability

The site is located upon soils that are classified as having medium vulnerability to groundwater in terms of its leaching potential.

The Environment Agency defines areas of medium groundwater vulnerability as 'areas that offer some groundwater protection. They are likely to be characterised by intermediate leaching soils and/or the presence of intermediate permeability superficial deposits.

Soils of intermediate leaching potential are soils that can possibly transmit a wide range of pollutants, or are soils that can "...possibly transmit non or weakly adsorbed pollutants and liquid discharges but are unlikely to transmit adsorbed pollutants".

### 2.3.3 Source Protection Zones

The site is located within a 'Zone III' (Total Catchment) groundwater source protection zone i.e. it is within the total area required to support the discharge from a protected groundwater source.

No records of groundwater abstraction exist within a 500m area of the site. The nearest record of groundwater abstraction exists approximately 1.5km to the north east of the site and is identified as a bore at Tollemache Hall, Offton (Licence No. 7/35/08/\*g/065). The licence is detailed as revoked.

### 2.3.4 Rising Groundwater

The potential for rising groundwater is considered to be limited, based upon the anticipated soils beneath the site.

## 2.4 Hydrological Setting

The nearest surface water feature was detailed as a pond located 39m south east of the site and relates to an ornamental pond located on the Moat House Farm property.

A total of three surface watercourses are noted to exist within the surrounding area, the nearest of which is located 166m north west. All of the above related surface watercourses exist as land drainage associated with the River Gipping catchment

No surface water abstractions exist within a 500m radius of the site.

## 2.5 Radon

The HPA 'Indicative Atlas of Radon' 2007 (ref. **R.2**), indicates the site to lie within an area where there is a probability of <1% of present or future homes being above the action level of 200Bq/m<sup>3</sup>. As such, the site is not classified as a Radon Affected Area.

## 2.6 Nitrate Vulnerable Zone

The site and immediate surrounding area is located within an area designated as a nitrate vulnerable zone.

The Nitrates Directive, (ref. **R.4**) defines a nitrate vulnerable zone as:

- Surface freshwater which contains or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l;
- Groundwater which contains or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l;
- Natural freshwater lakes or other freshwater bodies, estuaries, coastal waters and marine waters, which are eutrophic or may become so in the near future if protective action is not taken.

### 3. ENVIRONMENTAL SEARCHES

#### 3.1 Environmental Searches Summary

The environmental searches are detailed fully within the Envirocheck Report presented within Appendix 3. Table 2 shown below, summarises the most relevant findings:

Table 2 - Environmental Searches Summary				
Activity	Distance From The Site			Comments [m]/[direction]
	Onsite	Within 250m	250m to 500m	
<b>1. Incidents and Registers</b>				
Discharge Consents.	0	2	3	93m/NW – Willow Barn, Wallow Lane, Great Bricett: Sewage Discharges (Ref. Prenf19721); 95m/NW – Wallow Farm, Wallow Lane, Great Bricett: Sewage Discharges (Ref. Prenf15104); 356/NE – Marshmoor Park, Wallow Farm, Great Bricett (3 entries): Sewage Discharges (Ref's. Pr4nf256 and Pr4nf758x).
Pollution Incidents to Controlled Waters.	0	2	0	131/NW – Category 3 (Minor): Private sewage treatment works – 16 <sup>th</sup> May 1994 (ref. 2009); 203m/SE – Category 3 (Minor): Unknown pollutant – 24 <sup>th</sup> June 1992 (ref. 1446).
<b>2. Flooding</b>				
Flooding from Rivers or Sea without Defences.	No	No	No	Site and immediate surrounding area located within Flood Zone 1 - <0.01% probability of flooding.
BGS Groundwater Flooding Susceptibility.	Yes	Yes	Yes	Limited Potential for flooding at the surface.
Surface Water Flooding.	No	Yes	Yes	<250m – small localised areas; 250m – 500m/E and SW – Associated with drainage networks.
<b>3. Landfills and Waste Treatment / Disposal Sites</b>				
Potentially Infilled Land (Water).	0	1	0	160/NW – Unknown filled ground (1958).
<b>4. Contemporary Trade Entries of Concern - NONE</b>				
<b>5. Designed Environmentally Sensitive Sites - NONE</b>				

Where no relevant or significant data records exist for an Activity, it is removed from the summary table, however, all data is included within the environmental data search raw data in Appendix 3.

## 4. SITE HISTORY

### 4.1 Historical Maps

A review of the history of the site has been conducted based upon the historical maps included within the Envirocheck report included in Appendix 4.

The relevant changes of the subject site and immediate surrounding area from the large-scale mapping are detailed in Table 3 below:

<b>Table 3 - Historical Summary</b>		
<b>Date/(Scale)</b>	<b>Potentially Contaminative Land Uses / Significant Changes</b>	
	<b>Onsite [Direction]</b>	<b>Offsite [Distance/Direction]</b>
<b>1884-1885</b> (1:2,500) <b>1884-1886</b> (1:10,560)	<ul style="list-style-type: none"> <li>Site appears as open and undeveloped, forming part of a larger undeveloped field.</li> <li>A footpath is noted adjacent to the south west site boundary;</li> <li>Trees are noted adjacent to the site boundary towards the eastern corner of the site.</li> </ul>	<ul style="list-style-type: none"> <li>Surrounding area largely open and undeveloped;</li> <li>35m/SE – Structures located in present day location of Moat House Farm, identified as Greyhound Inn, including a pond;</li> <li>40m/SE - Bildeston Road noted in its present-day location;</li> <li>90m/NW – Waller lane located in present day location of Wallow Lane, with Waller Farm located immediately beyond;</li> <li>90m/NW,110m/NW and 140m/SE – Ponds;</li> <li>210m/SE – Structures associated with Underwood Grange Farm;</li> <li>250m/SW – Structures associated with Does’s Farm.</li> </ul>
<b>1904</b> (1:2,500) <b>1905</b> (1:10,560)	<ul style="list-style-type: none"> <li>Trees no longer noted.</li> </ul>	<ul style="list-style-type: none"> <li>No significant changes of note.</li> </ul>
<b>1958</b> (1:10,000)	<ul style="list-style-type: none"> <li>No significant changes of note.</li> </ul>	<ul style="list-style-type: none"> <li>No significant changes of note.</li> </ul>
<b>1970</b> (1:2,500) <b>1973</b> (1:10,000)	<ul style="list-style-type: none"> <li>Footpath noted to be located offsite.</li> <li>Part of a structure is noted to overlap the south east site boundary.</li> </ul>	<ul style="list-style-type: none"> <li>Footpath formerly on site located immediately adjacent to the south west site boundary;</li> <li>On-site structure continues to the south west;</li> <li>15m/SE – Small scale structural development associated with Moat House (formerly Greyhound Inn);</li> <li>Waller Farm and Waller Lane identified as Wallow Farm and Wallow Lane, respectively;</li> <li>Large scale development of Wallow Farm to include a number of large outbuildings. Small number of ponds remain.</li> </ul>
<b>1994/1996</b> (1:2,500)	<ul style="list-style-type: none"> <li>By 1996, a number of structures are noted to exist in the south east of the site, together with access road.</li> </ul>	<ul style="list-style-type: none"> <li>15m/SE – a number of Moat House structures are demolished;</li> <li>115m/N - Willow farm includes a caravan site;</li> <li>110m/NW – pond no longer noted.</li> </ul>
<b>1999</b> (ap) <b>2000/2006</b> (1:10,000)	<ul style="list-style-type: none"> <li>Large structure in south east shown to be demolished.</li> <li>Line of trees shown on the north east and south west boundaries.</li> </ul>	<ul style="list-style-type: none"> <li>Surrounding area largely shown as agricultural;</li> <li>95m/N – Caravan site extends southward, renamed ‘Marshmoor Mobile Home Park’;</li> <li>Pond no longer noted on Willow Farm.</li> </ul>

**Table 3 - Historical Summary**

Date/(Scale)	Potentially Contaminative Land Uses / Significant Changes	
	Onsite [Direction]	Offsite [Distance/Direction]
2019 (1:10,000)	<ul style="list-style-type: none"> <li>Allotment areas shown in central part of site;</li> <li>Two structures remain on site and adjacent to the south east site boundary.</li> </ul>	<ul style="list-style-type: none"> <li>No significant changes of note.</li> <li>Surrounding area remains largely agricultural.</li> </ul>
<p><b>Notes:</b> It should be noted that the dates of the maps do not always correspond with the time of the surveys.</p>		

Where no significant factors or changes occur within a map edition(s) it is summarised with “No significant changes of note”.

Please note that the alignment and extent of the detailed site area in early map editions is often mis-aligned compared to modern mapping due to variation in mapping/digitisation processes; this is compensated for where possible within the interpretation.

## 5. CONCEPTUAL MODEL

The risk assessment methodology is based upon current guidelines and legislation (refs. **R.5** and **R.6**).

The current guidance requires that a conceptual model be formulated, based upon the findings of the research. The conceptual model is limited at this stage to the identification and assessment of potential 'hazards', identified or suspected from the results of the research; the potential 'receptors' that may be affected and the anticipated 'pathways' to those receptors. The findings are summarised in the following subsections.

The guidance proposes a four-stage approach for the assessment of contamination and the associated risks. The four stages are listed below:

- Hazard Identification;
- Hazard Assessment;
- Risk Estimation; and
- Risk Evaluation.

In accordance with the guidance, only the first two stages are addressed in a preliminary risk assessment; should hazards exist which are a potential risk then more intrusive investigation works are recommended.

### 5.1 Hazard Identification: Onsite

The desk-based research and historical review identified the following potential hazard(s) on the site:

- Potential Asbestos Containing Material (pACM) (Barn roofing);
- Historic structures noted within the 1996 historic mapping and demolished by 1999;
- Area of burning adjacent to the north east site boundary and to the rear of the existing barn.

The areas of allotment, noted currently and historically, are considered as presenting a low probability of contamination to the site, given the longevity of their existence and their use for residential purposes. They have therefore been removed from any further consideration as a source of contamination to the site.

The barn roofing, whilst considered to contain pACM, was in a good state of repair. Assuming this is to be professionally identified and removed as part of the proposed development, this source may be removed from further consideration.

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## 5.2 Hazard Identification: Offsite

The desk-based research and historical review did not identify any potential hazards offsite that may impact upon the site.

A number of ponds were noted to exist historically in the wider surrounding area, which were assumed as backfilled as they were removed from the mapping or listed as being infilled within the desk study data.

Whilst considered a potential source of hazardous ground gas, their distance from the site, together with the expected geology, indicates that the probability and therefore risk to the site is very low. The source has therefore been removed from any further consideration.

## 5.3 Hazard Assessment

The preliminary risk assessment has identified a few potential sources of contamination that may pose risk to human health and the Controlled Waters. Potential pollutant linkages that require further consideration are presented in Table 4 shown overleaf:

**Table 4 – Conceptual Model**

Sources	PATHWAYS:					RECEPTORS:						Risk Rating	Comments
	Root Uptake	Direct Contact	Ingestion	Respiration	Gas Accumulation	Plants	End Users	Structures (Concrete)	Services/Utilities	Construction Workers	Controlled Waters (GW)		
Made Ground associated with historic structures	L	L	L	U	U	Mi	Mo	Mo	N	Mi	N	LR-MR	Made Ground is likely to comprise demolition waste from former structures, although this is likely to represent a point source rather than being site-wide.
Area of burning	L	L	L	N	N	Mi	Mi	N	N	Mi	N	LR	Certain poly-aromatic hydrocarbons may be generated by burning, which can affect receptors in elevated quantities, although this is considered a small-scale point source.
<b>Legend:-</b> See Comparison of Consequence Against Probability within Appendix 5 for Key to Legend.	<b>Probability:</b>					<b>Consequence (Severity):</b>						<b>Risk Rating:</b>	
	Negligible (N)					Negligible (N)						Very High Risk	<b>VH</b>
	Unlikely (U)					Mild (Mi)						High Risk	<b>HR</b>
	Likely (L)					Moderate (Mo)						Medium Risk	<b>MR</b>
	Highly Likely (HL)					Severe (S)						Low Risk	<b>LR</b>
											Negligible Risk	<b>NR</b>	



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## 6. CONCLUSIONS AND RECOMMENDATIONS

Based upon the findings of the preliminary risk assessment and site walkover, a number of potential contaminant sources and pathways to potential receptors have been identified.

Sources of contamination include Made Ground, from the demolition of historic structures, and an area of burning (bonfire), both of which are considered to be point sources rather than being a site-wide risk, but which reside within proposed areas of residential garden. It is recommended that a preliminary intrusive ground investigation is undertaken, specifically located in the area of demolished former structures and area of bonfire, to determine the extent of any potential contamination within the soil strata.

Any intrusive-based investigation should incorporate soil recovery for subsequent chemical analysis, with ground gas monitoring wells installed should any Made Ground contain soils other than construction waste, as there may be a risk of hazardous ground gases to be generated.

The existing barn should be subject to an asbestos survey in accordance with appropriate guidance (ref. **R.8**), together with professional removal. Although any activity that results in asbestos fragments affecting the soils (through damage) should be subject to risk assessment by an appropriate qualified person and remediation undertaken, where necessary.

Any ground investigation should be designed in general accordance with CLR 4, (ref. **R.7**) undertaken in compliance with BS10175 and BS5930.

It is recommended that this report be submitted to the Local Authority as part of the planning submission for the site.

---

# APPENDICES

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## Appendix 1 – Report Limitations and Conditions

### General Limitations and Exceptions

This report was prepared solely for our Client for the stated purposes only and is not intended to be relied on by any other party or for any other use. No extended duty of care to any third party is implied or offered.

Geosphere Environmental Ltd does not purport to provide specialist legal advice.

The Executive Summary, Conclusions and Recommendations sections of the report provide an overview and guidance only and should not be specifically relied upon until considered in the context of the whole report.

Interpretations and recommendations contained in the report represent our professional opinions, which were arrived at in accordance with currently accepted industry practices at the time of reporting and based upon current legislation in force at that time.

### Environmental and Geotechnical Reporting (including Phase 1, Phase 2 and Site Walkovers) Limitations and Exceptions

The comments given in this report and the options expressed herein, are based upon the readily available information collated for the report and an assessment based upon the current guidance which for Phase 1 / Phase 2 report is primarily the Contaminated Land Research (CLR) Report and notable, CLR report 3, 'Documentary research on industrial sites'.

The report has been prepared in relation to the proposed end use and should another end use be intended, reassessment may be required.

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

The opinions expressed cannot be absolute, due to the limitation of time and resources imposed by the agreed brief.

With regards to any aspect of land contamination referred to, this is limited to those aspects specifically stated and necessarily qualified. No liability shall be accepted for other aspects which may be the result of gradual or sudden pollution incidents, past or present land uses and the potential for associated contamination migration.

Any Desk Study Report / data has been produced largely from the information purchased from The Landmark Information Group. The information is not necessarily exhaustive and further information relevant to the site may be available from other sources. The information purchased has been assumed to be correct and free from errors. However, there is the possibility that some data may be missing from the report including (but not limited to) unrecorded land uses both onsite and offsite or unrecorded pollution events. No attempt has been made to verify the information.

The accuracy of any map extracts cannot be guaranteed. It is possible that different conditions existed onsite, between and subsequent to the various map surveys provided.

Any site walkover undertaken is a snapshot of the site recording the visually evident conditions at the time of the walkover in the areas readily accessible. It is possible that after the walkover, the site was altered (for example by fly-tipping or groundworks) or before the walkover, the site conditions changed removing evidence of potentially contaminative features (such as oil tanks removed).

Any intrusive works only cover a tiny proportion of the site. Where exploratory holes are positioned by Geosphere Environmental Limited, they are located to give as good a coverage of the site as possible and to target features / proposed land use where applicable, whilst allowing for areas that cannot be accessed, Client requested locations and other site / time / budget constraints. Whilst assumptions may have been drawn between exploratory holes on the ground conditions and / or extent or otherwise of any contamination, this is for guidance only and no liability can be accepted on its accuracy.

Foundation design is outside of the remit of Geosphere Environmental Limited unless specifically stated and it is recommended that the services of foundation design specialists are sought as required. Any foundation appraisal contained within the report is limited to foundation optioneering.

Any conceptual model is based upon the information available at the time of conducting this assessment and is an interpretive assessment of the conditions at the site. Redevelopment and / or further investigation of the site may reveal additional information and therefore alter the conceptual model and the report conclusions.

Any infiltration testing results are considered to be representative of the ground conditions at the locations tested and at the time of testing. As well as lateral variation in ground conditions, seasonal changes in ground water level may affect the results.

Any post-fieldwork monitoring (including ground gas / groundwater) is a snapshot of the conditions at the time of monitoring.

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## Appendix 2 – References

- R.1. CLR 11, 'Model Procedures for the Management of Contaminated Land: Risk Assessment Procedure', DoE 2004.
- R.2. The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017.
- R.3. Health Protection Agency and British Geological Survey, Report HPA-RPD-033 'Indicative Atlas of Radon in England and Wells', 2007.
- R.4. Nitrates Directive (91/676/EEC) 1991.
- R.5. The Environmental Protection Act, Part IIA, Section 78, 1990.
- R.6. Environment Act 1995, Section 57, DoE 1995.
- R.7. CLR 4, 'Sampling strategies for contaminated land', DoE 2004.
- R.8. Asbestos: The Survey Guide, HSG 264, 2<sup>nd</sup> Edition, 2012.
- R.9. National Radiological Protection Board, Report NRPB-R290, 1996, 'Radon Atlas of England'.
- R.10. Planning portal website: Baburgh and East Suffolk  
<https://planning.baberghmidsuffolk.gov.uk/online-applications/>

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## Appendix 3 – Envirocheck Data Search Report

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

213490256\_1\_1

**Customer Reference:**

4134,DS

**National Grid Reference:**

603400, 249550

**Slice:**

A

**Site Area (Ha):**

0.5

**Search Buffer (m):**

1000

#### Site Details:

Moat House Farm, Great Bricett

IPSWICH

IP7 7DB

#### Client Details:

Mrs A Davies

Geosphere Environmental Ltd

Brightwell Barns

Ipswich Road

Brightwell

Suffolk

IP10 0BJ

#### Prepared For:

Mr John Pooley

Kaput Ltd

Hadleigh Road

Holton St Mary

Colchester

CO7 6NN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	16
Hazardous Substances	-
Geological	17
Industrial Land Use	18
Sensitive Land Use	19
Data Currency	20
Data Suppliers	25
Useful Contacts	26

### 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)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		2	3	8
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4		2		1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	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 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones	pg 5	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 5		3	28	59

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 16		1		1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 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		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 18				1
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland					
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 19	2	1		1
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SE)	0	1	603398 249552
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	399	1	603398 250000
1	<b>Discharge Consents</b> Operator: Michael Aldridge And Wendy Andrade Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Wallow Barn Wallow Lane, Great Bricett, Ipswich, Suffolk, Ip7 7bz Authority: Environment Agency, Anglian Region Catchment Area: River Gipping / River Jordan Reference: Prenf19721 Permit Version: 1 Effective Date: 23rd December 2005 Issued Date: 23rd December 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Belstead Brook Trib Of River G <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	93	2	603284 249631
1	<b>Discharge Consents</b> Operator: Mrs A Patrick Property Type: Domestic Property (Single) Location: Wallow Farm Wallow Lane, Great Bricett, Ipswich, Suffolk, Ip7 7bz Authority: Environment Agency, Anglian Region Catchment Area: River Gipping / River Jordan Reference: Prenf15104 Permit Version: 1 Effective Date: 27th June 2002 Issued Date: 12th July 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Gipping <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b> Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	95	2	603280 249630
2	<b>Discharge Consents</b> Operator: Charles Simpson Organisation Ltd Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA Location: Marshmoor Park Wallow Farm, Wallow Lane, Bricett, Ip7 7bz Authority: Environment Agency, Anglian Region Catchment Area: River Gipping / River Jordan Reference: Pr4nf256 Permit Version: 3 Effective Date: 11th August 1992 Issued Date: 11th August 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Gipping <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b> Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	356	2	603700 249800
2	<b>Discharge Consents</b> Operator: Marshmoor Mobile Home Park Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA Location: Marshmoor Park Wallow Farm, Wallow Lane, Bricett, Ip7 7bz Authority: Environment Agency, Anglian Region Catchment Area: River Gipping / River Jordan Reference: Pr4nf256 Permit Version: 2 Effective Date: 13th August 1985 Issued Date: 13th August 1985 Revocation Date: 10th August 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Gipping <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	356	2	603700 249800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p><b>Discharge Consents</b></p> <p>Operator: Charles Simpson Organisatn Ltd  Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA  Location: Marshmoor Park Wallow Farm, Wallow Lane, Bricett, Ip7 7bz  Authority: Environment Agency, Anglian Region  Catchment Area: River Gipping / River Jordan  Reference: Pr4nf758x  Permit Version: 1  Effective Date: 10th November 1972  Issued Date: 10th November 1972  Revocation Date: 12th August 1985  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Gipping  <b>Status:</b> Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989  Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	356	2	603700 249800
3	<p><b>Discharge Consents</b></p> <p>Operator: The Licencee  Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)  Location: Red Lion Public House, Gt.Bricett, Ipswich.  Authority: Environment Agency, Anglian Region  Catchment Area: River Gipping / River Jordan  Reference: Pr4nf232  Permit Version: 1  Effective Date: 21st August 1985  Issued Date: 21st August 1985  Revocation Date: 17th November 1993  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Belstead Brook  <b>Status:</b> Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989  Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	799	2	604100 250000
4	<p><b>Discharge Consents</b></p> <p>Operator: Mr A J Whittle  Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB  Location: Red Lion Ph Great Bricett, Ipswich, Suffolk, Ip7 7dd  Authority: Environment Agency, Anglian Region  Catchment Area: River Gipping / River Jordan  Reference: Pr4nf232  Permit Version: 2  Effective Date: 18th November 1993  Issued Date: 18th November 1993  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary Belstead Brook  <b>Status:</b> Post National Rivers Authority Legislation where issue date &gt; 31/08/1989  Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	852	2	604150 250020
5	<p><b>Discharge Consents</b></p> <p>Operator: Mr Richard Hunter  Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)  Location: Coopers Farm Whatfield Road, Naughton, Ipswich, Ip7 7bp  Authority: Environment Agency, Anglian Region  Catchment Area: Not Given  Reference: Prenf08162  Permit Version: 2  Effective Date: 23rd November 1992  Issued Date: 23rd November 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  <b>Status:</b> Post National Rivers Authority Legislation where issue date &gt; 31/08/1989  Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	945	2	602440 249300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p><b>Discharge Consents</b></p> <p>Operator: Mr. &amp; Mrs. Hunter  Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)  Location: Coopers Farm Whatfield Road, Naughton, Ipswich, Ip7 7bp  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Prenf08162  Permit Version: 1  Effective Date: 24th June 1992  Issued Date: 24th June 1992  Revocation Date: 22nd November 1992  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib River Brett  <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	945	2	602440 249300
6	<p><b>Discharge Consents</b></p> <p>Operator: Mr C Carter  Property Type: Domestic Property (Single)  Location: Granary House Mill Road, Great Bricett, Ipswich, Suffolk, Ip7 7de  Authority: Environment Agency, Anglian Region  Catchment Area: River Gipping / River Jordan  Reference: Prenf14008  Permit Version: 1  Effective Date: 27th March 2002  Issued Date: 2nd April 2002  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary Of River Gipping  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	954	2	603910 250410
6	<p><b>Discharge Consents</b></p> <p>Operator: Orchid Properties  Property Type: Domestic Property (Single)  Location: Pentice House, Mill Lane, Great Bricett, Suffolk  Authority: Environment Agency, Anglian Region  Catchment Area: River Gipping / River Jordan  Reference: Prenf14028  Permit Version: 1  Effective Date: 26th April 2002  Issued Date: 11th September 2002  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary Of River Gipping  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	964	2	603880 250440
7	<p><b>Discharge Consents</b></p> <p>Operator: A J Osborn  Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)  Location: Further Meadow Farm, Offton, Ipswich, Suffolk, Ip8 4rs  Authority: Environment Agency, Anglian Region  Catchment Area: River Gipping / River Jordan  Reference: Prenf13846  Permit Version: 1  Effective Date: 13th November 2001  Issued Date: 13th November 2001  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary Of River Gipping  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	985	2	604420 249700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p><b>Discharge Consents</b></p> <p>Operator: Neil G Hames &amp; Joan M Moore  Property Type: Domestic Property (Single)  Location: The Laurels Whitfield Road, Naughton, Ipswich, Suffolk, Ip7 7bp  Authority: Environment Agency, Anglian Region  Catchment Area: Belstead Brook (Hintlesham)  Reference: Prenf15893  Permit Version: 1  Effective Date: 27th August 2003  Issued Date: 27th August 2003  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Belstead Brook  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A11SE (W)	998	2	602352 249499
	<p><b>Nearest Surface Water Feature</b></p>	A13SE (SE)	39	-	603434 249488
9	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Private Sewage (Non-PLC): Sewage Treatment Works  Location: Ipswich District  Authority: Environment Agency, Anglian Region  Pollutant: Sewage - Treated Effluent  Note: Tributary Belstead Brook  Incident Date: 16th May 1994  Incident Reference: 2009  Catchment Area: Not Given  Receiving Water: Freshwater Stream/River  Cause of Incident: None Found  Incident Severity: Category 3 - Minor Incident  Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	141	2	603300 249700
10	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given  Location: Ipswich District  Authority: Environment Agency, Anglian Region  Pollutant: Unknown  Note: Belstead Brook  Incident Date: 24th June 1992  Incident Reference: 1446  Catchment Area: Not Given  Receiving Water: Freshwater Stream/River  Cause of Incident: Unknown  Incident Severity: Category 3 - Minor Incident  Positional Accuracy: Located by supplier to within 100m</p>	A13SE (SE)	203	2	603600 249400
11	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Road  Location: Ipswich District  Authority: Environment Agency, Anglian Region  Pollutant: Oils - Diesel (Including Agricultural)  Note: Tributary River Gipping  Incident Date: 18th June 1998  Incident Reference: 3160  Catchment Area: Not Given  Receiving Water: Freshwater Stream/River  Cause of Incident: Collision  Incident Severity: Category 3 - Minor Incident  Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	672	2	604100 249700
	<p><b>Water Abstractions</b></p> <p>Operator: B W Crick &amp; Sons  Licence Number: 7/35/08/*g/065  Permit Version: Not Supplied  Location: Bore At Tollemache Hall, OFFTON  Authority: Environment Agency, Anglian Region  Abstraction: Agriculture (General)  Abstraction Type: Not Supplied  Source: Well And Borehole  Daily Rate (m3): 2  Yearly Rate (m3): 7000  Details: E chalk; Status: Revoked  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A20SE (NE)	1493	2	604800 250170



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13SW (SE)	0	3	603398 249552
	<b>Groundwater Vulnerability - Soluble Rock Risk</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Principal Aquifer	A13SW (SE)	0	3	603398 249552
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SW (SE)	0	3	603398 249552
12	<b>Source Protection Zones</b> Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SW (SE)	0	2	603398 249552
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
13	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13NW (NW)	166	4	603272 249712
14	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 208.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13NW (NW)	172	4	603269 249717
15	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 31.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SE (SE)	246	4	603609 249349

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 123.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13NE (NE)	272	4	603567 249820
17	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SE (SE)	276	4	603623 249322
18	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 53.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SE (SE)	285	4	603626 249313
19	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 164.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NE (S)	316	4	603439 249198
20	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SE (SE)	334	4	603640 249261
21	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 151.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NW (S)	337	4	603372 249172
22	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NE (S)	339	4	603529 249201
23	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SE (SE)	340	4	603641 249256
24	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 117.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NE (SE)	344	4	603573 249211

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SE (SE)	348	4	603638 249244
26	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13SE (SE)	349	4	603644 249246
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 108.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NE (S)	351	4	603533 249190
28	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A18SW (NW)	371	4	603184 249899
29	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 88.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12NE (W)	376	4	602982 249649
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 374.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	389	4	603831 249605
31	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 183.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	389	4	603834 249592
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12NE (W)	396	4	602952 249566
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 121.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SE (W)	400	4	602948 249553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 353.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NE (SE)	407	4	603664 249191
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 401.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A8NE (SE)	407	4	603664 249191
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 574.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12NE (NW)	425	4	603028 249843
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 310.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14SW (E)	445	4	603875 249407
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 172.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SE (SW)	458	4	603016 249229
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 355.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 2	A8NE (S)	482	4	603411 249028
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 141.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12NE (NW)	492	4	602951 249854
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12NE (NW)	494	4	602945 249848
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 195.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SE (SW)	494	4	602937 249285

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 505.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12NE (NW)	495	4	602940 249845
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SE (SW)	506	4	602931 249271
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SE (SW)	507	4	602937 249260
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	522	4	603002 249147
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	532	4	603000 249135
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 64.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	542	4	602999 249122
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 79.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	561	4	603036 249065
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 175.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	577	4	604010 249673
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 189.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	584	4	604025 249633

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 106.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14SW (E)	586	4	604027 249441
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 100.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SE (NW)	604	4	602864 249926
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 147.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 2	A17SE (NW)	604	4	602864 249926
55	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 2	A7NE (SW)	608	4	603058 248992
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	609	4	603056 248992
57	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 486.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SE (W)	610	4	602739 249513
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	616	4	603055 248984
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	622	4	603054 248978
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A18NW (N)	676	4	603271 250263

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 213.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A18NW (N)	680	4	603274 250267
62	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 262.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14SE (E)	682	4	604128 249474
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SE (NW)	684	4	602767 249925
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 113.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SE (NW)	684	4	602768 249927
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	698	4	603026 248906
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 165.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	703	4	603024 248902
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A9SW (SE)	728	4	603751 248871
68	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 608.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A9SW (SE)	739	4	603762 248865
69	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 334.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14SE (E)	754	4	604188 249386

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 163.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SW (W)	767	4	602598 249402
71	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SW (NW)	785	4	602656 249934
72	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 105.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	787	4	602833 248942
73	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 40.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SW (NW)	792	4	602648 249934
74	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SW (NW)	826	4	602608 249931
75	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 310.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NW (SW)	827	4	602649 249118
76	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 103.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SW (NW)	831	4	602599 249925
77	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 727.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7SE (SW)	864	4	602986 248739
78	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 185.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7SE (SW)	864	4	602932 248769



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NW (SW)	866	4	602601 249123
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A18NW (N)	867	4	603341 250465
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 88.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NW (SW)	870	4	602597 249123
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	873	4	602758 248895
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	876	4	602754 248894
84	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 300.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A18NW (N)	878	4	603348 250477
85	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 426.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A18NW (N)	878	4	603348 250477
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 292.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A19NW (NE)	885	4	603964 250288
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	886	4	602744 248891

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 86.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 2	A7SE (SW)	892	4	602752 248873
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 205.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NE (SW)	893	4	602736 248889
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 2	A7NE (SW)	893	4	602736 248889
91	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 40.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7SE (SW)	894	4	602806 248822
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 145.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12NW (W)	900	4	602448 249589
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14SE (E)	905	4	604354 249514
94	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 175.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14SE (E)	911	4	604360 249515
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 22.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SW (W)	923	4	602459 249315
96	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SW (W)	925	4	602496 249923

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 90.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17SW (W)	939	4	602483 249929
98	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17NE (N)	942	4	603059 250476
99	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A12SW (W)	944	4	602440 249304
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A17NE (N)	945	4	603047 250475
101	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 75.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A7NW (W)	994	4	602438 249161
102	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 258.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A19NW (N)	1000	4	603747 250540

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: Suffolk County Council - Has supplied landfill data		0	5	603398 249552
	<b>Local Authority Landfill Coverage</b> Name: Mid Suffolk District Council - Has supplied landfill data		0	6	603398 249552
	<b>Local Authority Landfill Coverage</b> Name: Babergh District Council - Has supplied landfill data		42	7	603448 249484
103	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A13NW (NW)	160	-	603224 249665
104	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A19SW (NE)	543	-	603844 249921

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: White Chalk Subgroup	A13SW (SE)	0	1	603398 249552
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SE)	0	1	603398 249552
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (NE)	174	1	603508 249742
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	603398 249552
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	603398 249552
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	603398 249552
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	603398 249552
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	603398 249552
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	603398 249552
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	603398 249552
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	603398 249552

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<p><b>Points of Interest - Manufacturing and Production</b></p> <p>Name: F G Pratt            Location: Brick House Farm, Ipswich Road, Naughton, Ipswich, IP7 7DA            Category: Farming            Class Code: Arable Farming            Positional Accuracy: Positioned to address or location</p>	A7NE (SW)	702	8	602912 248984

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	<b>Nitrate Vulnerable Zones</b> Name: Belstead Brook Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SW (SE)	0	3	603398 249552
107	<b>Nitrate Vulnerable Zones</b> Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A13SW (SE)	0	3	603398 249552
108	<b>Nitrate Vulnerable Zones</b> Name: River Gipping Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (N)	149	3	603395 249749
109	<b>Nitrate Vulnerable Zones</b> Name: Lower Stour Nvz Description: Surface Water Source: Environment Agency, Head Office	A17SE (NW)	726	3	602947 250168

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department	June 2014 September 2014	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region	April 2019	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	Annual Rolling Update
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Variable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	April 2019	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department	June 2014 June 2014	Variable Variable
<b>Local Authority Pollution Prevention and Controls</b> Mid Suffolk District Council - Environmental Health Department Babergh District Council - Environmental Services	June 2014 June 2014	Annual Rolling Update Not Applicable
<b>Local Authority Pollution Prevention and Control Enforcements</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department	June 2014 June 2014	Variable Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	January 2019	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	Annual Rolling Update
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	Annual Rolling Update
<b>Registered Radioactive Substances</b> Environment Agency - Anglian Region	June 2016	
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Eastern Area	April 2019	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	July 2019	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	October 2017	Quarterly
<b>Groundwater Vulnerability Map</b> Environment Agency - Head Office	June 2018	Annually
<b>Groundwater Vulnerability - Soluble Rock Risk</b> Environment Agency - Head Office	June 2018	Annually
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually



Agency & Hydrological	Version	Update Cycle
<b>Source Protection Zones</b> Environment Agency - Head Office	July 2019	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2019	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2019	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	May 2019	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	May 2019	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	May 2019	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	April 2019	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	July 2019	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Eastern Area	July 2018	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Eastern Area	April 2019	Quarterly
<b>Local Authority Landfill Coverage</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department Suffolk County Council	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Mid Suffolk District Council - Environmental Health Department Babergh District Council - Environmental Services Suffolk County Council	July 2003 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department	February 2006 February 2016 February 2016	Annual Rolling Update Variable Variable
<b>Planning Hazardous Substance Consents</b> Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department	February 2006 February 2016 February 2016	Annual Rolling Update Variable Variable

Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2019	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	April 2019	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	May 2019	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	
<b>Points of Interest - Commercial Services</b> PointX	July 2019	Quarterly
<b>Points of Interest - Education and Health</b> PointX	July 2019	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	July 2019	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	July 2019	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	July 2019	Quarterly
<b>Underground Electrical Cables</b> National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	August 2018	Bi-Annually
<b>Areas of Outstanding Natural Beauty</b> Natural England	June 2019	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	March 2019	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2019	Bi-Annually
<b>National Nature Reserves</b> Natural England	July 2019	Bi-Annually
<b>National Parks</b> Natural England	April 2017	Bi-Annually
<b>Nitrate Vulnerable Zones</b> Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
<b>Ramsar Sites</b> Natural England	April 2019	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	March 2019	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	June 2019	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2019	Bi-Annually

A selection of organisations who provide data within this report



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

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	<b>Suffolk County Council</b> St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Telephone: 01473 583000 Fax: 01473 230240 Website: www.suffolkcc.gov.uk
6	<b>Mid Suffolk District Council - Environmental Health Department</b> Council Offices, 131 High Street, Needham Market, Ipswich, Suffolk, IP6 8DL	Telephone: 01473 826622 Email: customer.services@baberghmidsuffolk.gov.uk Website: www.midsuffolk.gov.uk
7	<b>Babergh District Council - Environmental Services</b> Council Offices, Corks Lane, Hadleigh, Ipswich, Suffolk, IP7 6SJ	Telephone: 01473 825880 Fax: 01473 825738 Website: www.babergh.gov.uk
8	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk




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

## Geology 1:50,000 Maps Legends

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LOFT	Lowestoft Formation	Diamicton	Not Supplied - Anglian
	HEAD	Head	Diamicton	Not Supplied - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	RCG	Red Crag Formation	Sand	Not Supplied - Piacenzian
	TALM	Thanet Formation And Lambeth Group (Undifferentiated)	Clay, Silt and Sand	Not Supplied - Paleocene
	NCK	Newhaven Chalk Formation	Chalk	Not Supplied - Santonian

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### Geology 1:50,000 Maps

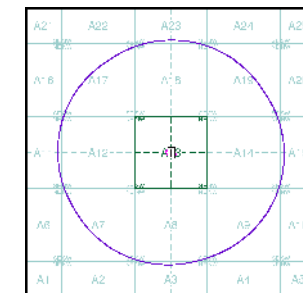
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	207
Map Name:	Ipswich
Map Date:	2006
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:

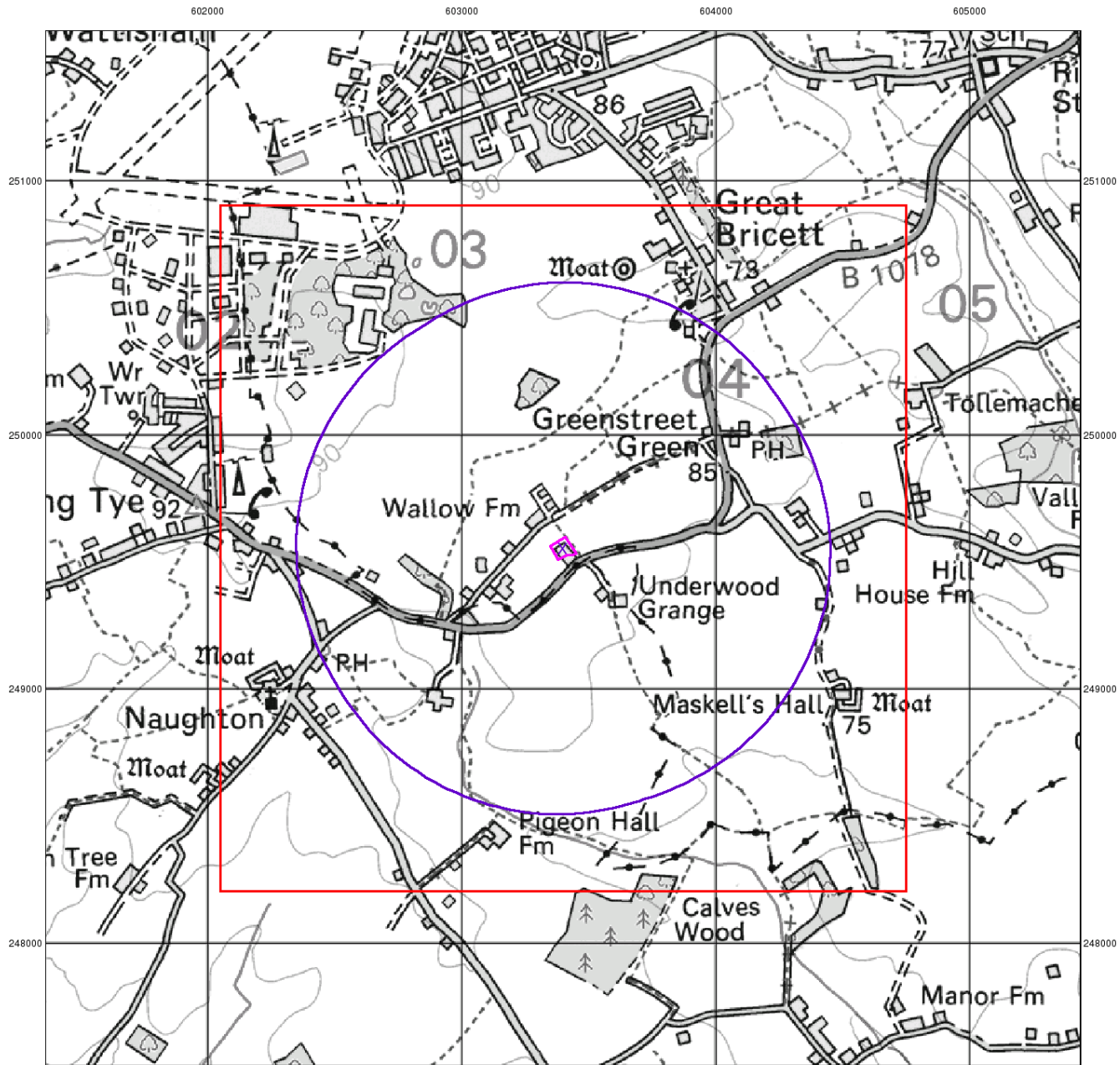
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Customer Reference:	4134_DS
National Grid Reference:	603400, 249550
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

### Site Details:

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## Artificial Ground and Landslip

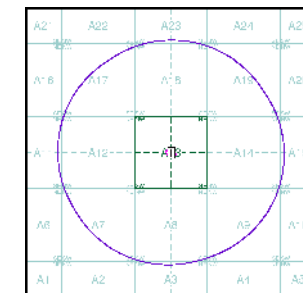
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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: 213490256\_1\_1  
 Customer Reference: 4134.DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details:

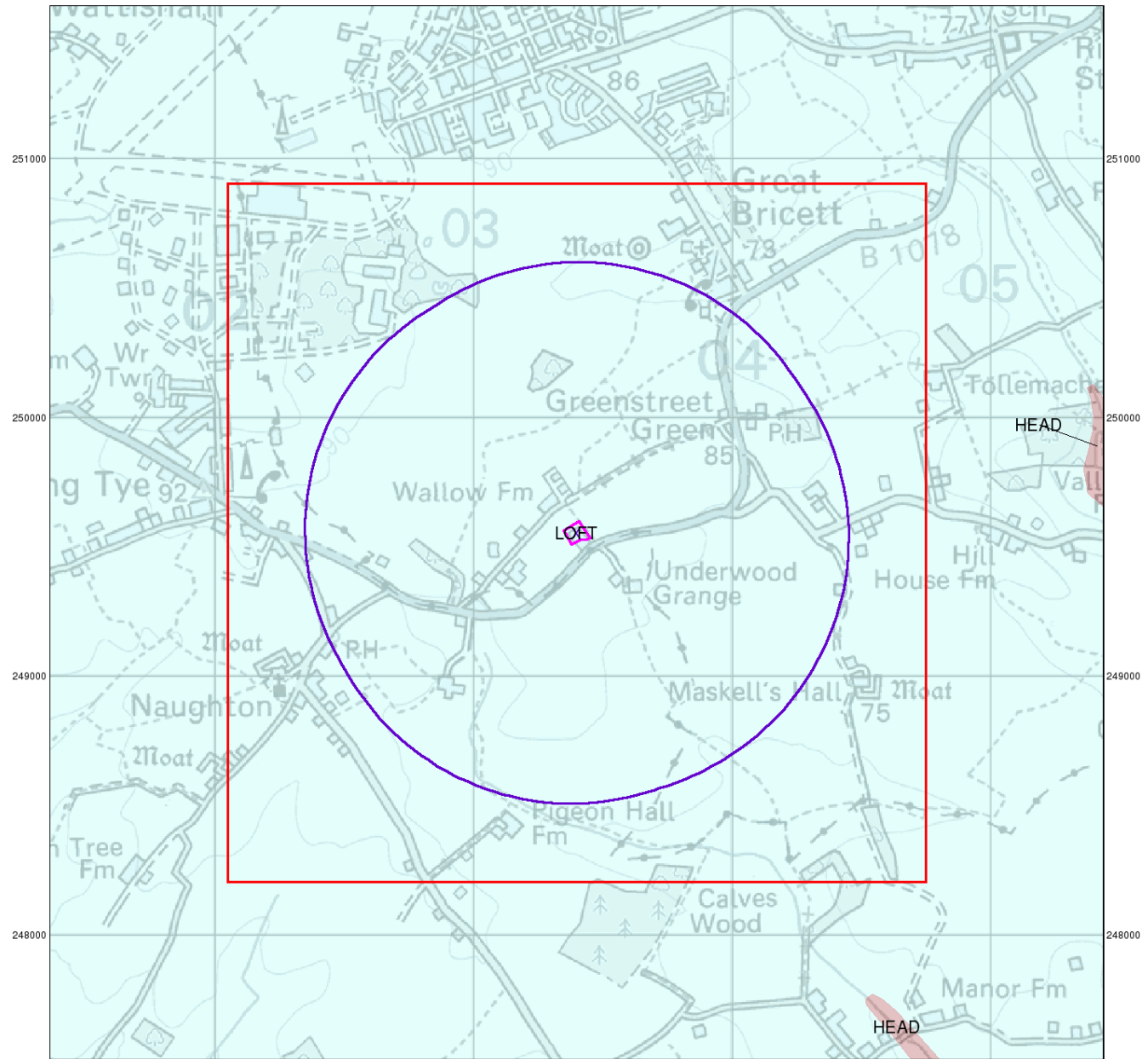
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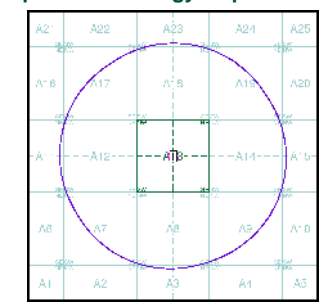
## Superficial Geology

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:

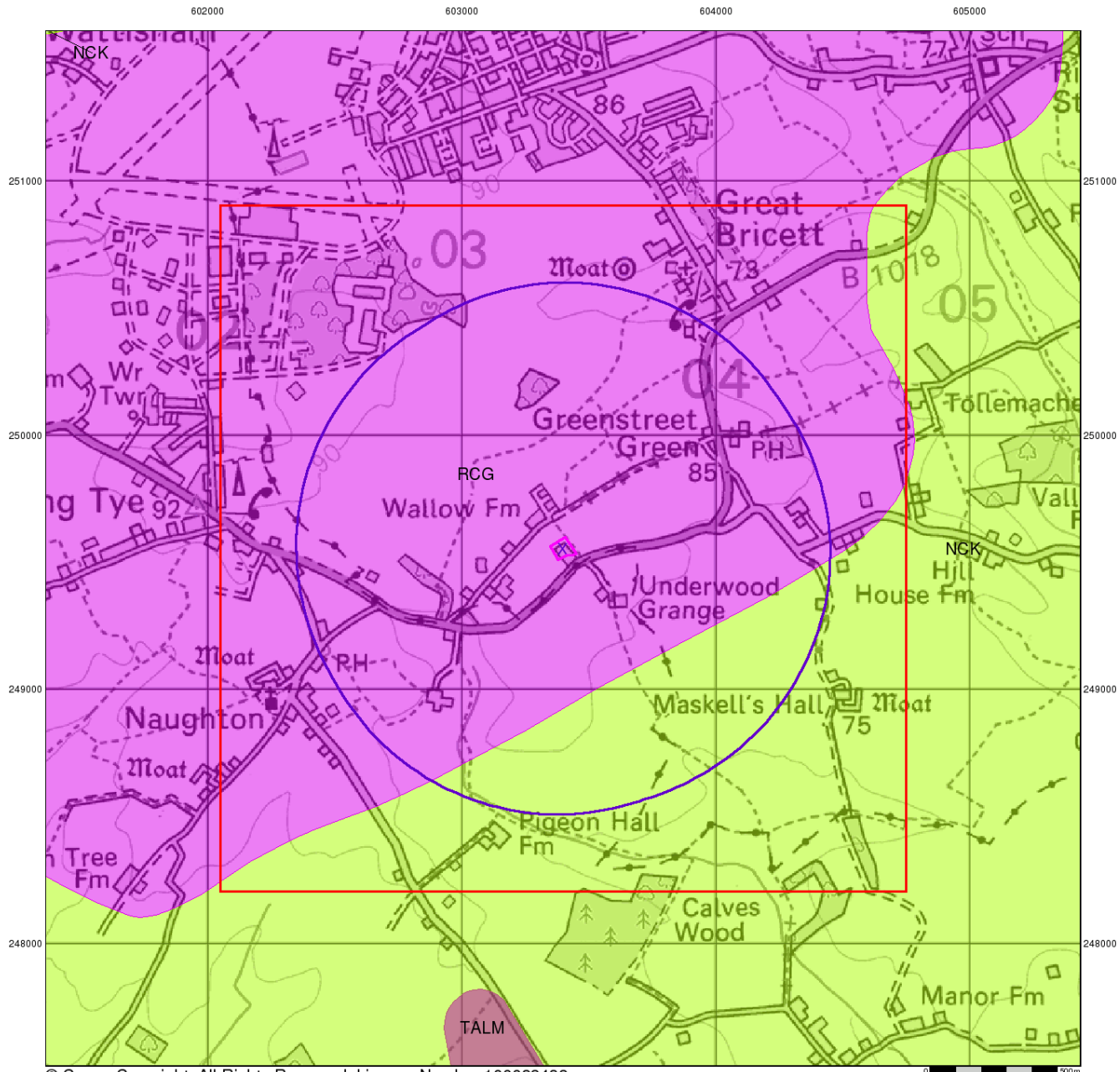
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 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

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## Bedrock and Faults

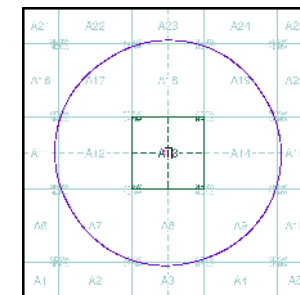
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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:

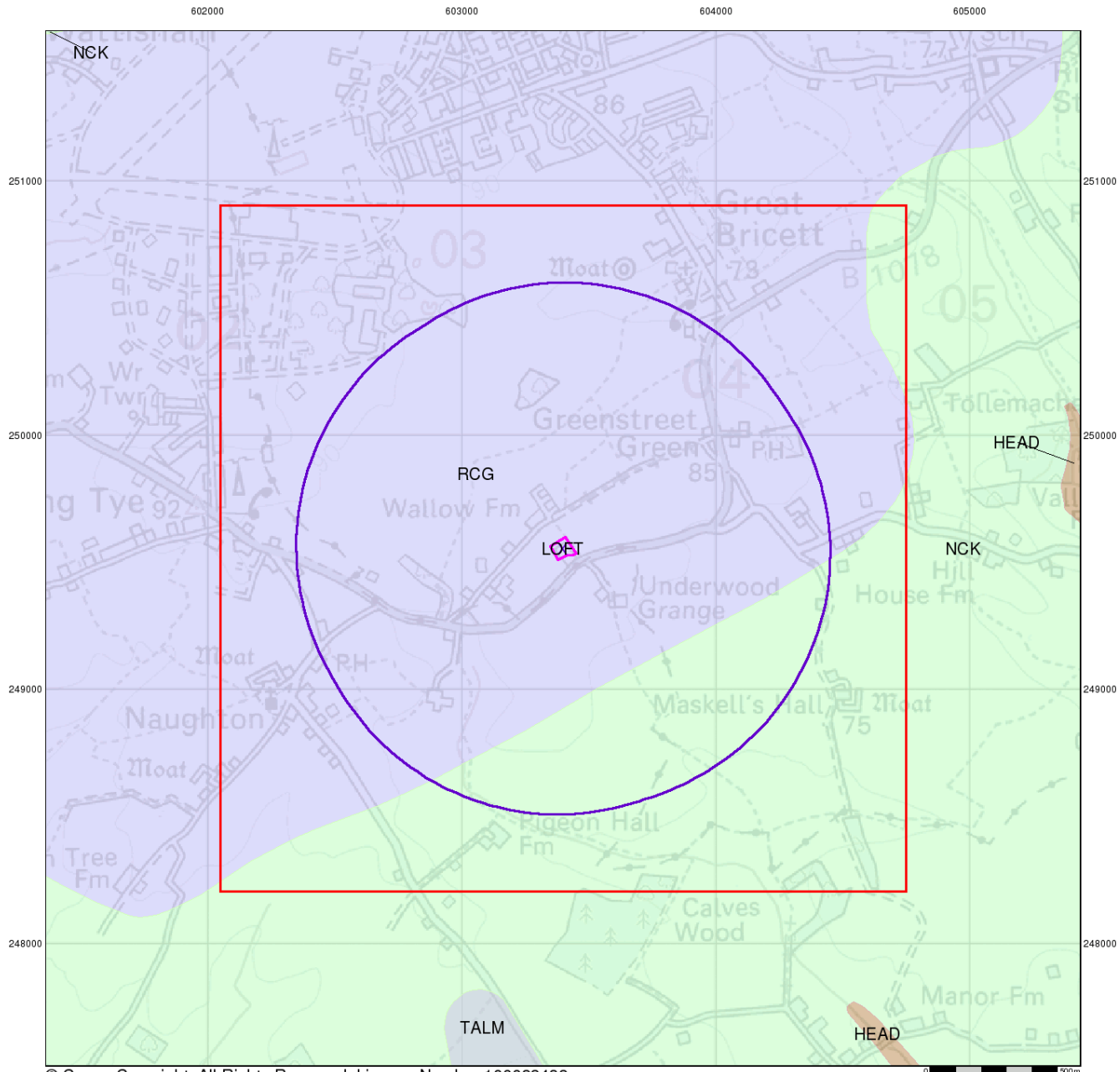
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 Customer Reference: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

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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.

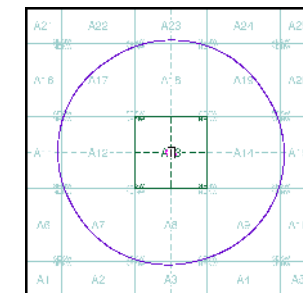
## Additional Information

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: 213490256\_1\_1  
 Customer Reference: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
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## Index Map

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

### Slice

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

### Segment

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

### Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

## Prepared For

Mr John Pooley  
Kaput Ltd  
Hadleigh Road  
Holton St Mary  
Colchester  
CO7 6NN

## Client Details

Mrs A Davies, Geosphere Environmental Ltd, Brightwell  
Barns, Ipswich Road, Brightwell, Suffolk, IP10 0BJ

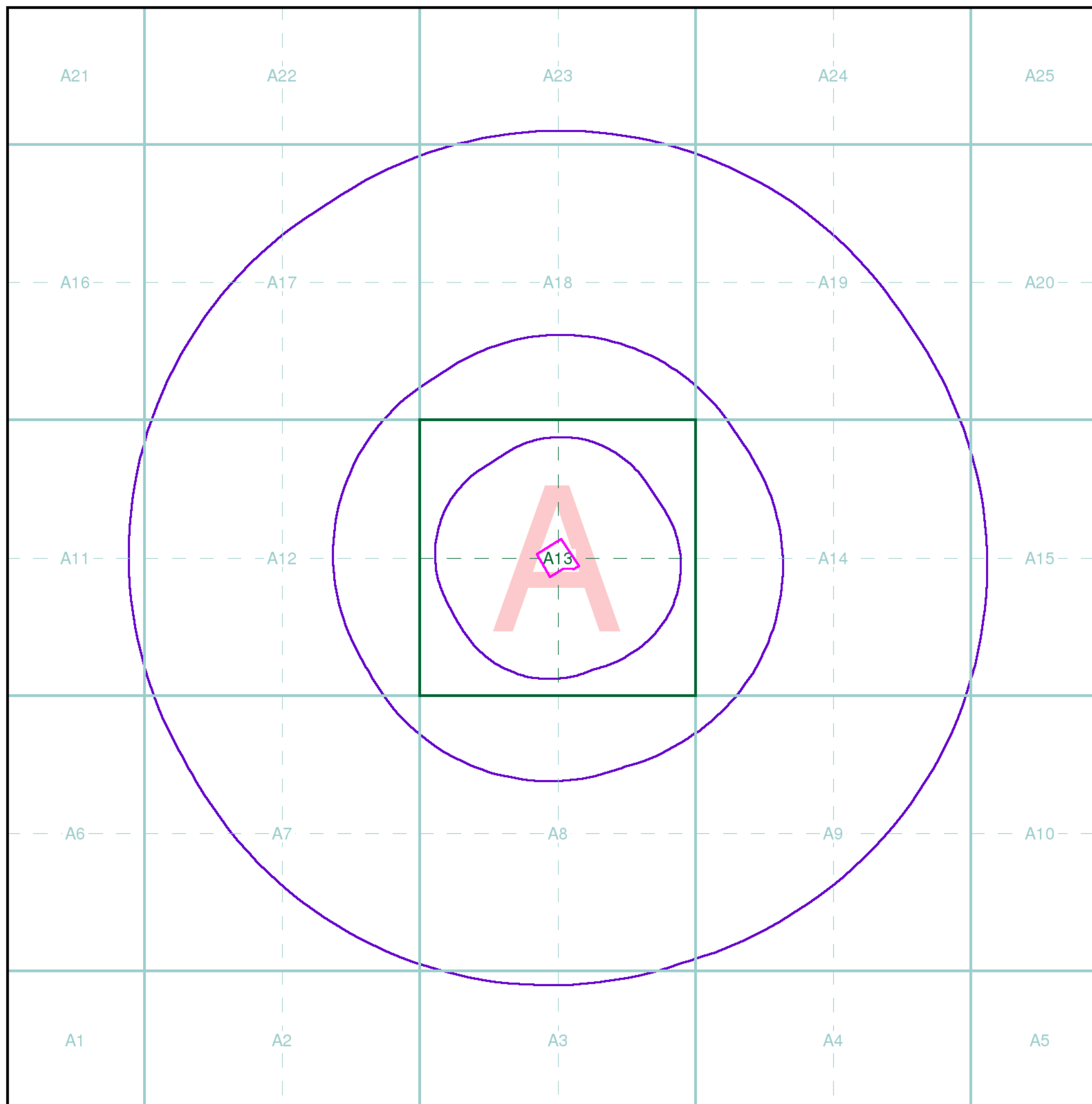
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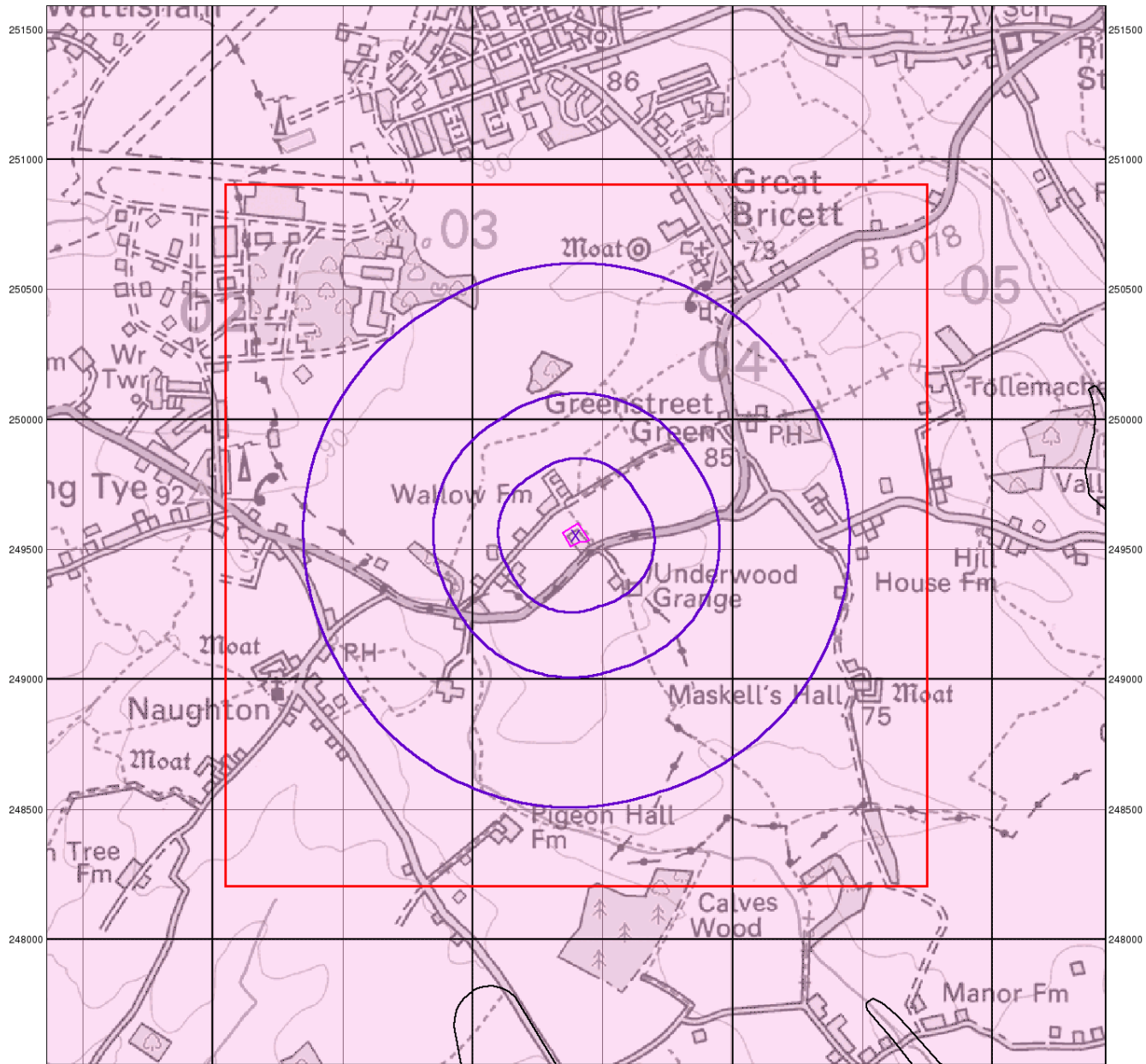
## Site Details

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0 1 km

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## Groundwater Vulnerability

### General

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

### Agency and Hydrological

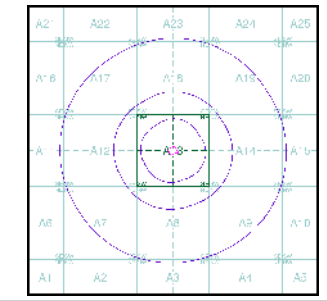
#### Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

#### 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

### Site Sensitivity Context Map - Slice A



### Order Details

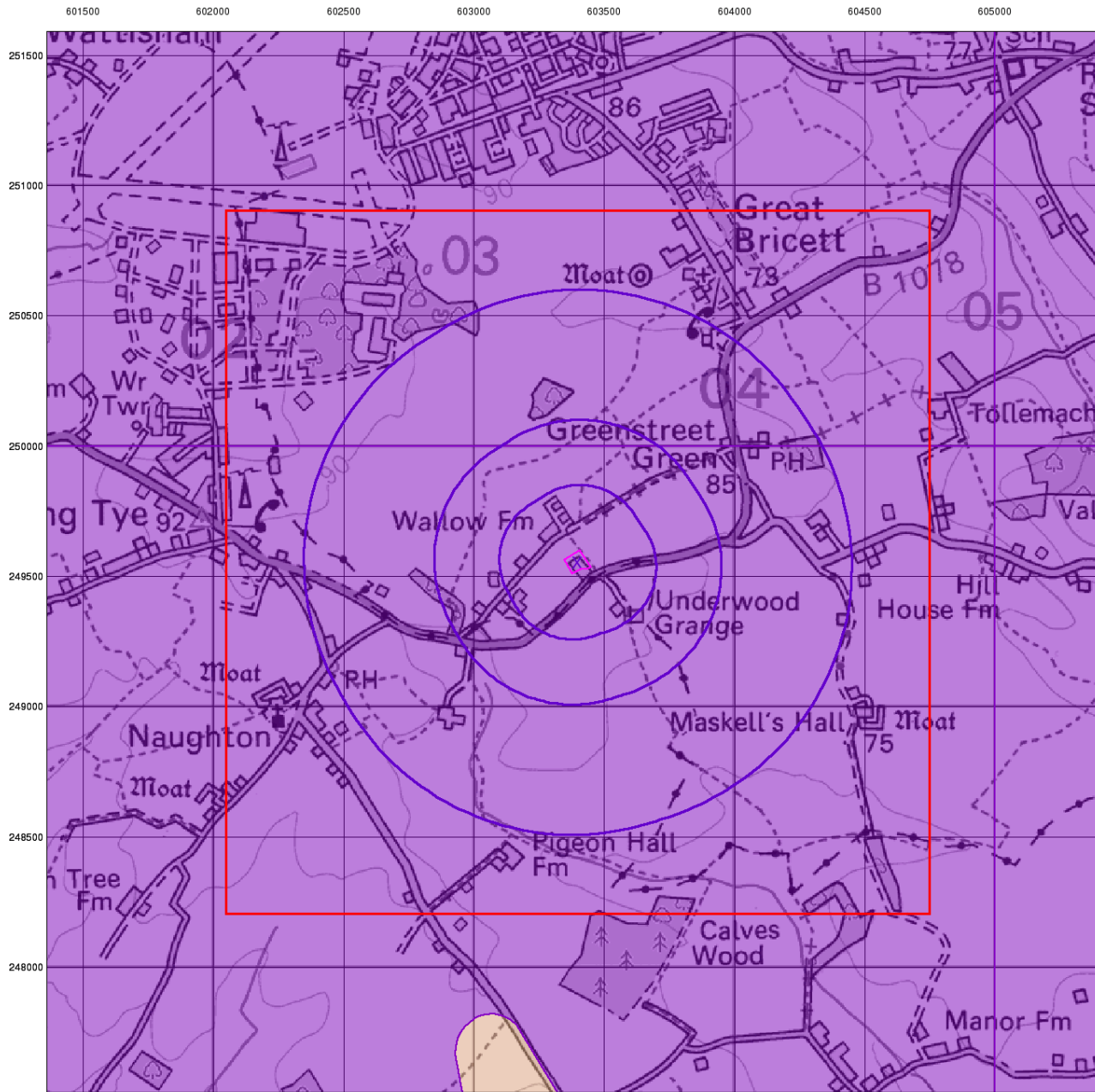
Order Number: 213490256\_1\_1  
 Customer Ref: 4134.DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

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0 1 km

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## Bedrock Aquifer Designation

### General

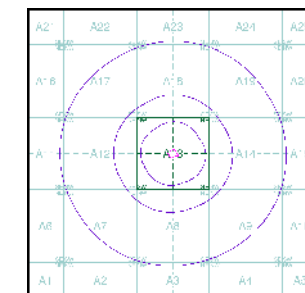
- ◆ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- B Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

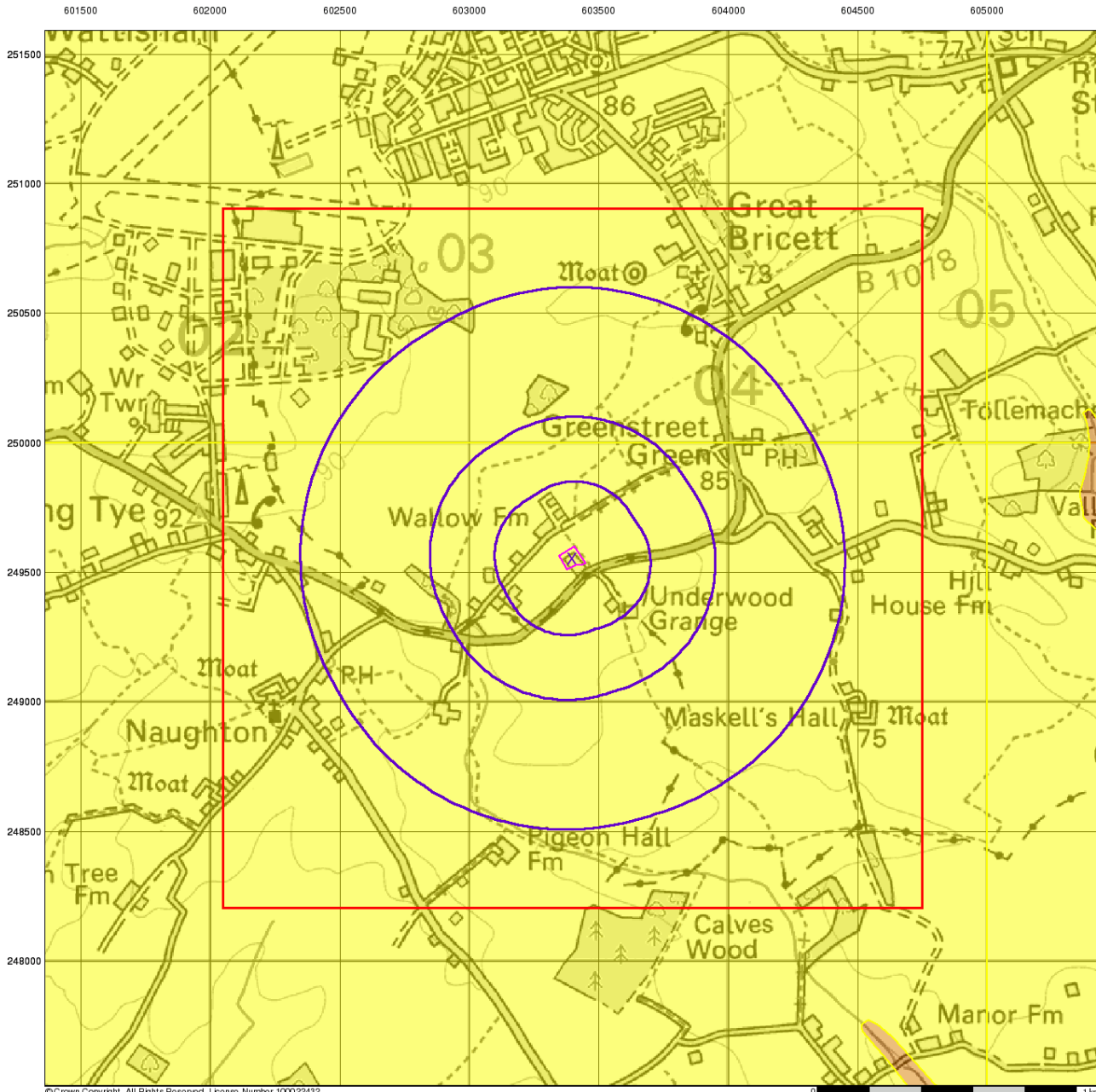
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 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
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0 1 km

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## Superficial Aquifer Designation

### General

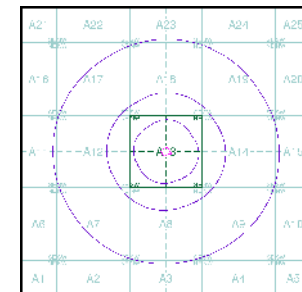
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

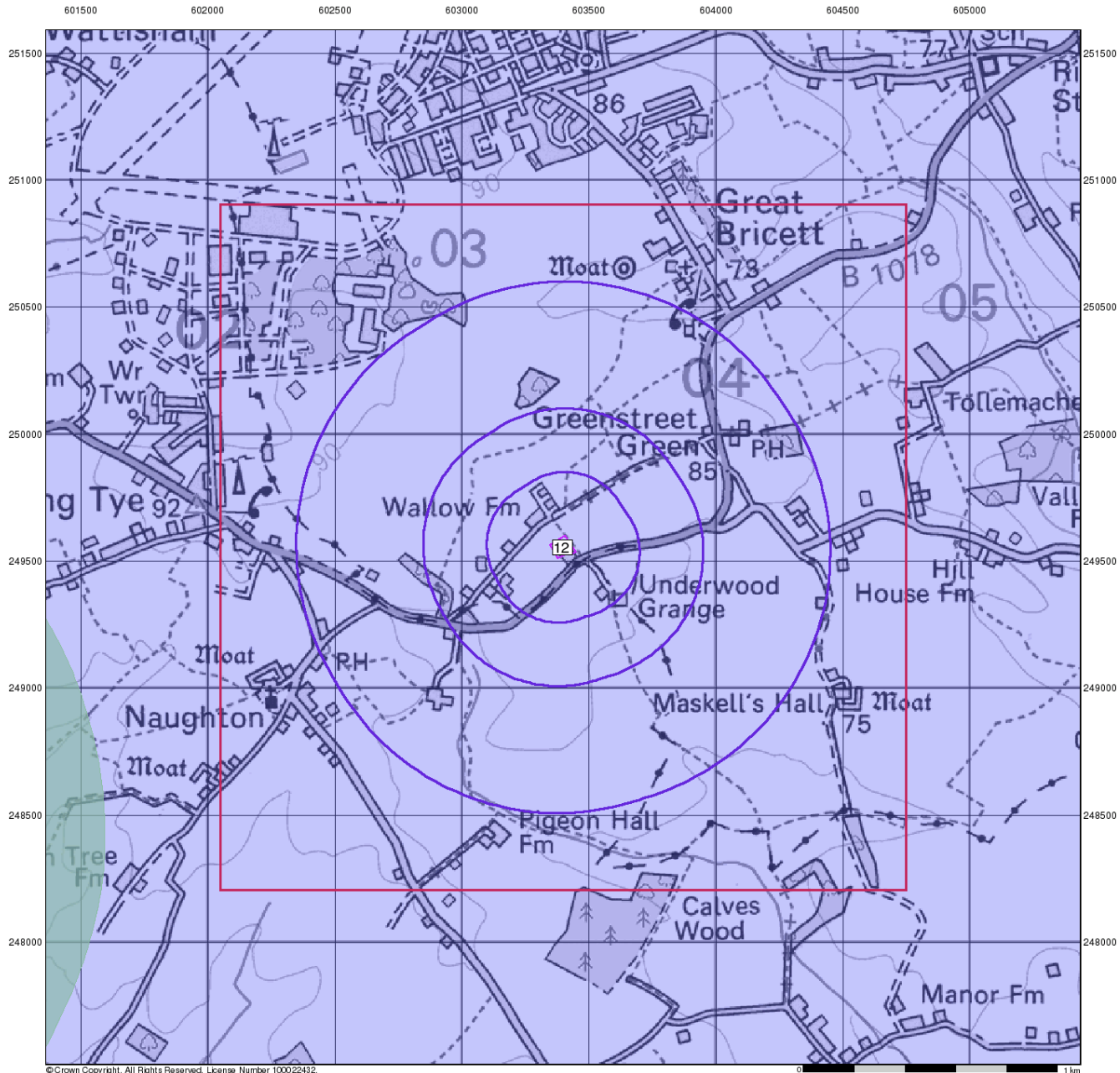
Order Number: 213490256\_1\_1  
 Customer Ref: 4134.DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

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## Source Protection Zones

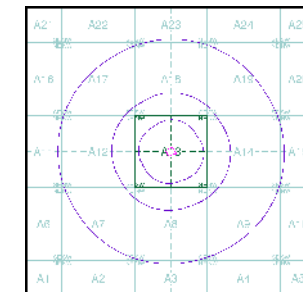
### General

- 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

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

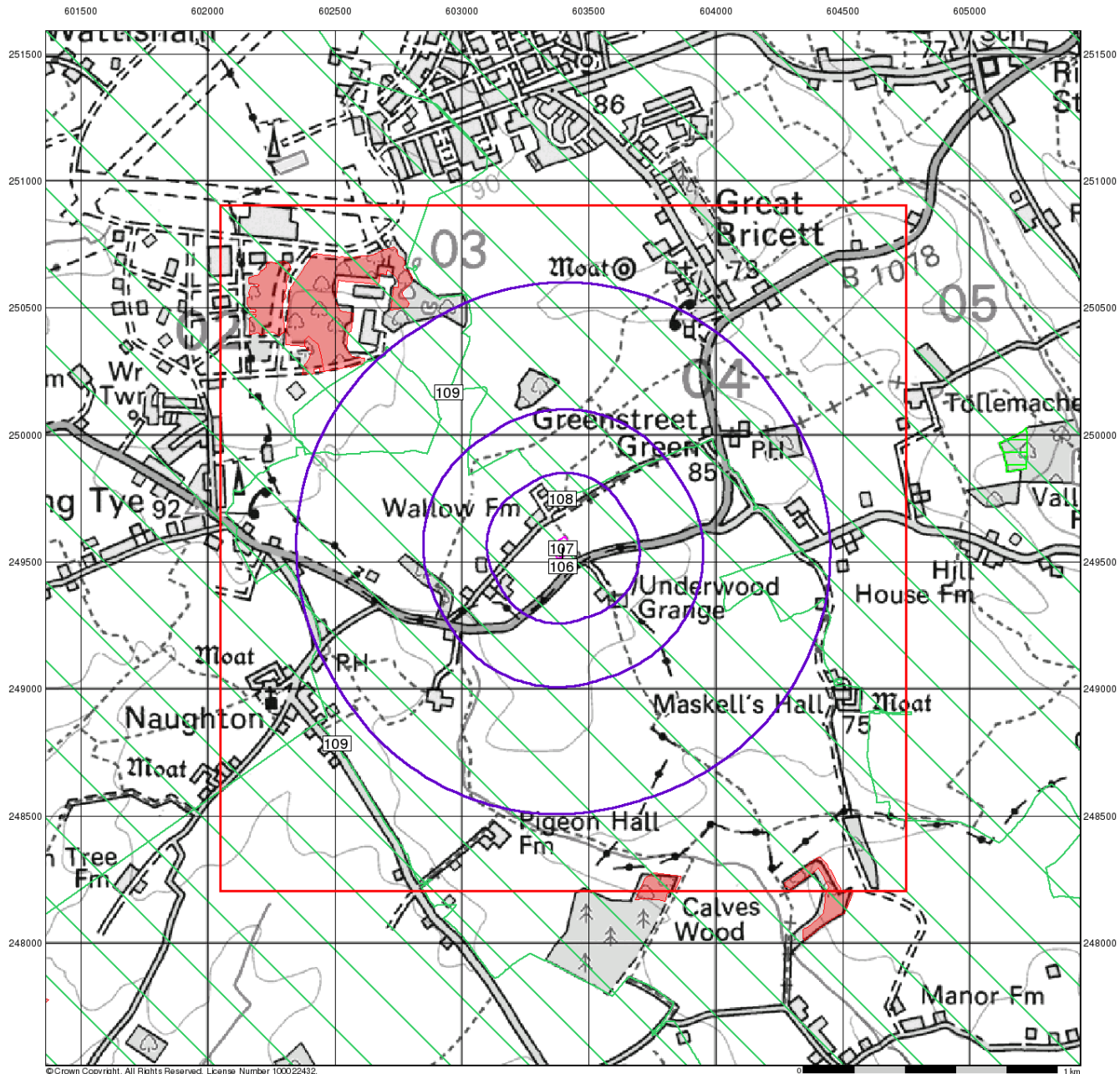
### Site Details

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## Sensitive Land Uses

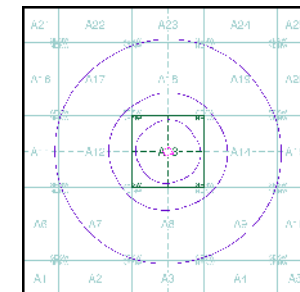
### General

-  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

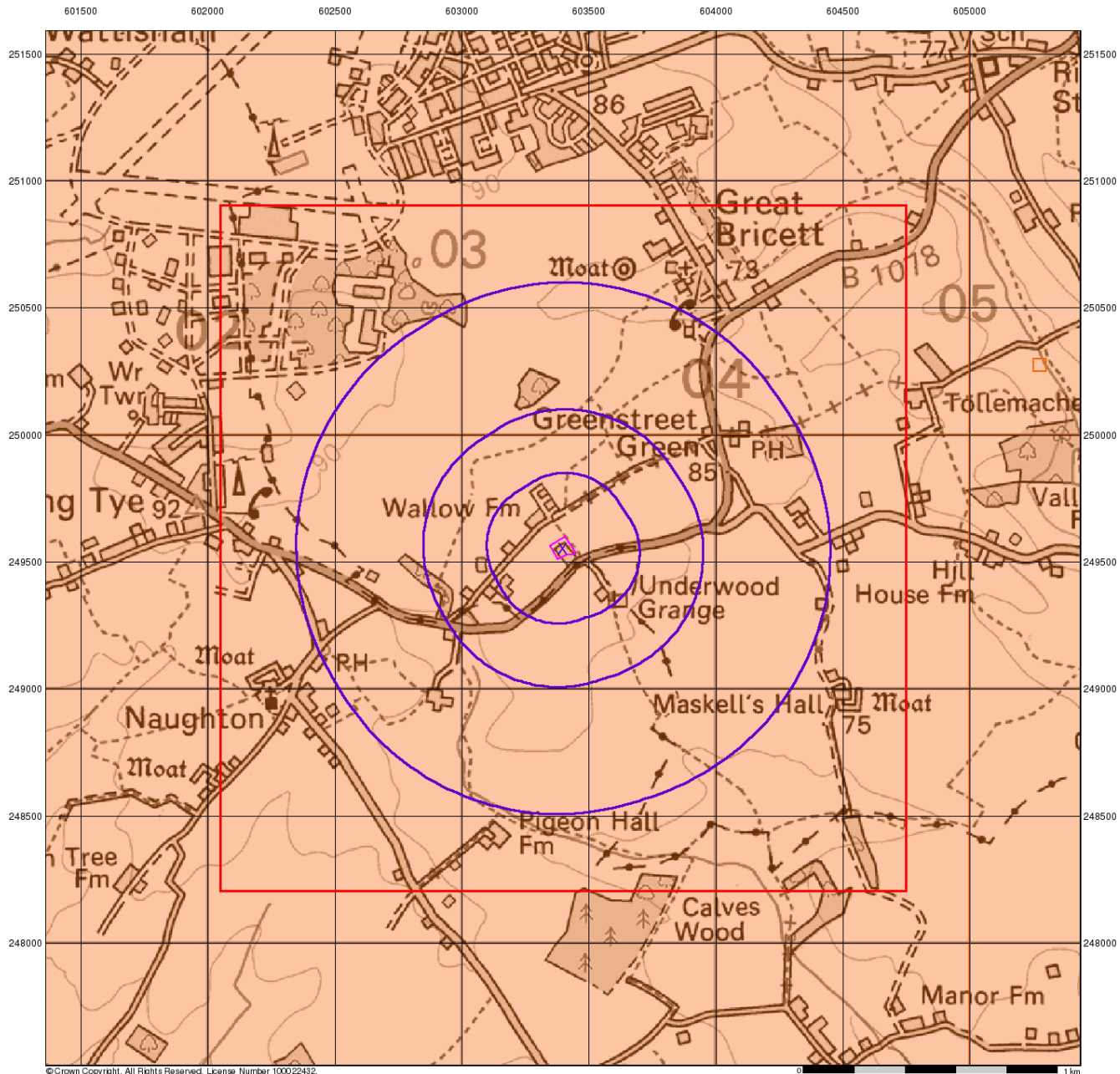
Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

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0 1 km

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## BGS Flood GFS Data

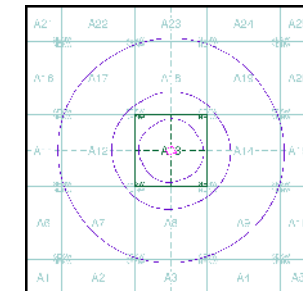
### General

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

### Agency and Hydrological (Flood)

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

## Site Sensitivity Context Map - Slice A



## Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

## Site Details

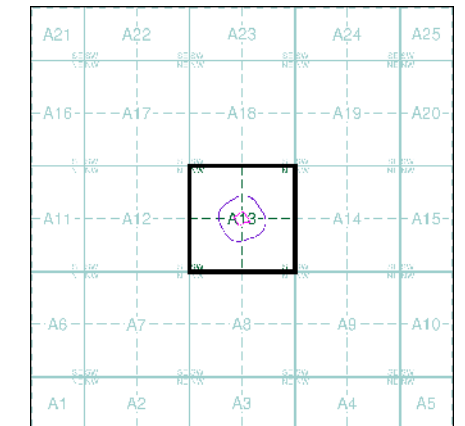
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- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
  - Pylon
  - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)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

## Site Sensitivity Map - Segment A13

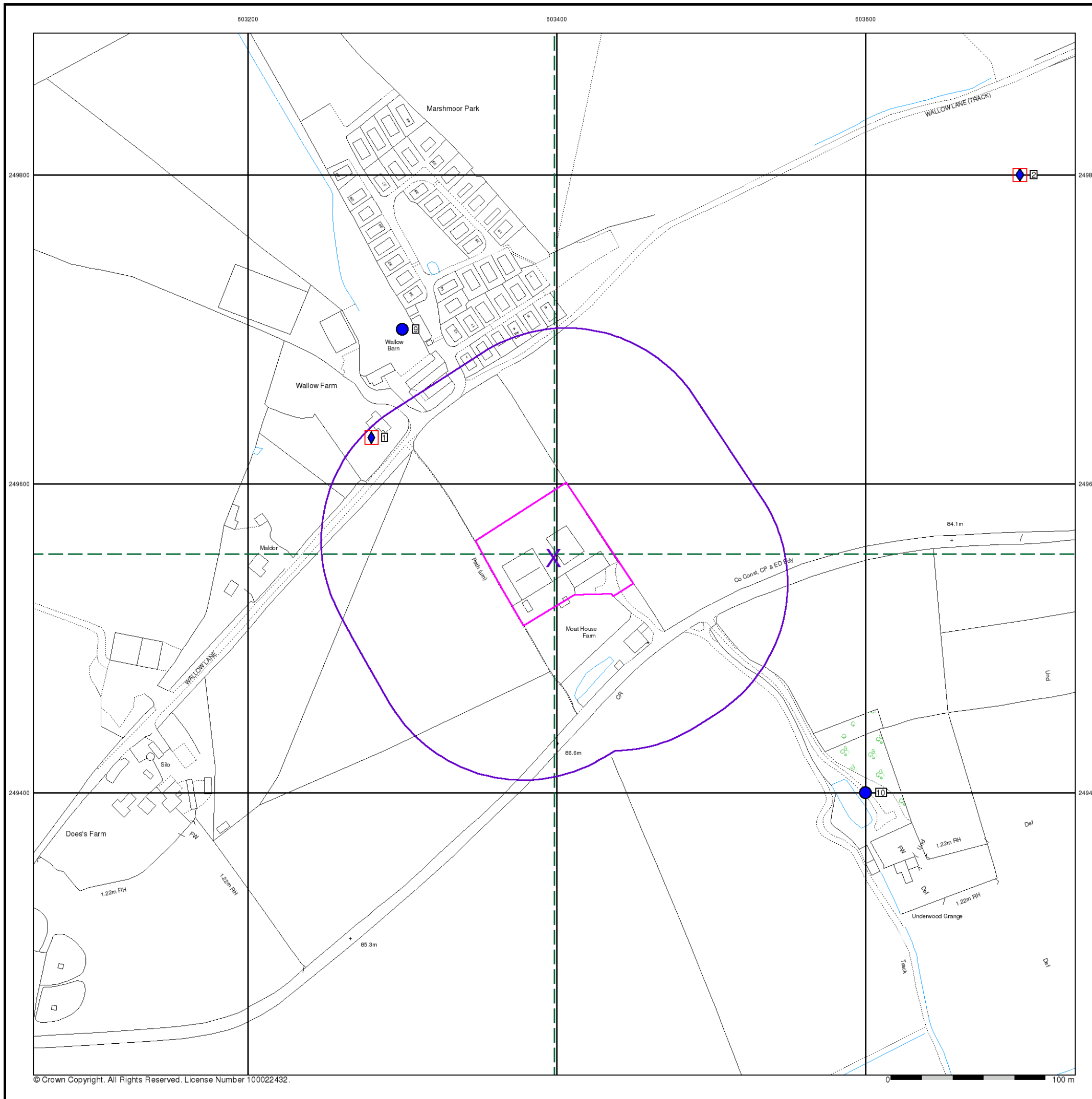


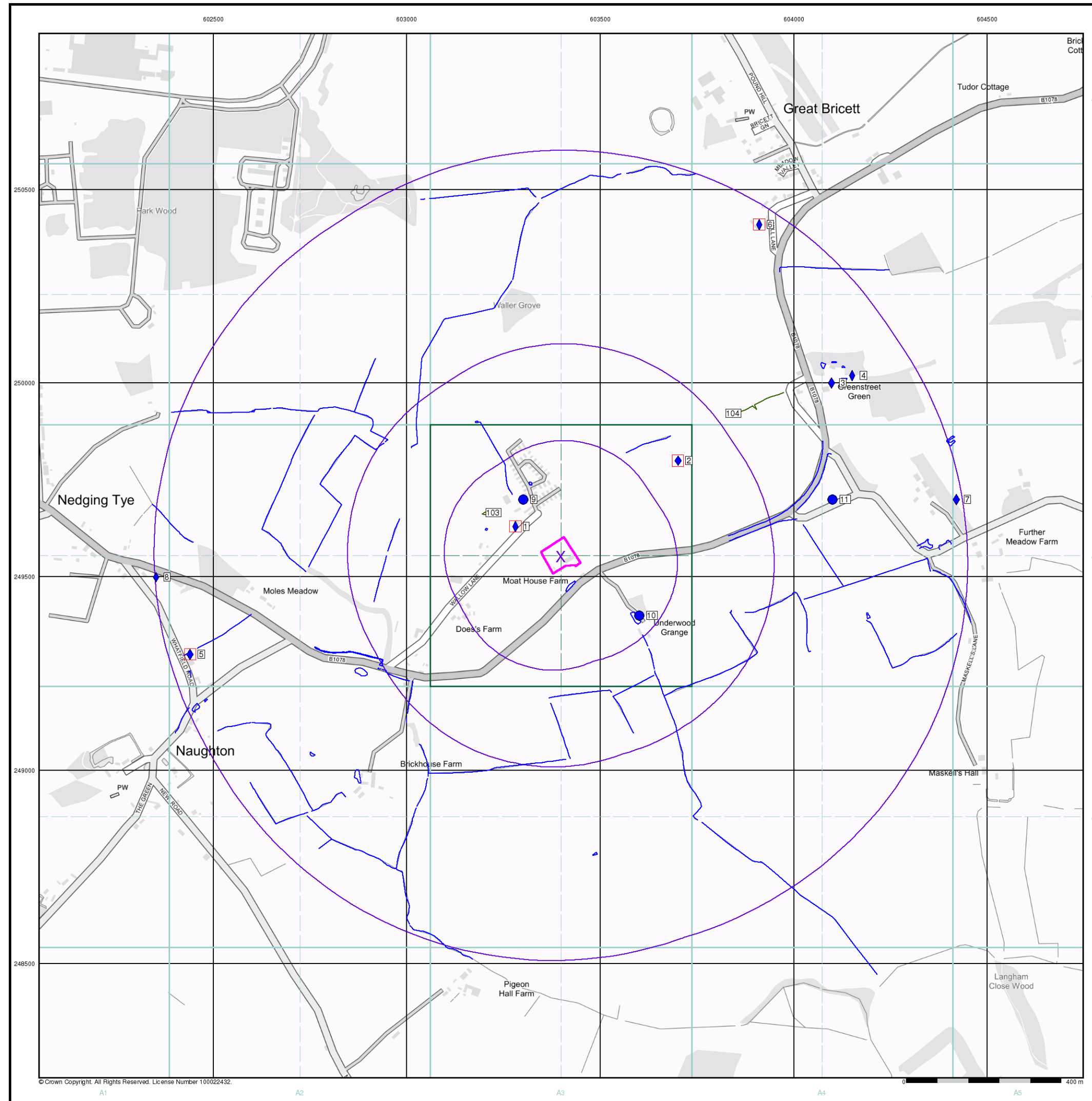
## Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Plot Buffer (m): 100

## Site Details

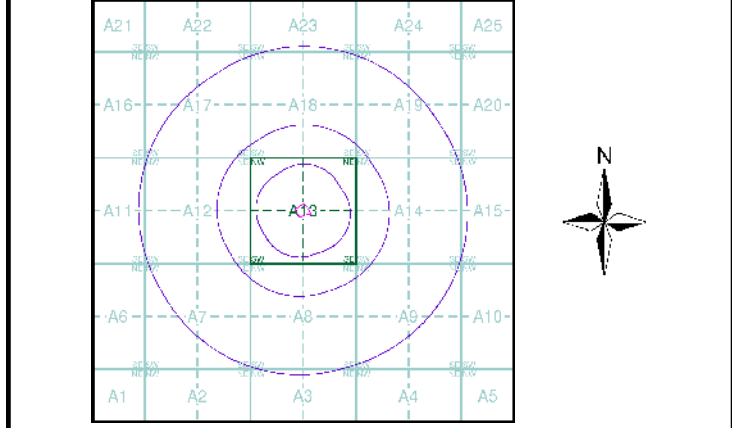
Moat House Farm, Great Bricett, IPSWICH, IP7 7DB





- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
  - BGS Recorded Mineral Site
- Waste**
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  - Licensed Waste Management Facility (Landfill Boundary)
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  - 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**

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000










**Site Details**  
 Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

## Industrial Land Use Map

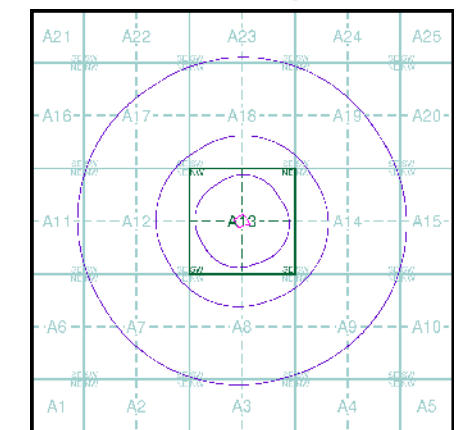
### General

-  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

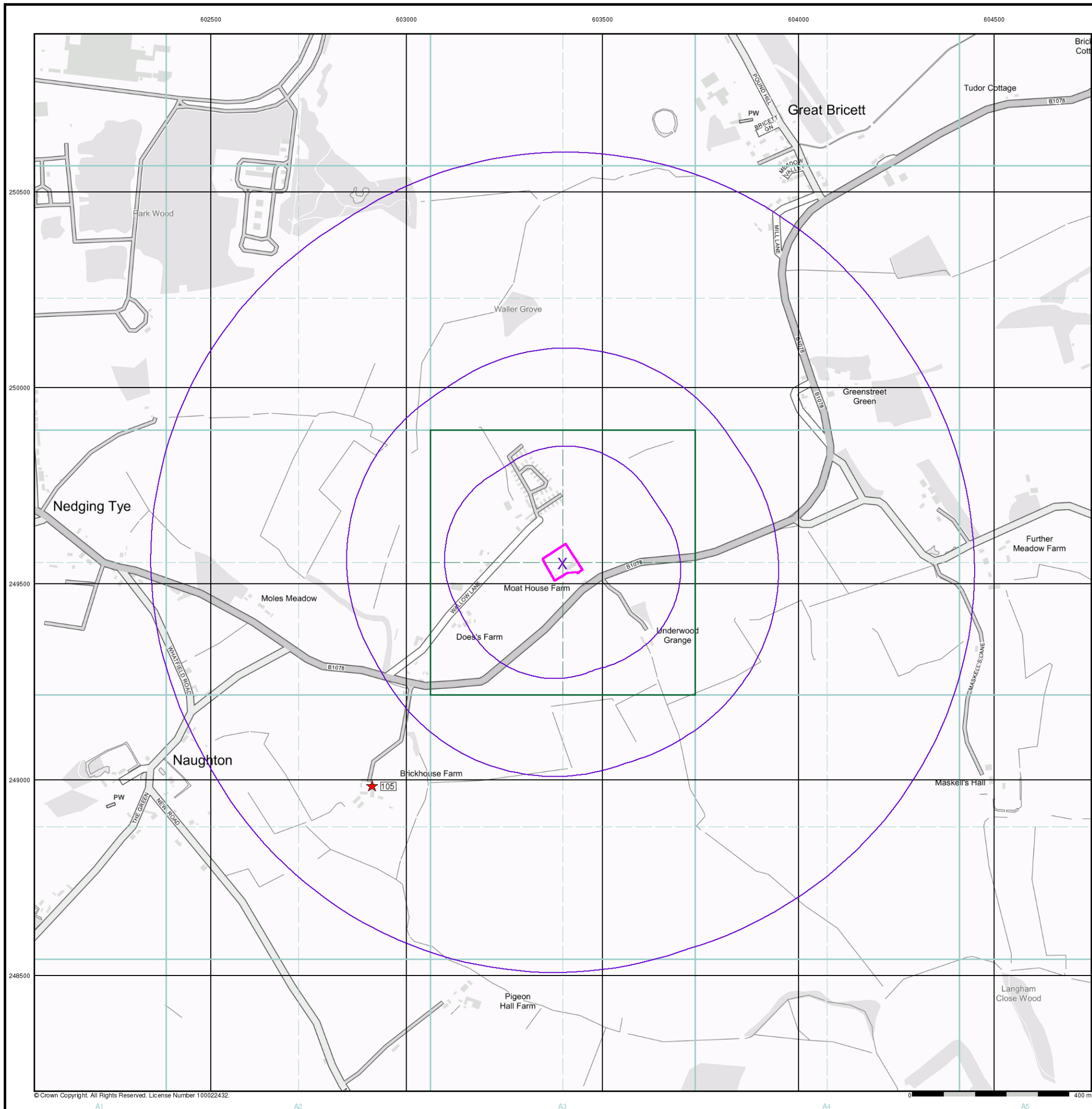


### Order Details




Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details






Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



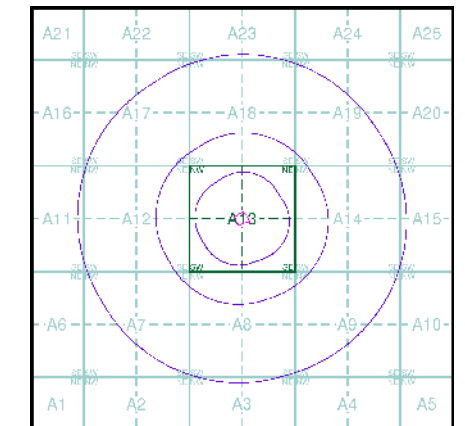
### General

-  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

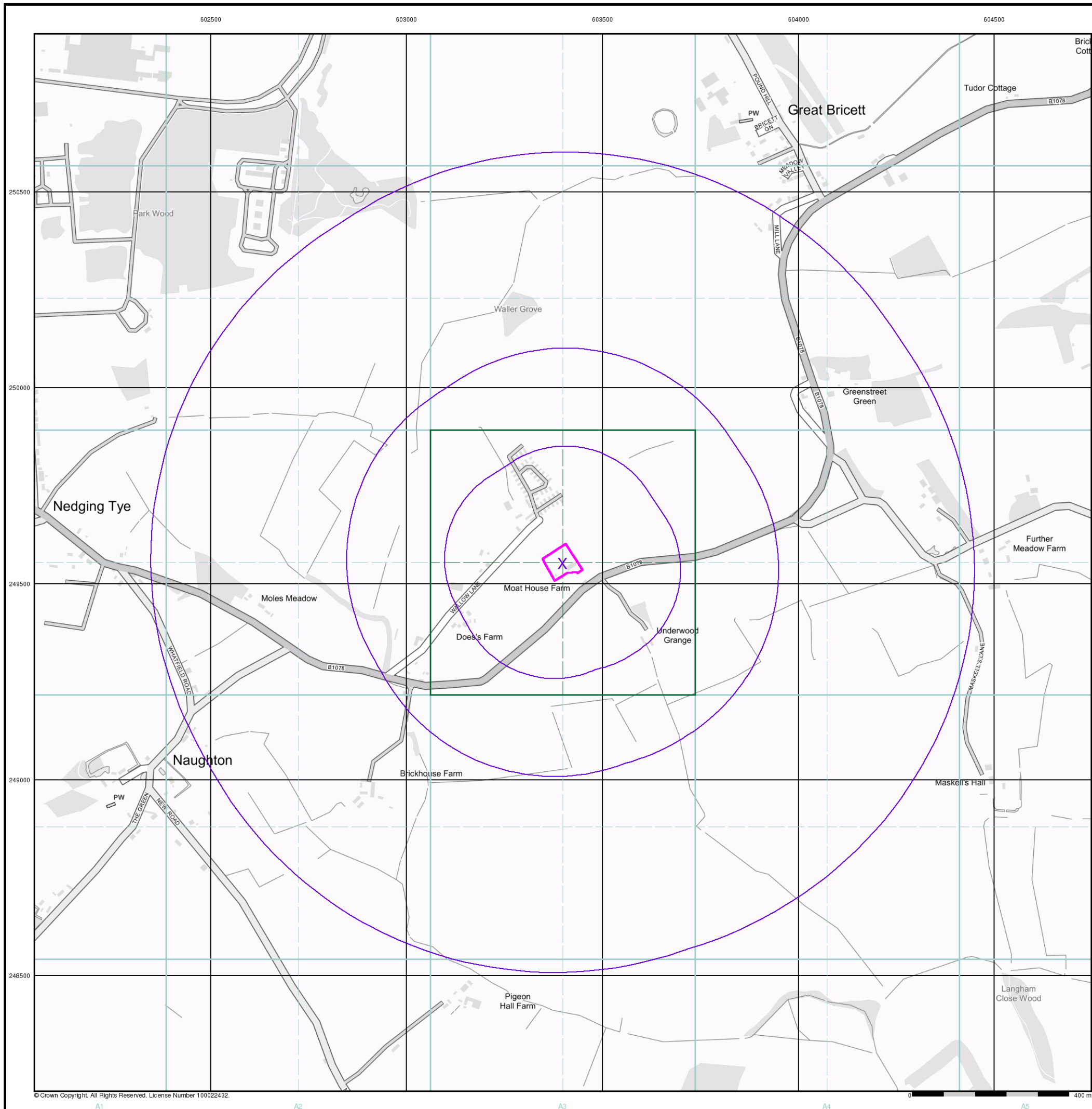


### Order Details






Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details






Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



### General

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

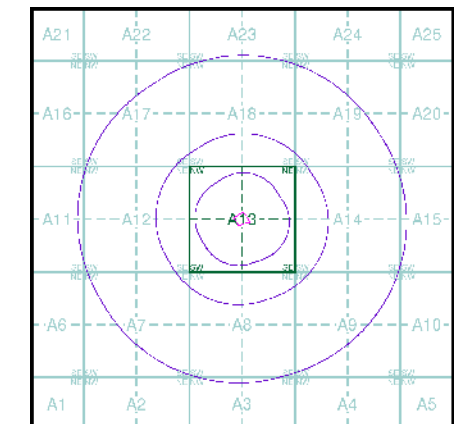
### Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

### Borehole Map - Slice A

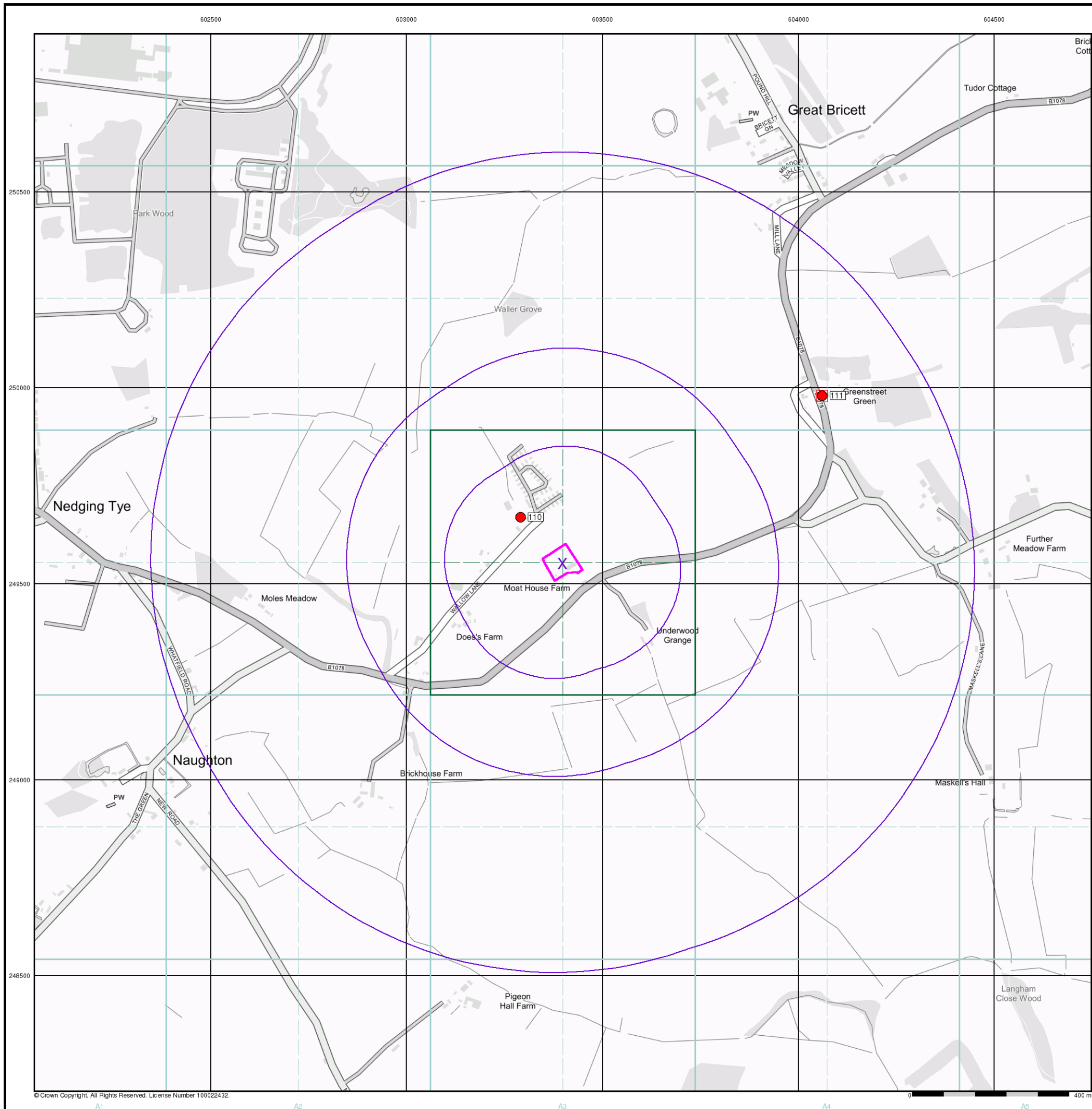


### Order Details

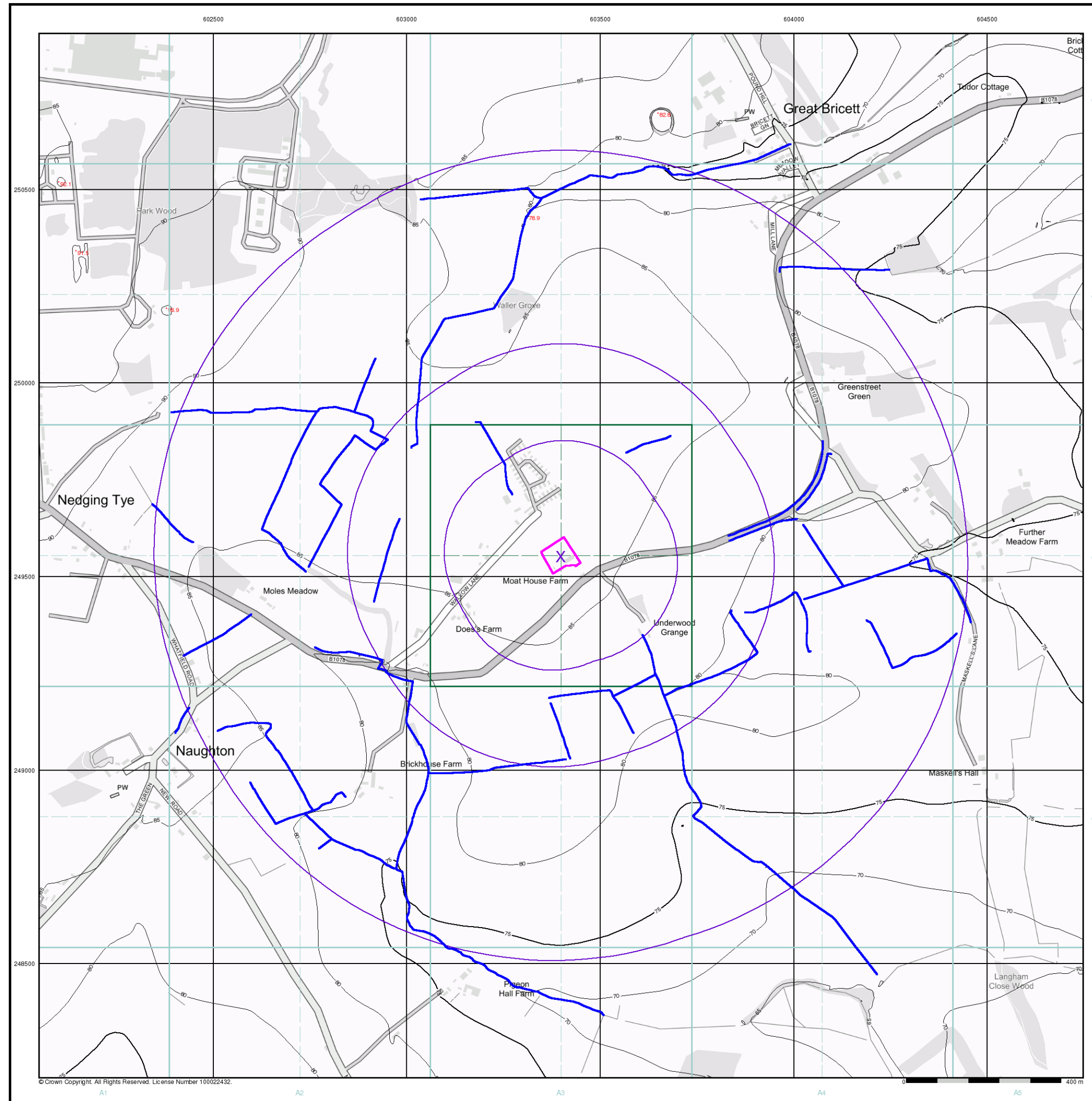
Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

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### General

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

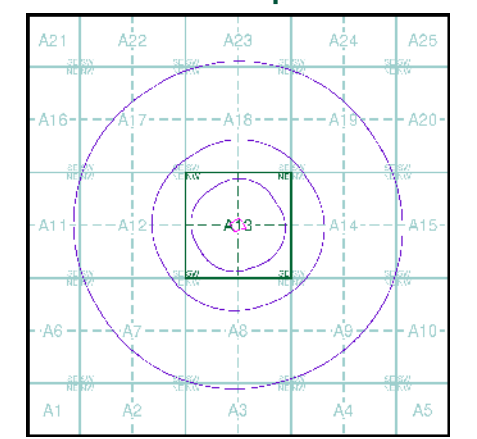
### OS Water Network Data

- |              |                         |
|--------------|-------------------------|
| 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 MLW Mean Low Water
- Master Contour 100 MHW Mean High Water
- Spot Height 167.3

### OS Water Network Map - Slice A



### Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 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

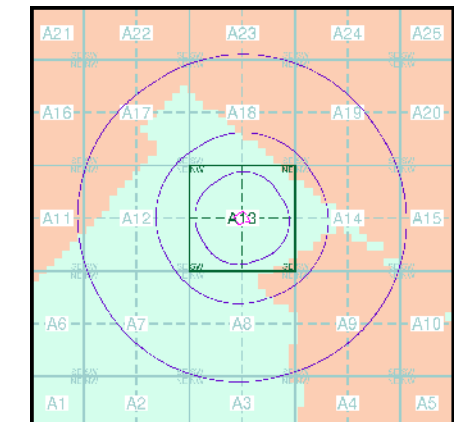
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

### 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

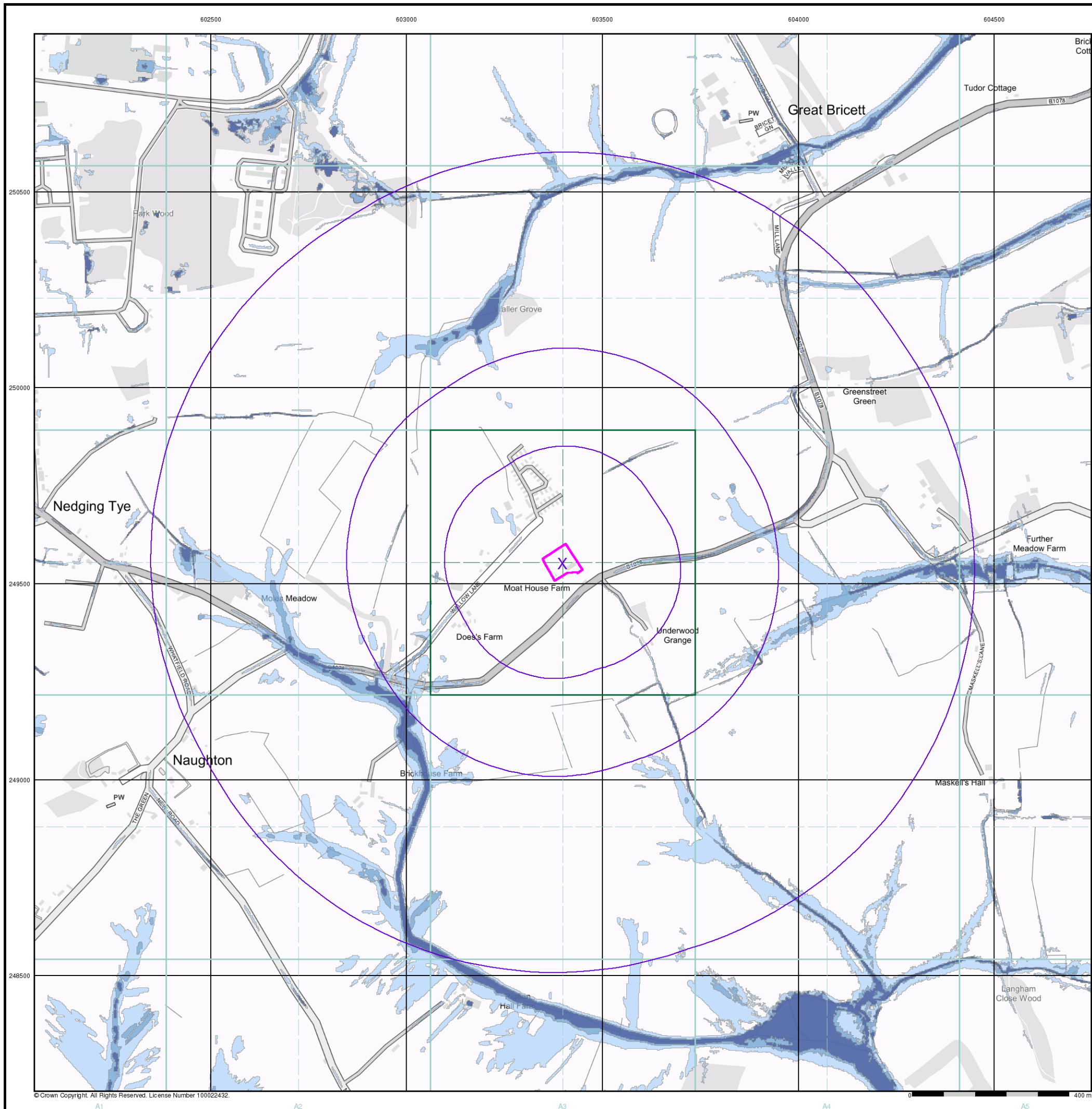


### Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
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 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



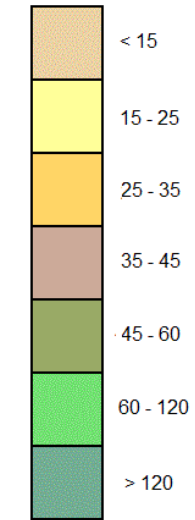
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### General

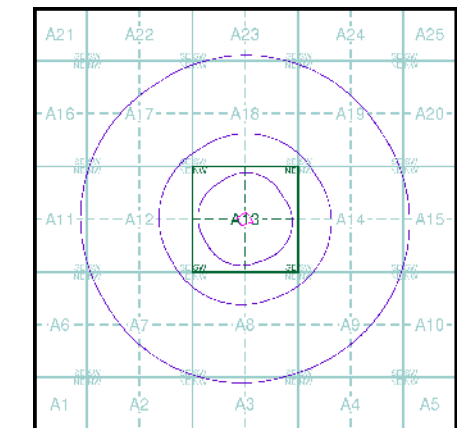
□ Specified Site    
 ○ Specified Buffer(s)    
 ✕ Bearing Reference Point

### Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



### Estimated Soil Chemistry Arsenic - Slice A

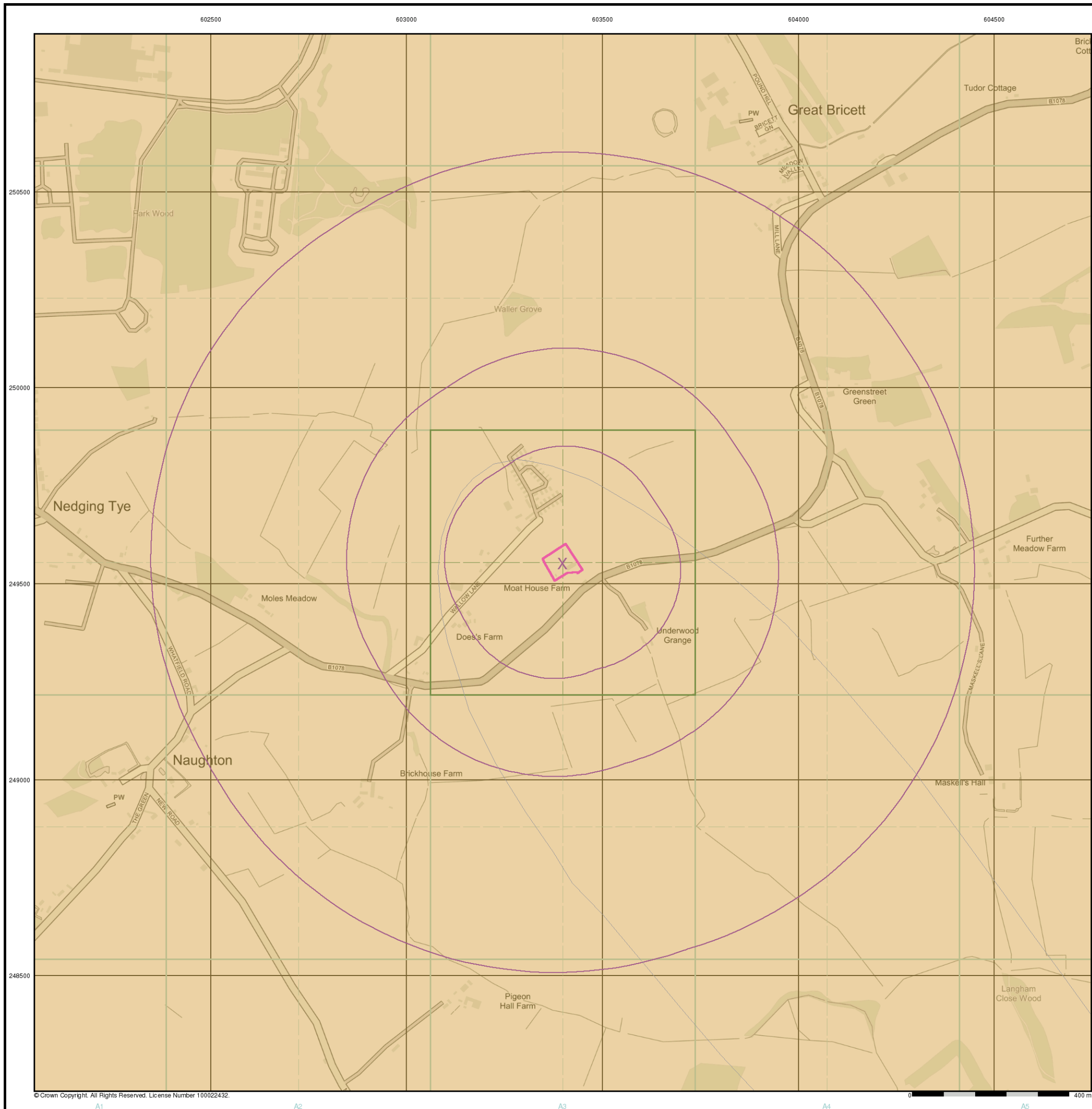


### Order Details

Order Details: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



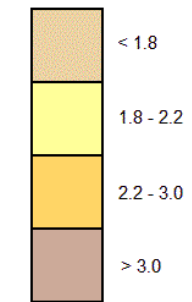
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## General

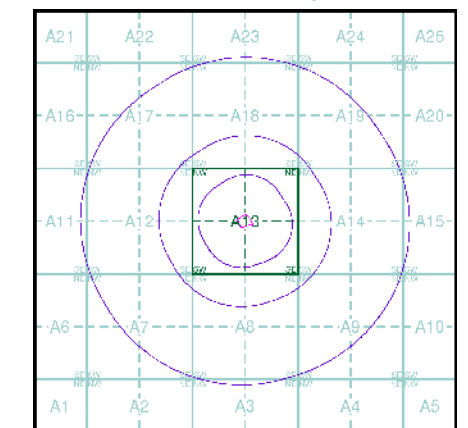
○ Specified Site    
 ○ Specified Buffer(s)    
 ✕ Bearing Reference Point

## Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



## Estimated Soil Chemistry Cadmium - Slice A

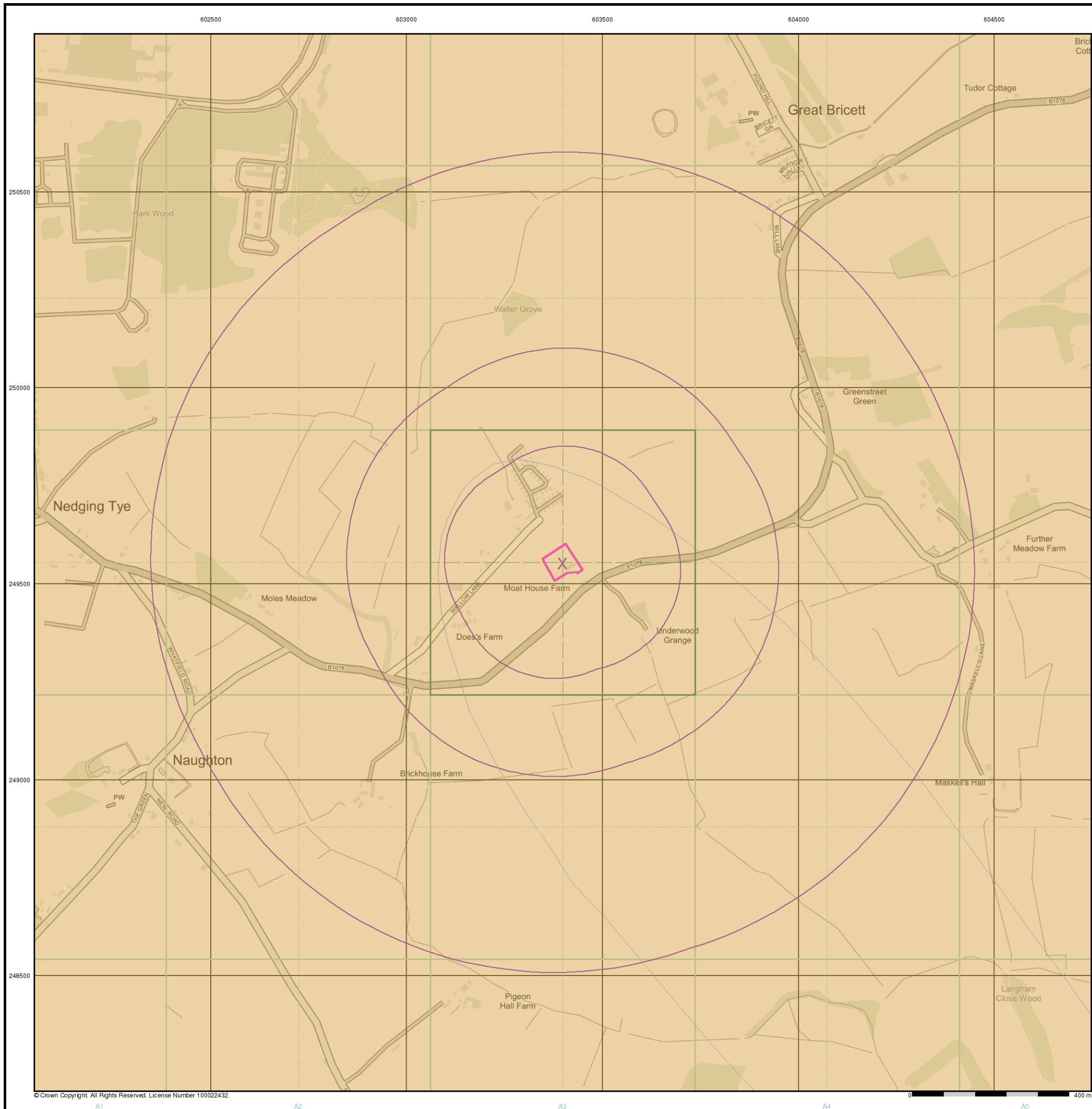


## Order Details

Order Details: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

## Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



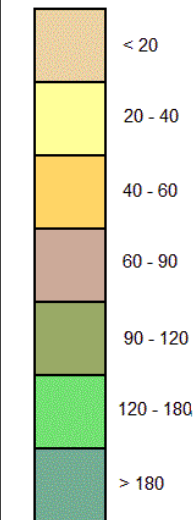
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### General

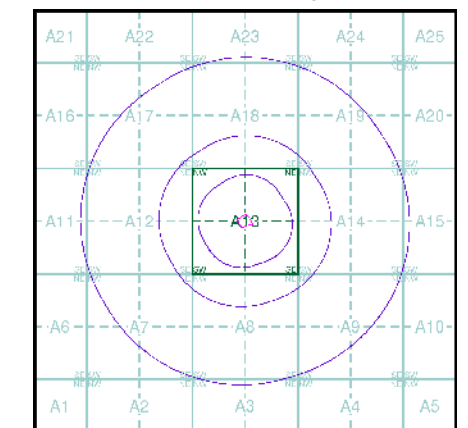
□ Specified Site    
 ○ Specified Buffer(s)    
 ✕ Bearing Reference Point

### Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



### Estimated Soil Chemistry Chromium - Slice A

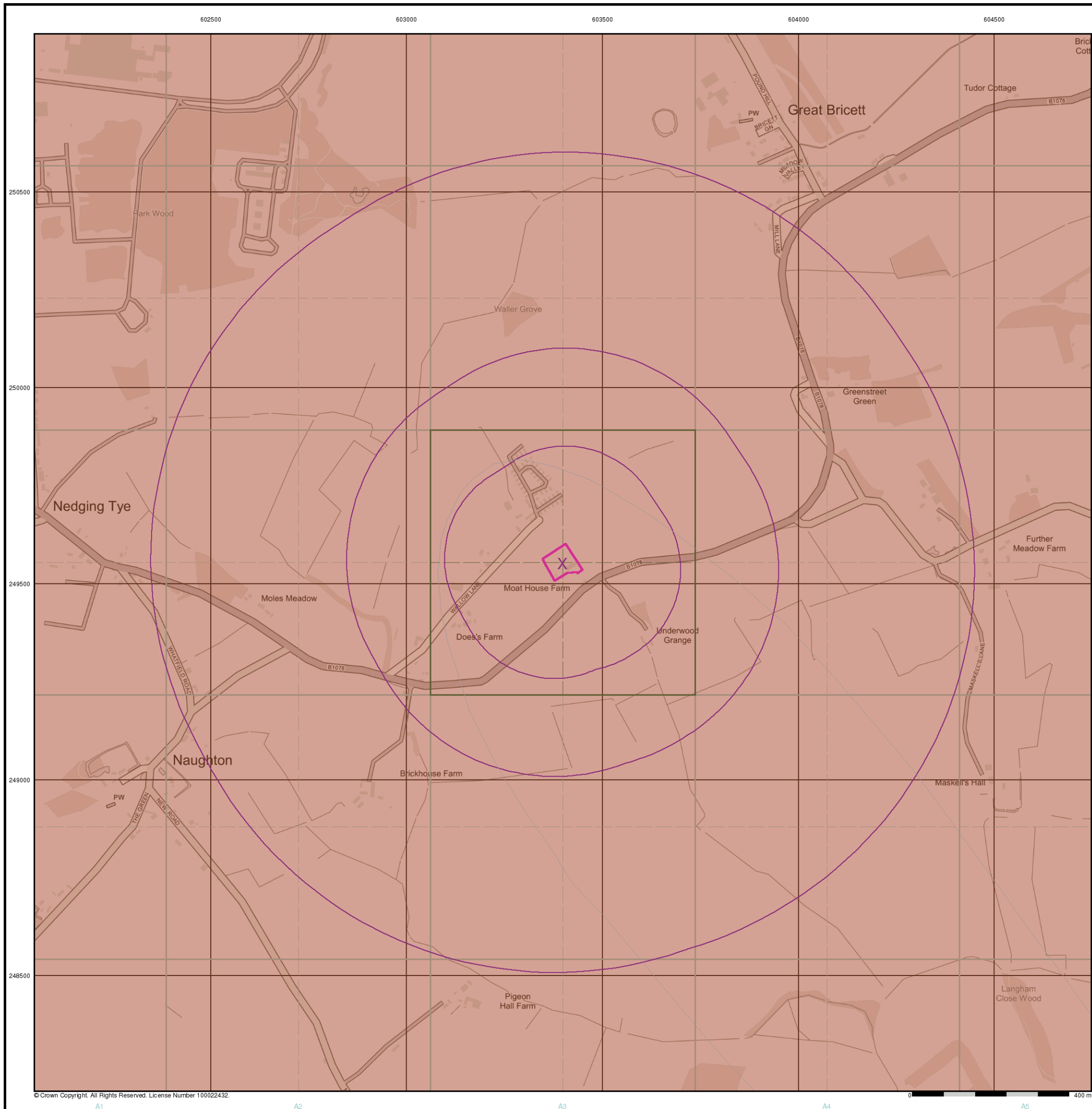


### Order Details

Order Details: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

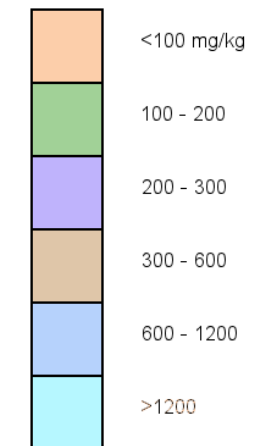


## General

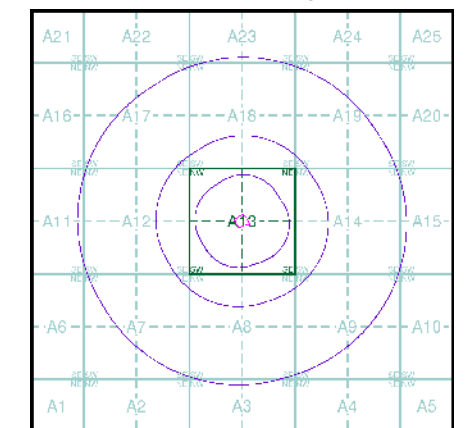
□ Specified Site    
 ○ Specified Buffer(s)    
 ✕ Bearing Reference Point

## Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



## Estimated Soil Chemistry Lead - Slice A

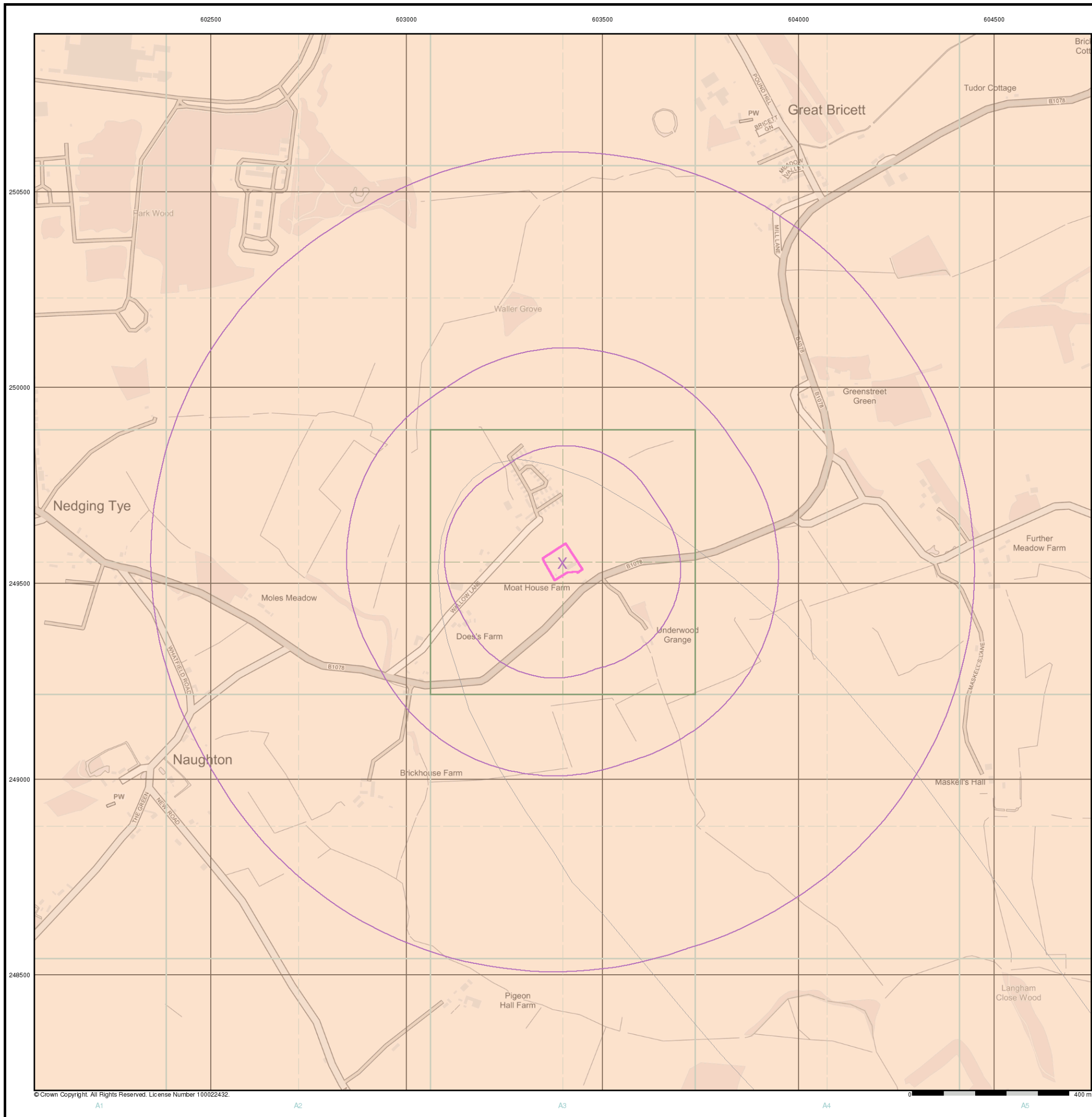


## Order Details

Order Details: 213490256\_1\_1  
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 National Grid Reference: 603400, 249550  
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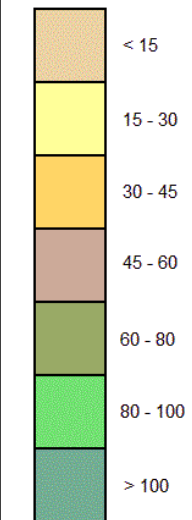


## General

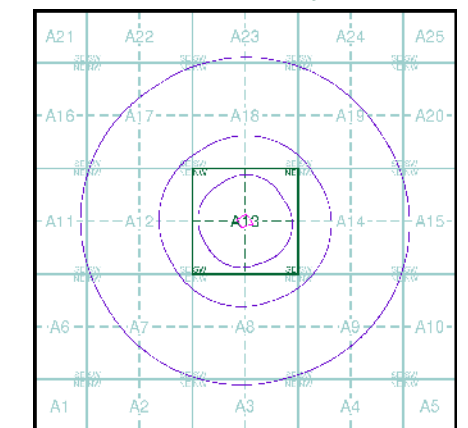
□ Specified Site    
 ○ Specified Buffer(s)    
 ✕ Bearing Reference Point

## Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



## Estimated Soil Chemistry Nickel - Slice A

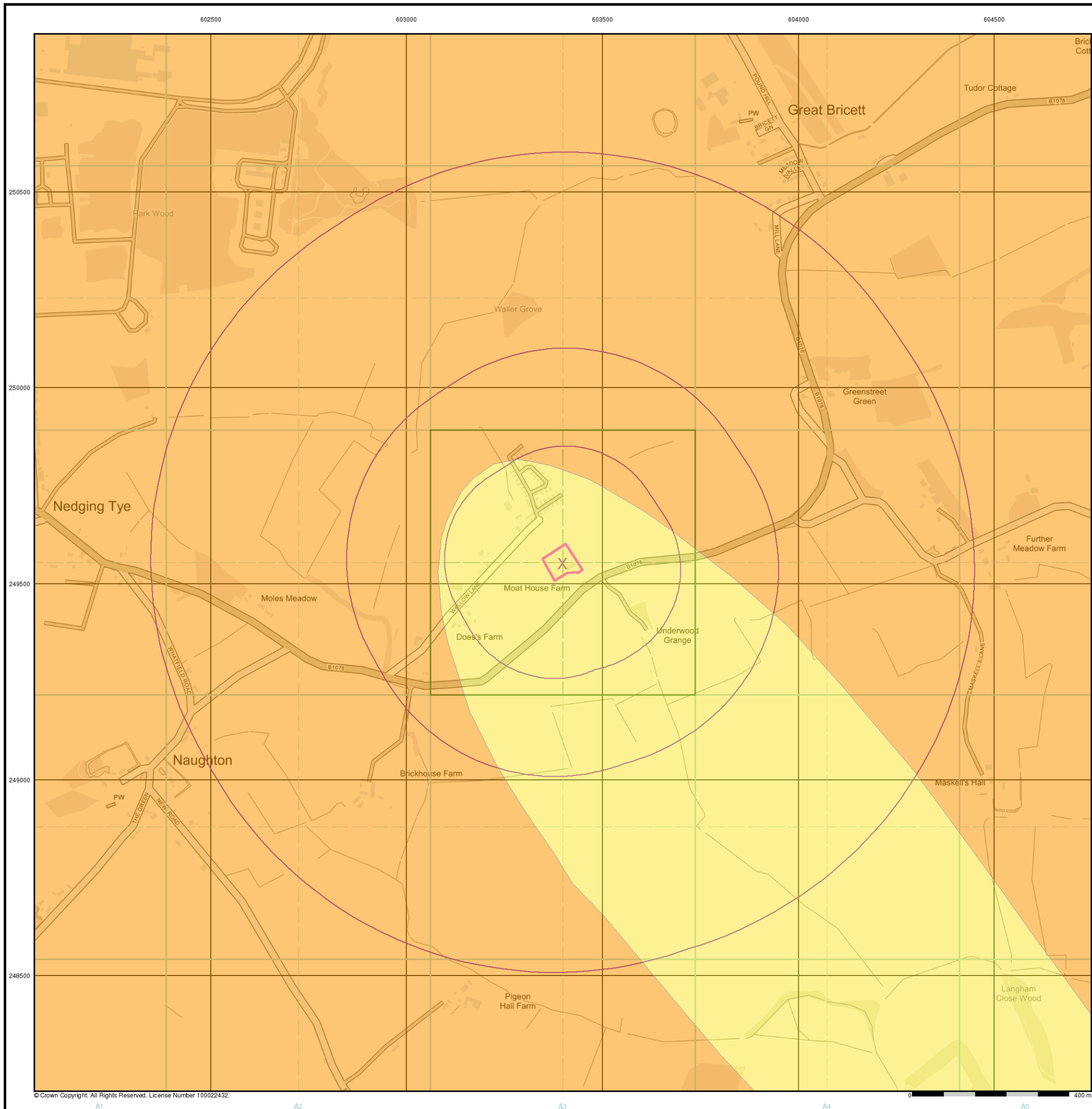


## Order Details

Order Details: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

## Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



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## Appendix 4 – Envirocheck Historical Maps

# Historical Mapping Legends

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

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

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

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

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

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

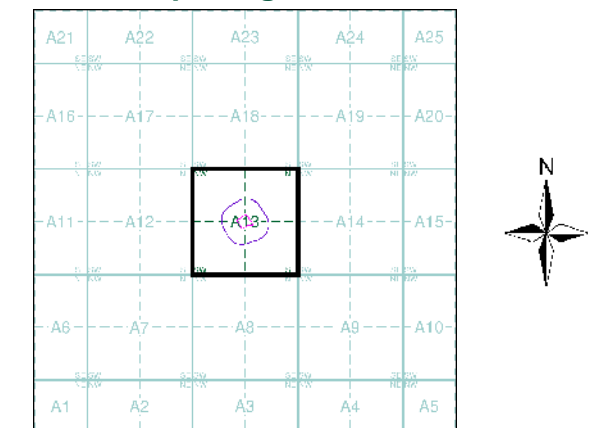
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## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:2,500	1884 - 1885	2
Suffolk	1:2,500	1904	3
Ordnance Survey Plan	1:2,500	1970	4
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6
Historical Aerial Photography	1:2,500	1999	7

## Historical Map - Segment A13



## Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 100

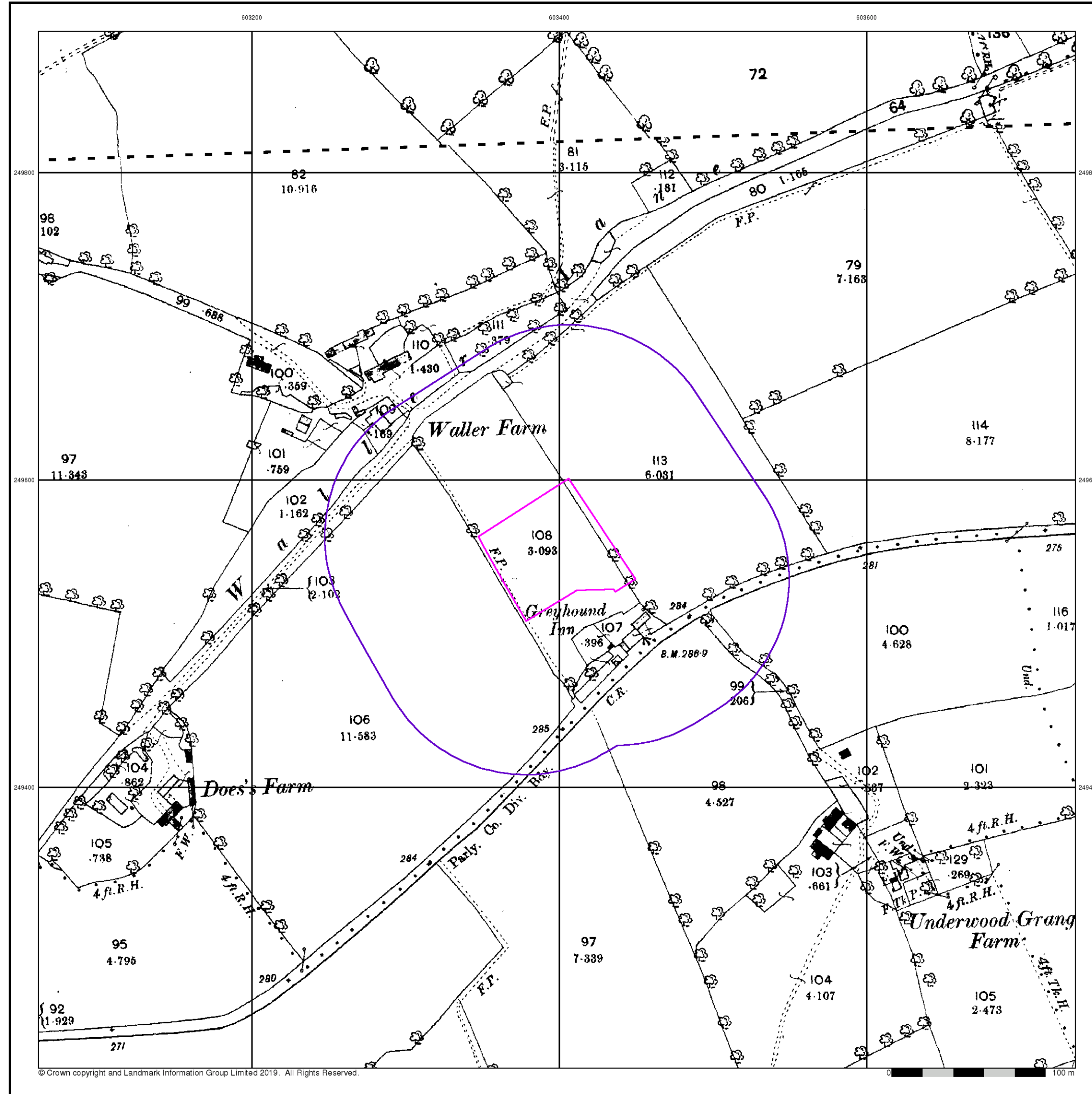
## Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

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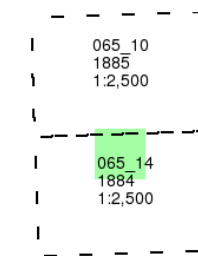
Suffolk

Published 1884 - 1885

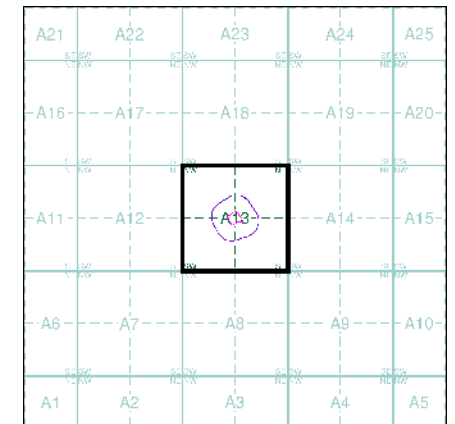
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

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



### Historical Map - Segment A13



### Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 100

### Site Details

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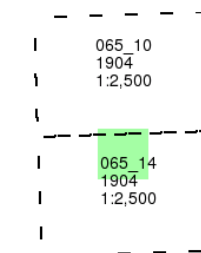
Suffolk

Published 1904

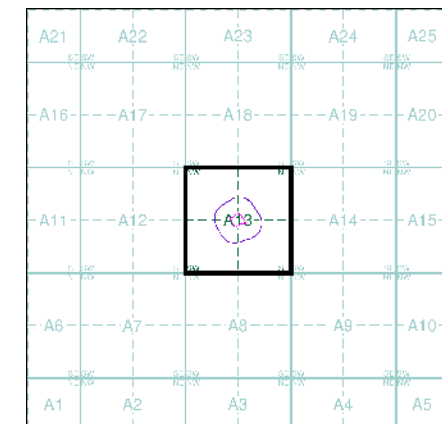
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

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



### Historical Map - Segment A13

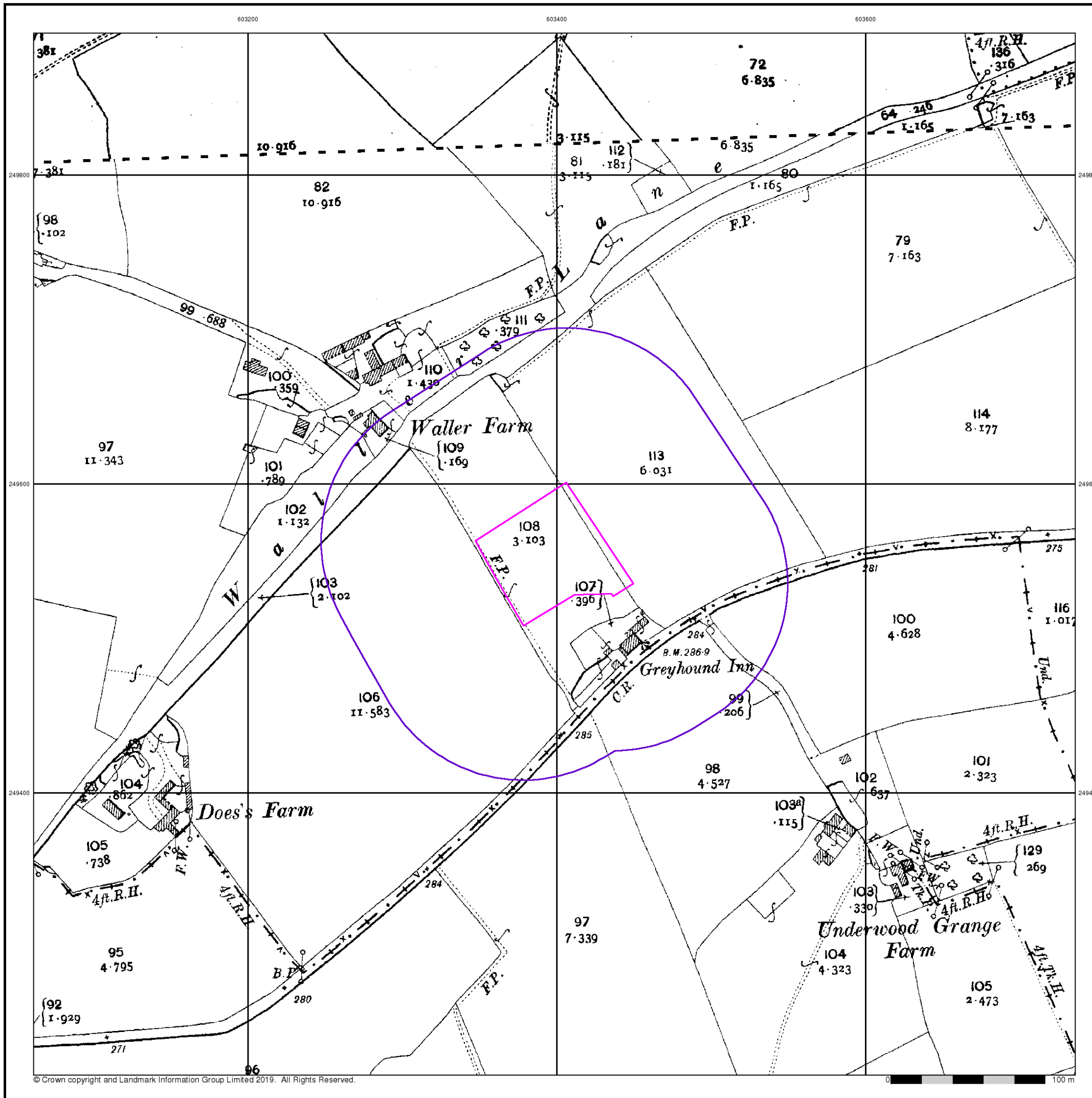


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### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



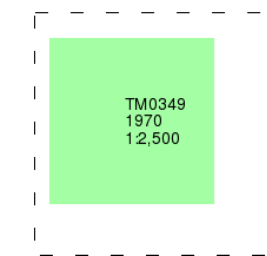
## Ordnance Survey Plan

Published 1970

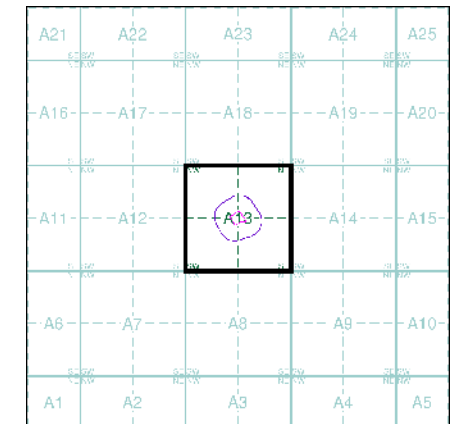
Source map scale - 1:2,500

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

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



### Historical Map - Segment A13

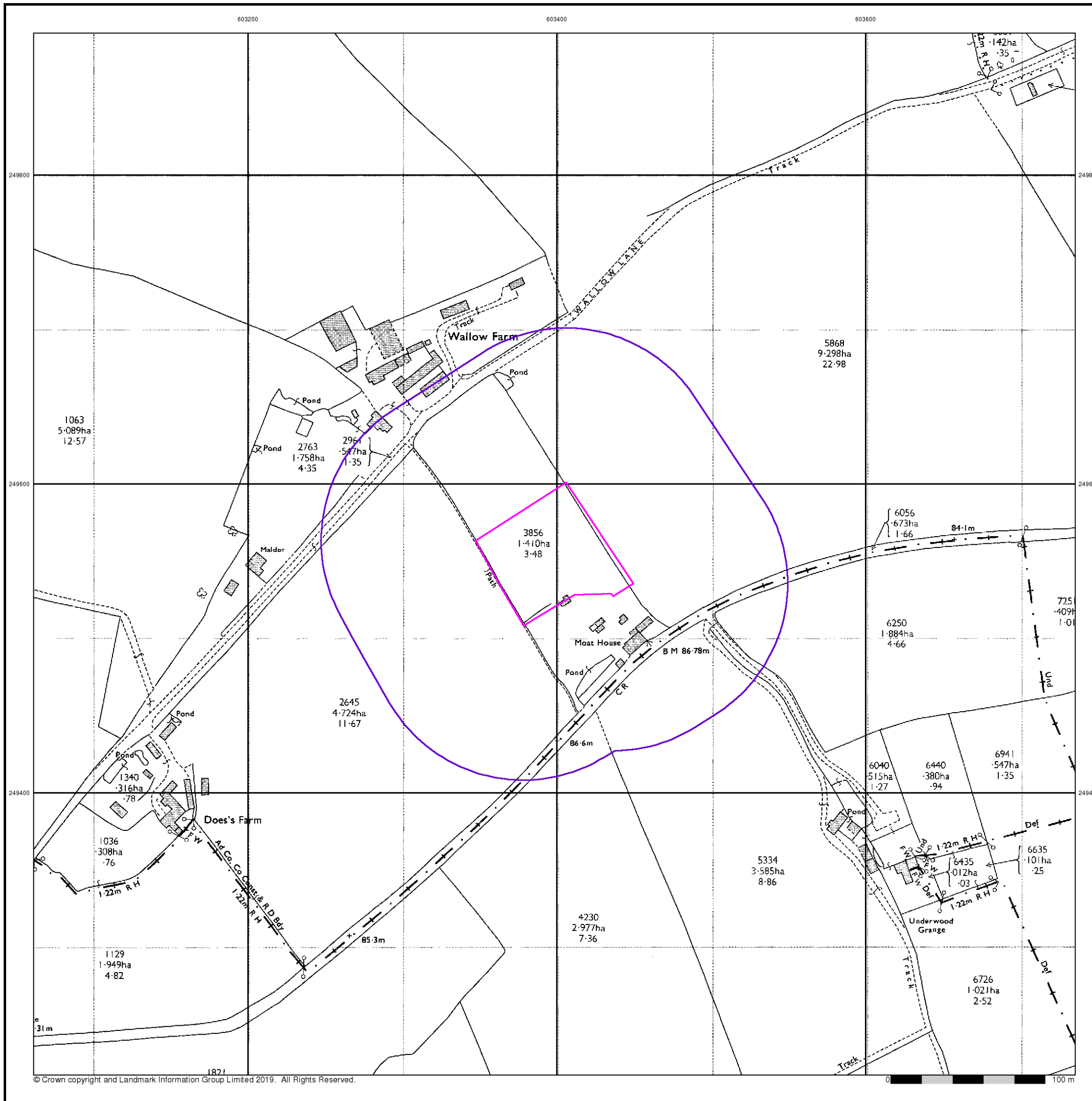


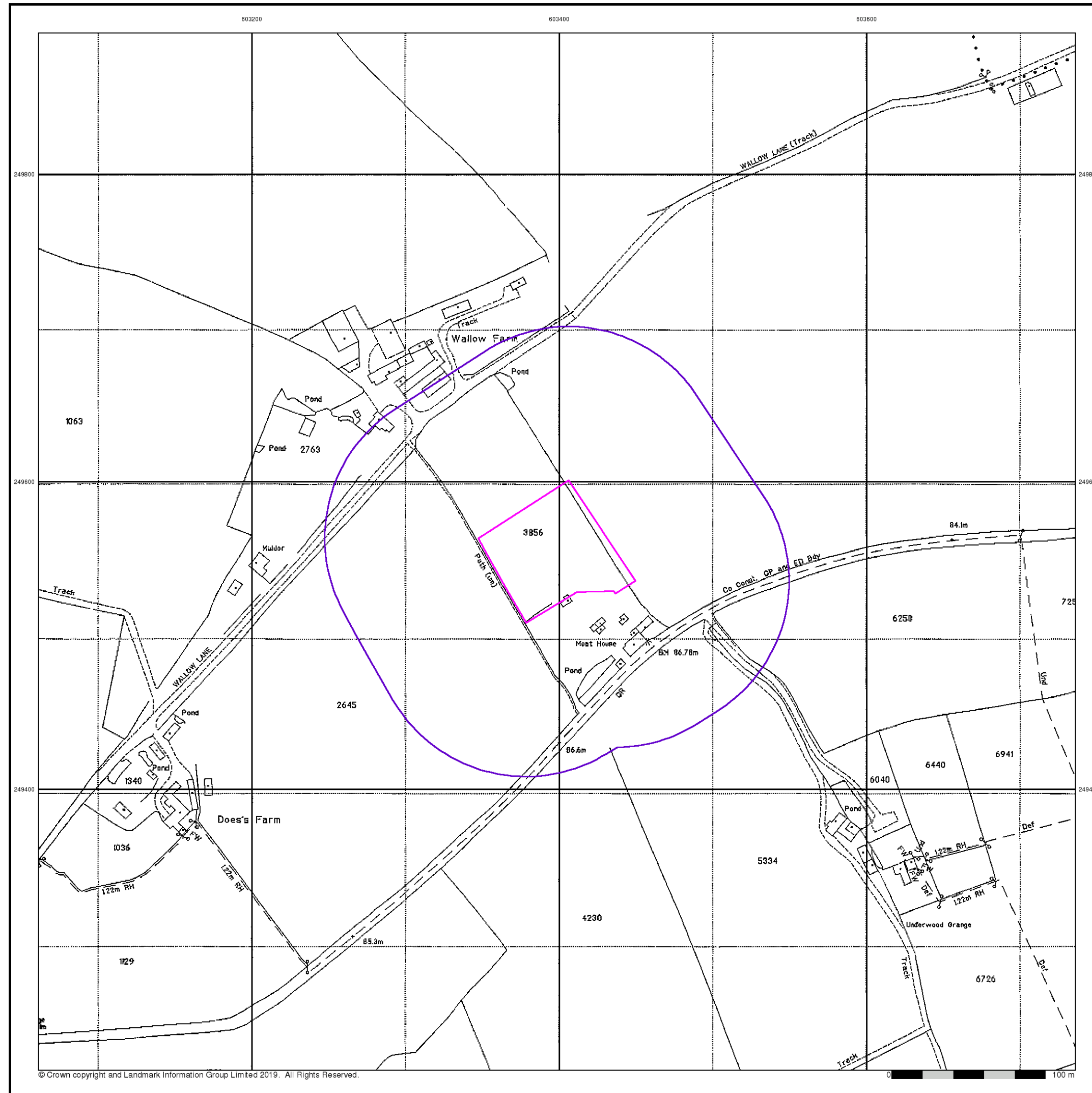
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 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 100

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB





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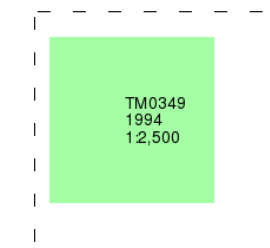
## Large-Scale National Grid Data

Published 1994

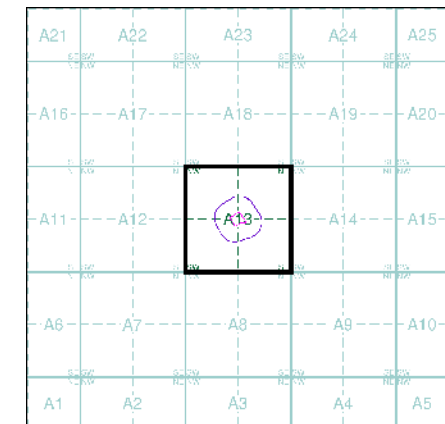
Source map scale - 1:2,500

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

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



### Historical Map - Segment A13



### Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 100

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

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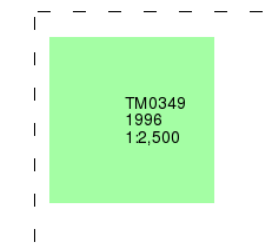
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Published 1996

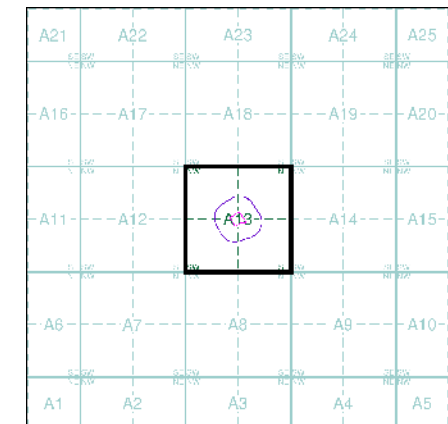
Source map scale - 1:2,500

'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)



### Historical Map - Segment A13

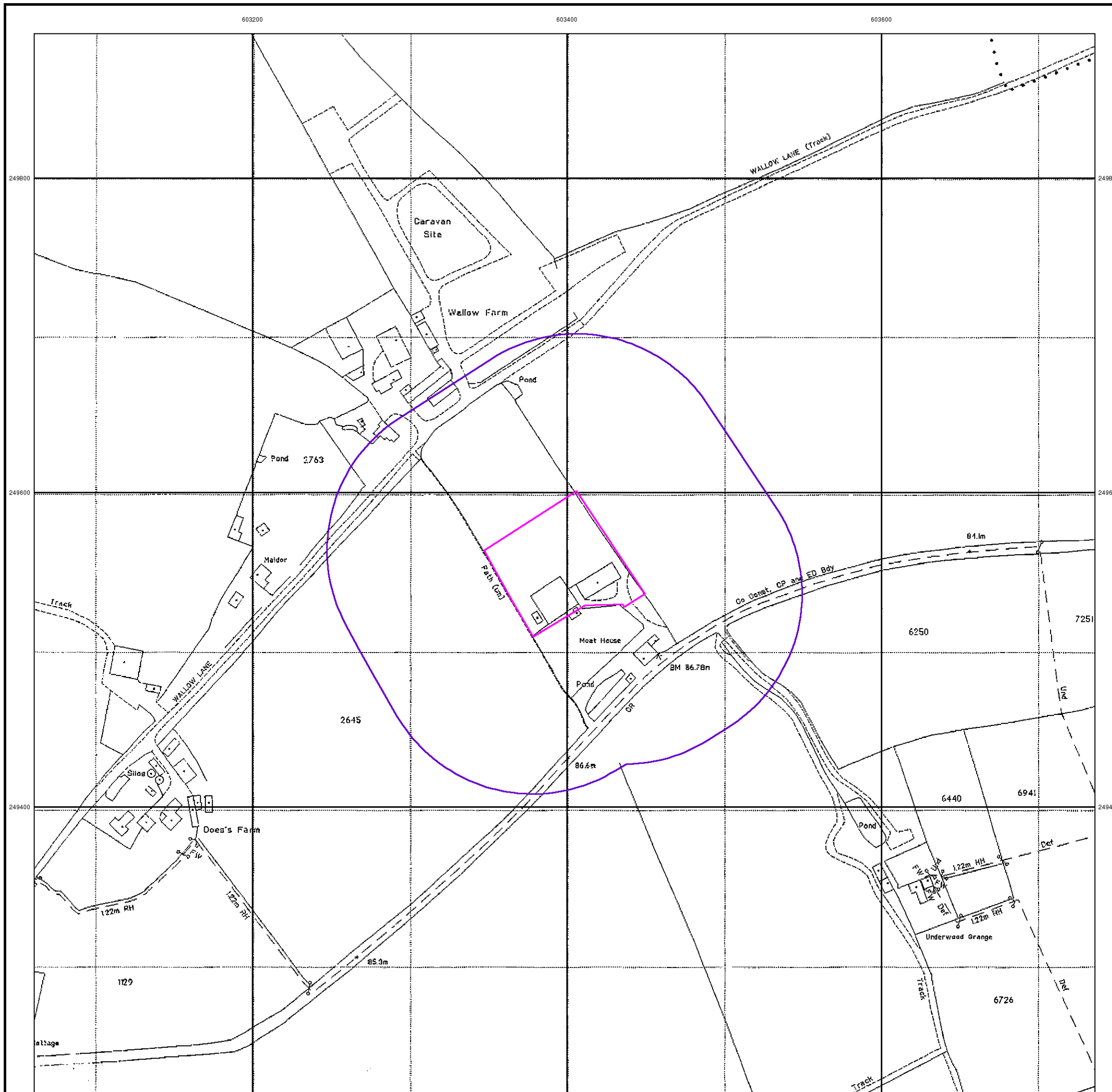


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 Customer Ref: 4134\_DS  
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### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



603200

603400

603600

249800

249800

249600

249600

249400

249400



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0 100 m

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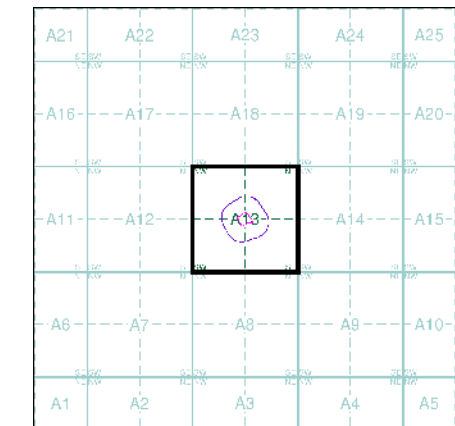
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## Historical Aerial Photography

Published 1999

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

### Historical Aerial Photography - Segment A13



### Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 100

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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		
	<b>-285</b> Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

## Ordnance Survey Plan 1:10,000

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

## 1:10,000 Raster Mapping

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

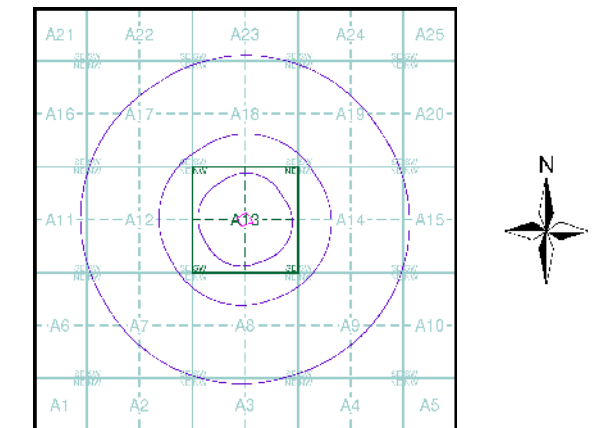
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## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:10,560	1884 - 1886	2
Suffolk	1:10,560	1905	3
Suffolk	1:10,560	1905	4
Suffolk	1:10,560	1927	5
Suffolk	1:10,560	1927	6
Suffolk	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1958	8
Ordnance Survey Plan	1:10,000	1973	9
Ordnance Survey Plan	1:10,000	1980	10
10K Raster Mapping	1:10,000	2000	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2019	13

## Historical Map - Slice A



## Order Details

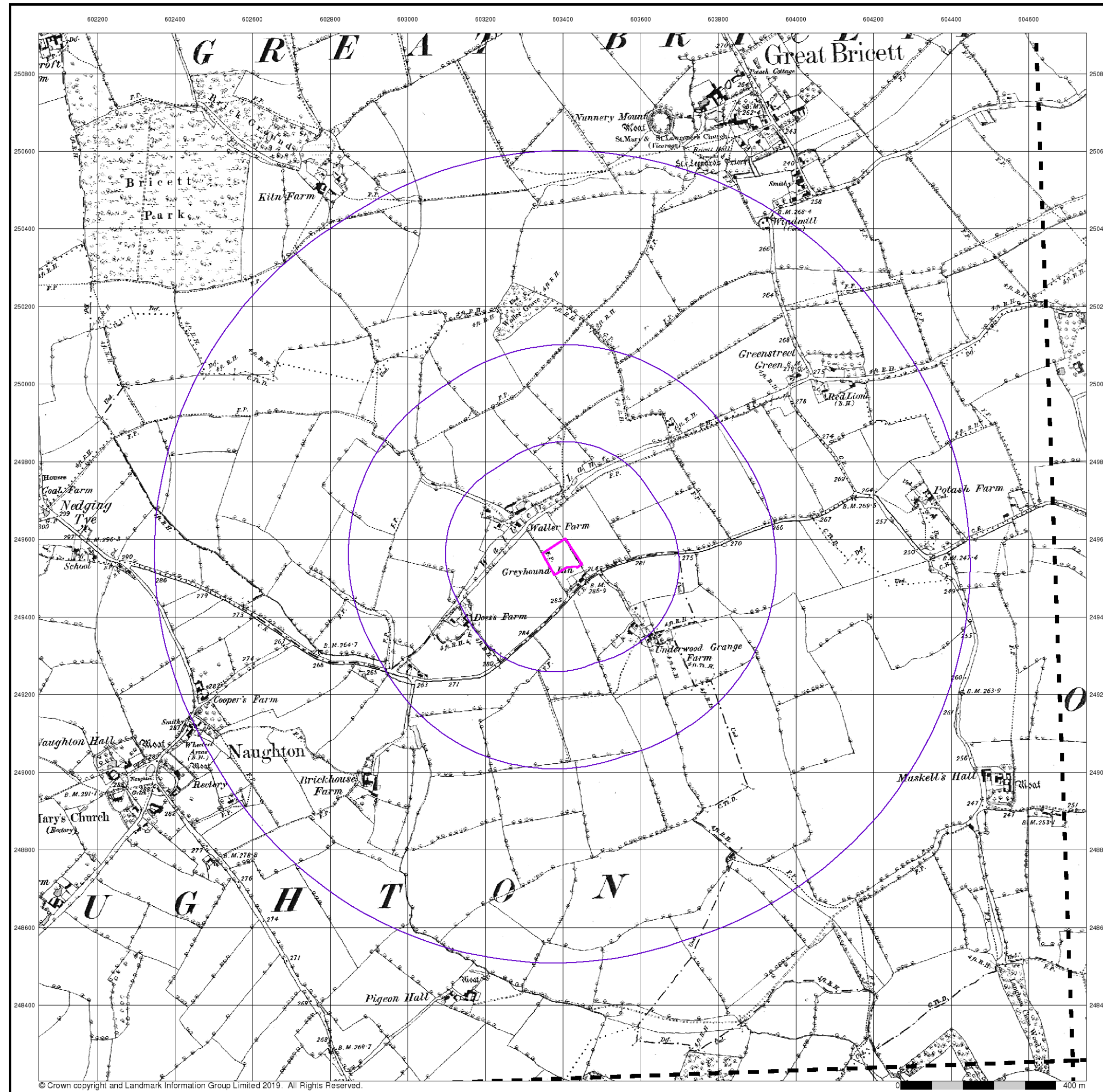
Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

## Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

**Landmark**  
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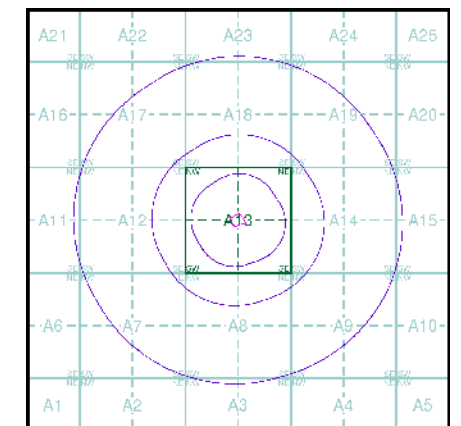


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

065SW 1884 1:10,560	065SE 1885 1:10,560
074NW 1884 1:10,560	074NE 1886 1:10,560

### Historical Map - Slice A



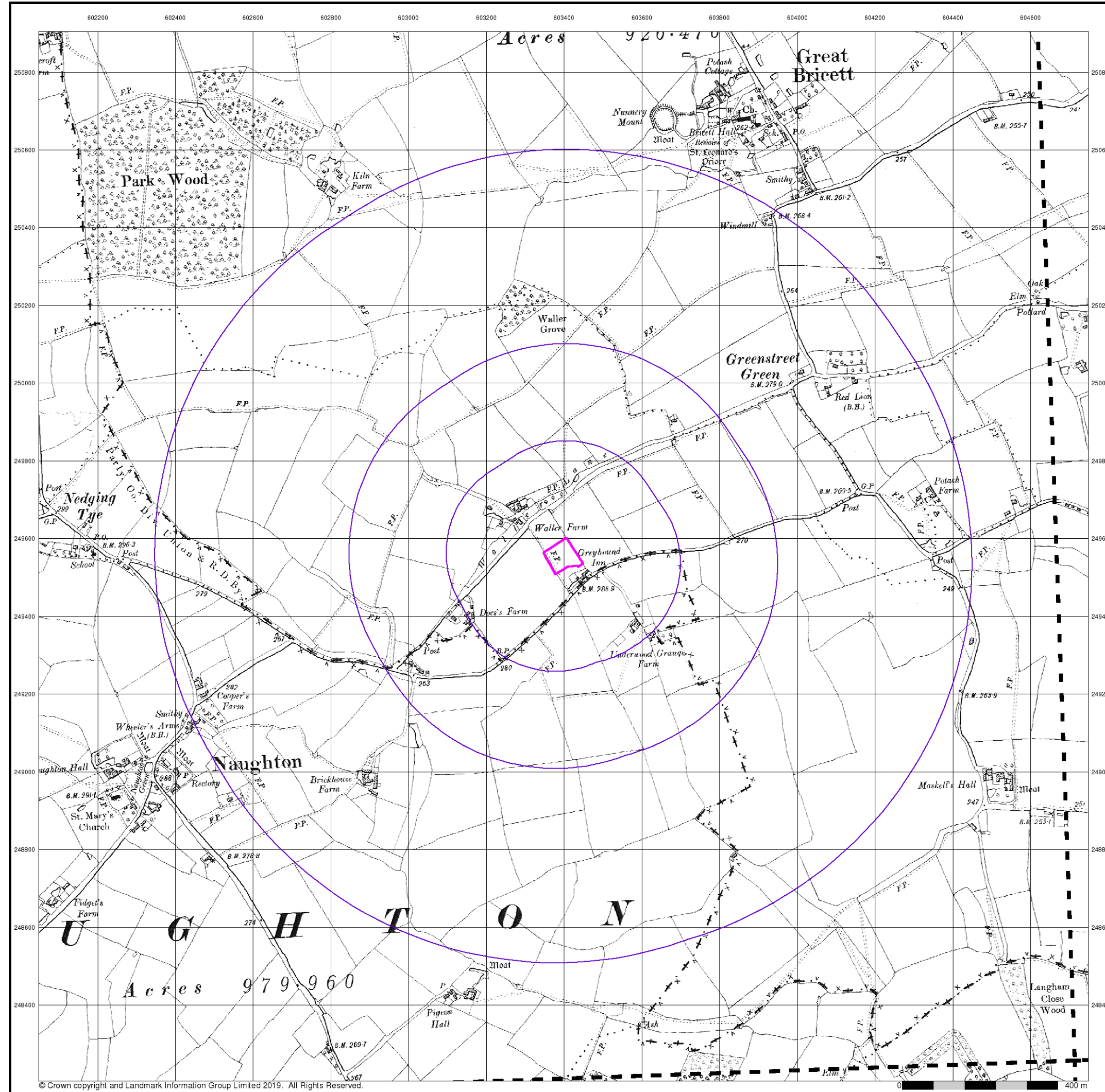
### Order Details

Order Number: 213490256\_1\_1  
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 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

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# Envirocheck®

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Suffolk

Published 1905

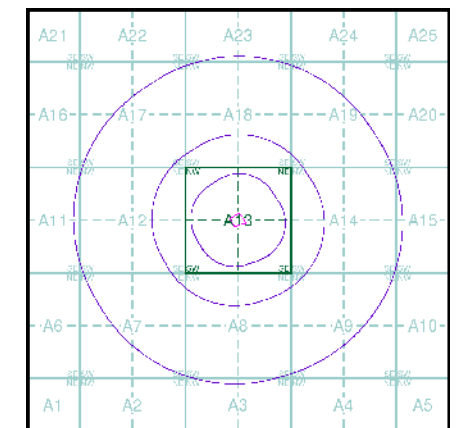
Source map scale - 1:10,560

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)

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074NW 1905 1:10,560	074NE 1905 1:10,560

## Historical Map - Slice A



## Order Details

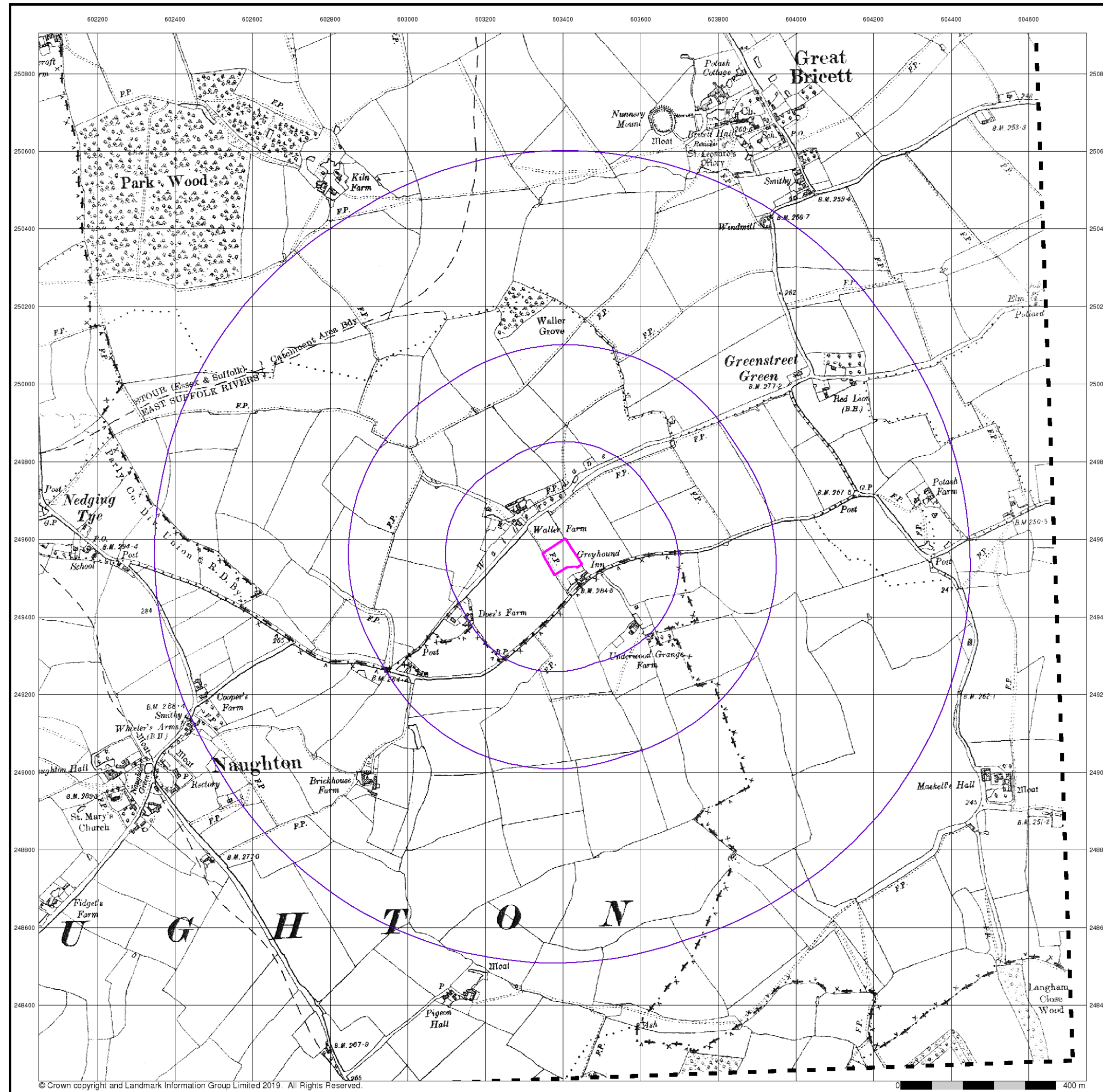
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 Search Buffer (m): 1000

## Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

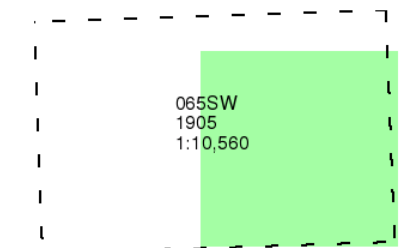
Landmark  
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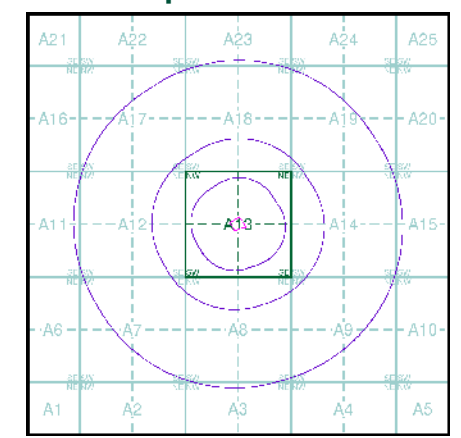


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
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 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

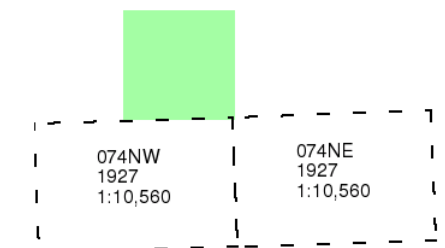
## Suffolk

Published 1927

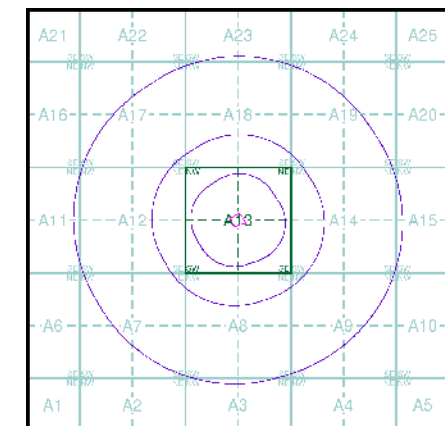
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

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



### Historical Map - Slice A

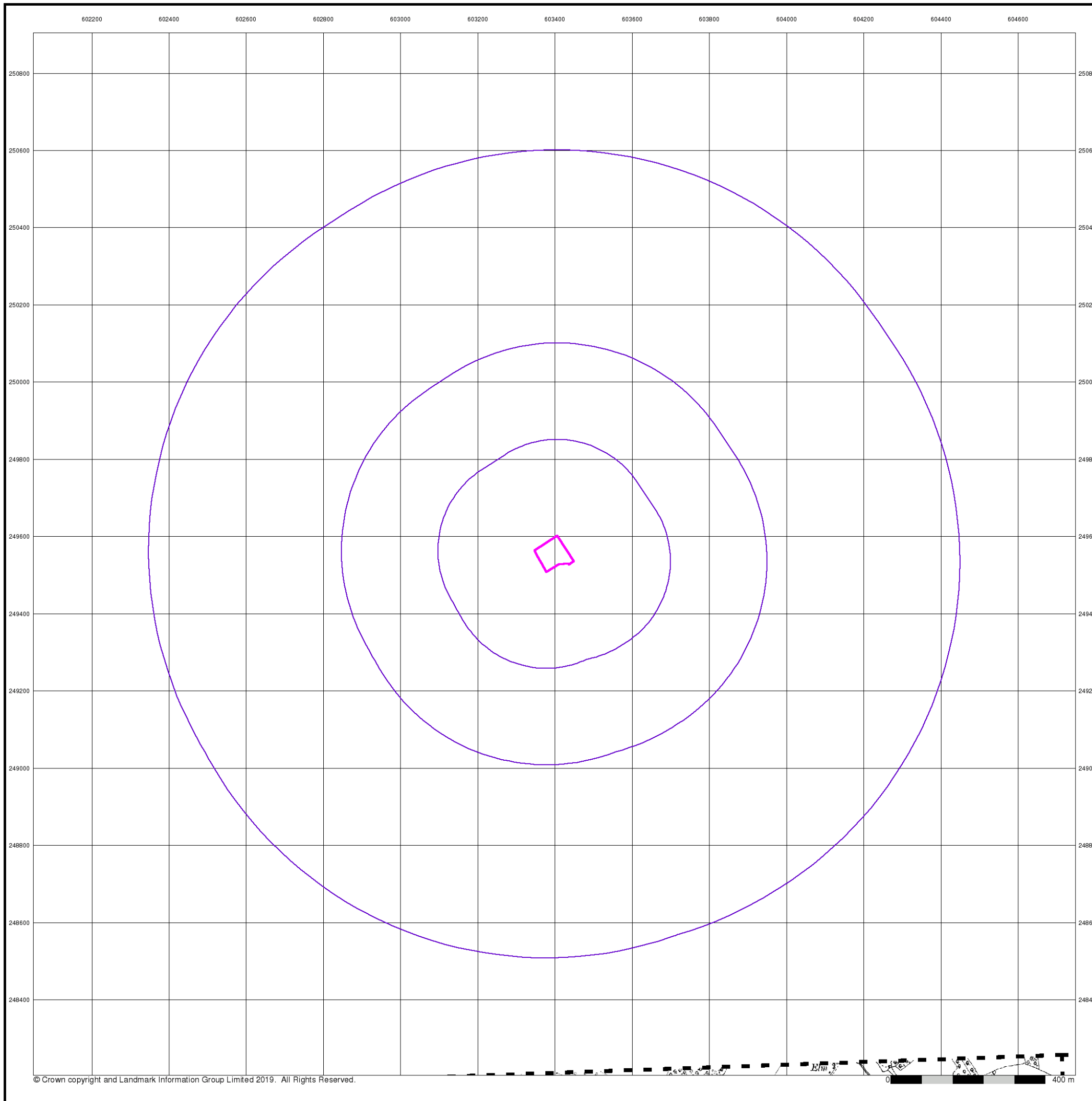


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### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



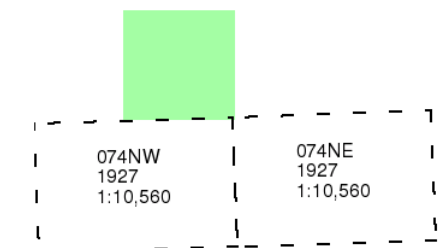
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Published 1927

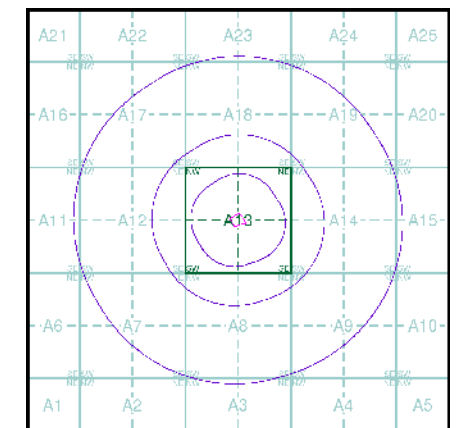
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

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



### Historical Map - Slice A

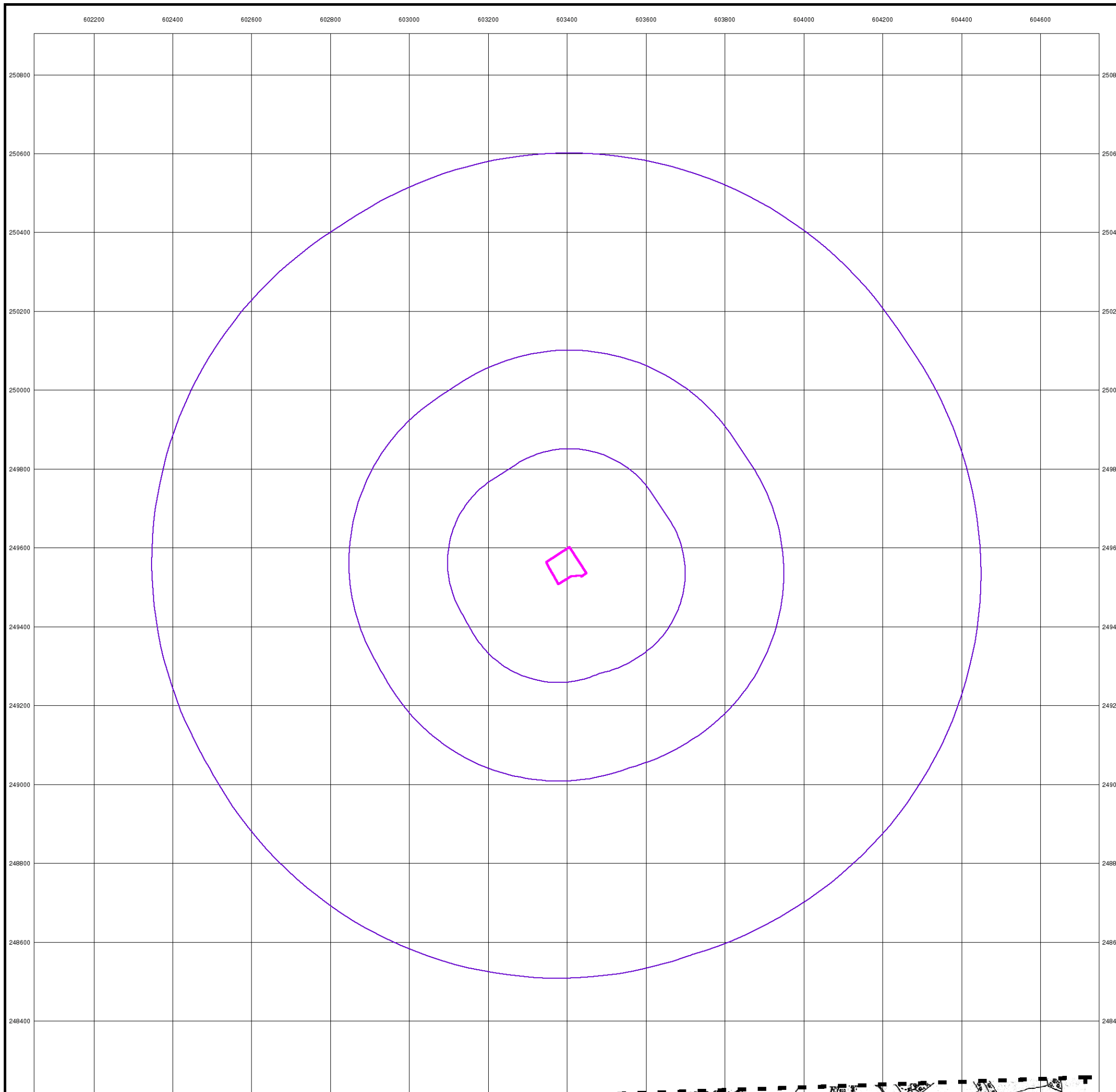


### Order Details

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National Grid Reference: 603400, 249550  
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Site Area (Ha): 0.5  
Search Buffer (m): 1000

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB



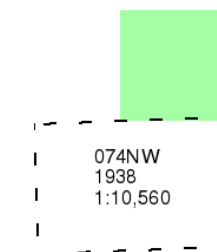
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Published 1938

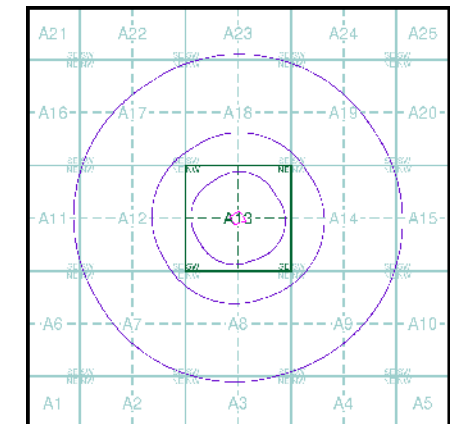
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

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



### Historical Map - Slice A

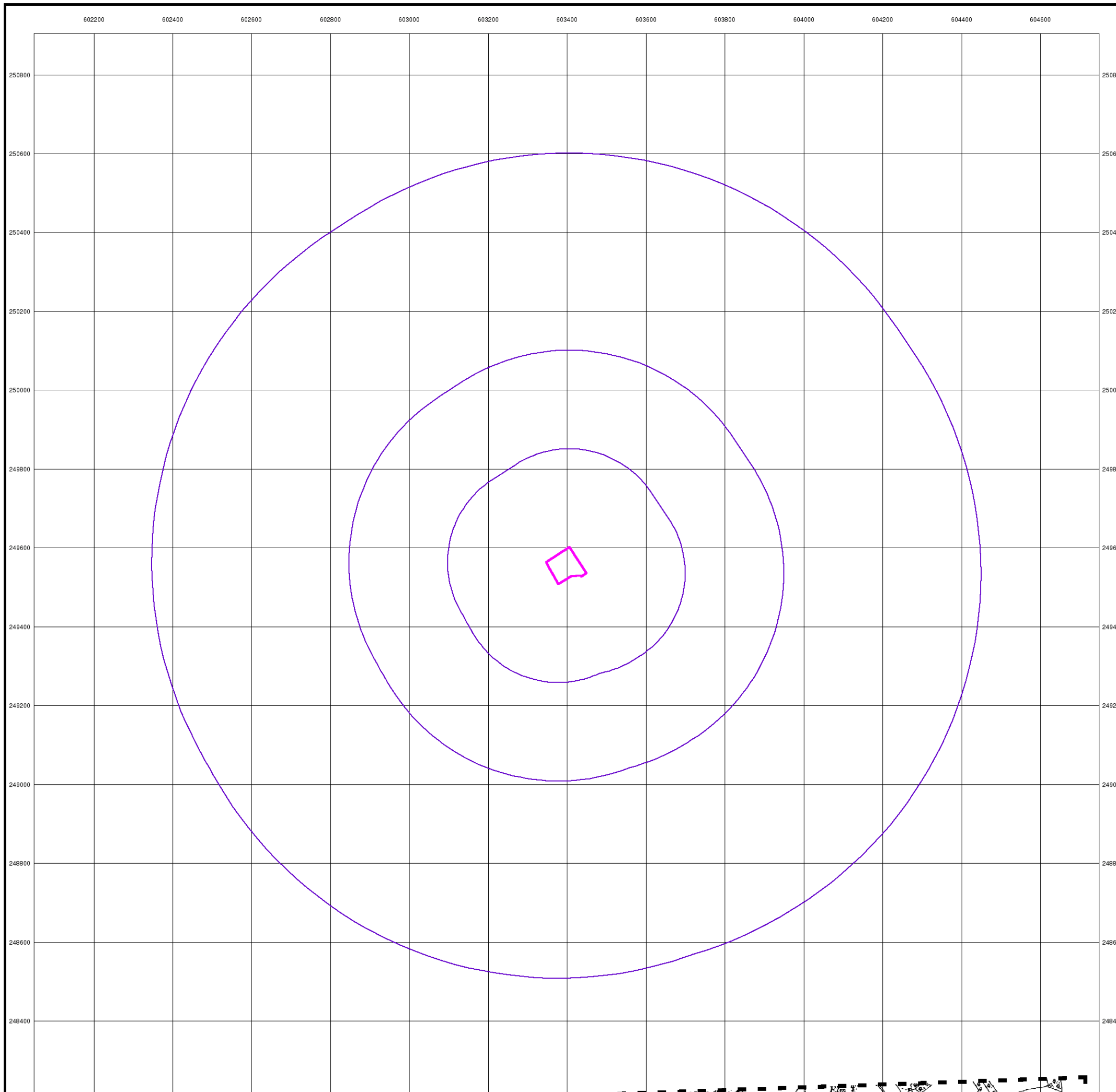


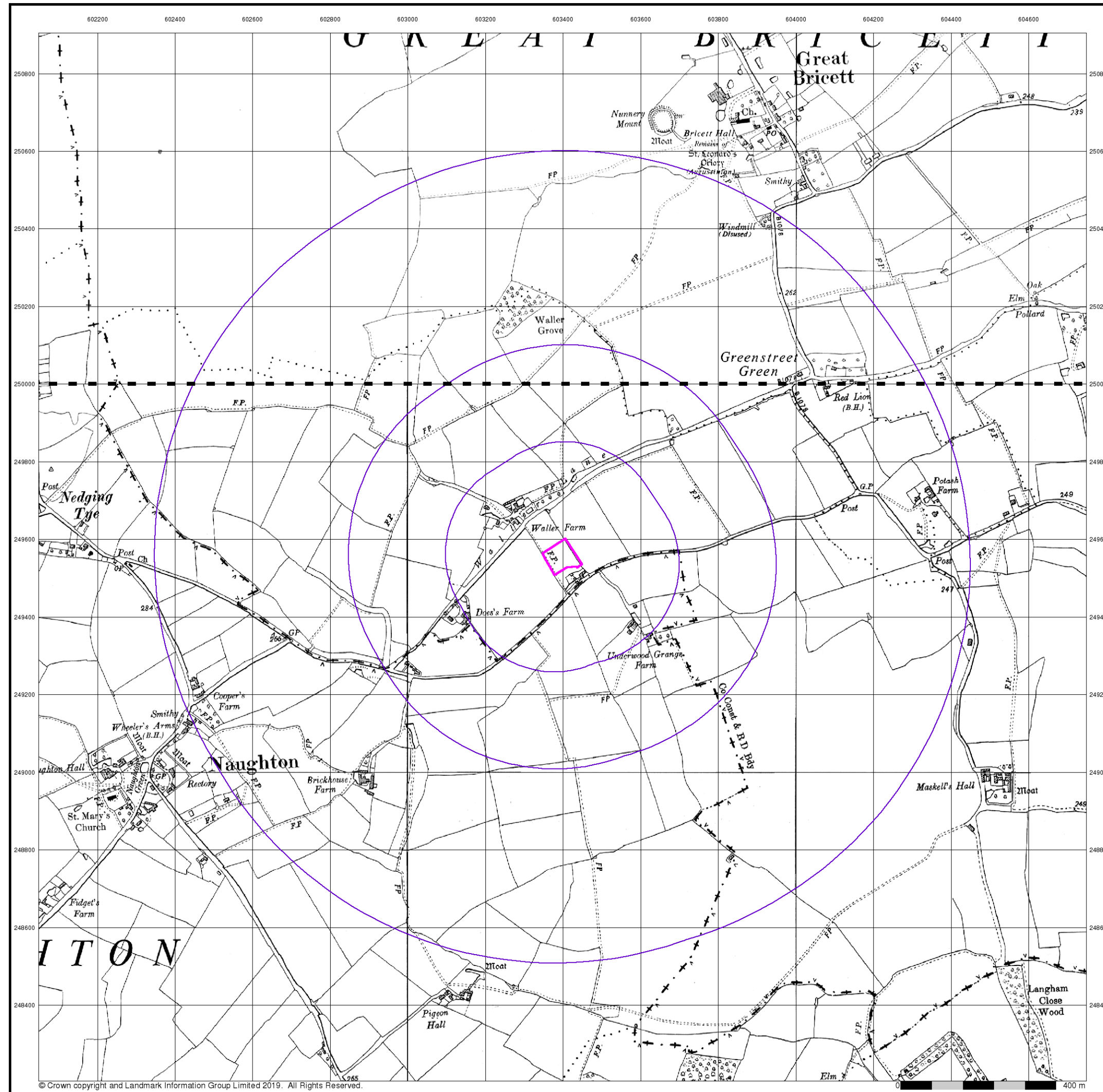
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National Grid Reference: 603400, 249550  
Slice: A  
Site Area (Ha): 0.5  
Search Buffer (m): 1000

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB





## Ordnance Survey Plan

Published 1958

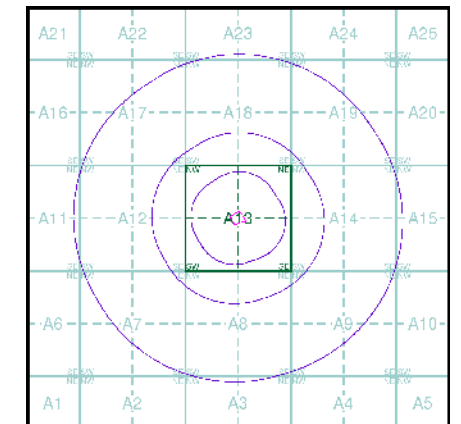
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### Map Name(s) and Date(s)

TM05SW	1958	1:10,560
TM04NW	1958	1:10,560

### Historical Map - Slice A



### Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
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 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

Moat House Farm, Great Bricett, IPSWICH, IP7 7DB

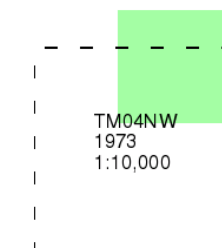
## Ordnance Survey Plan

Published 1973

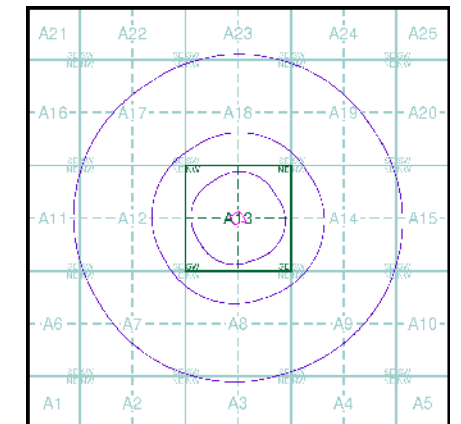
Source map scale - 1:10,000

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

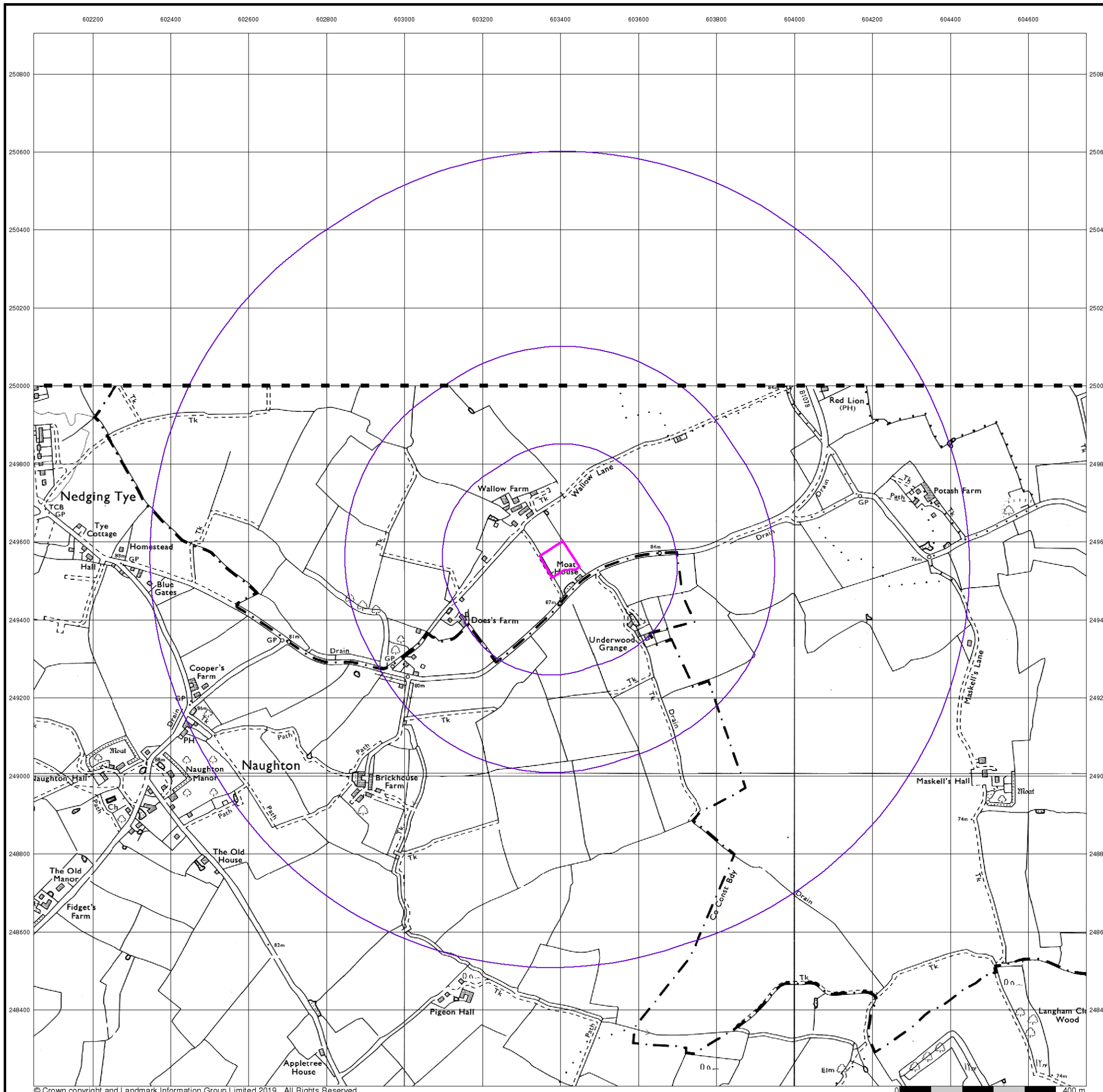


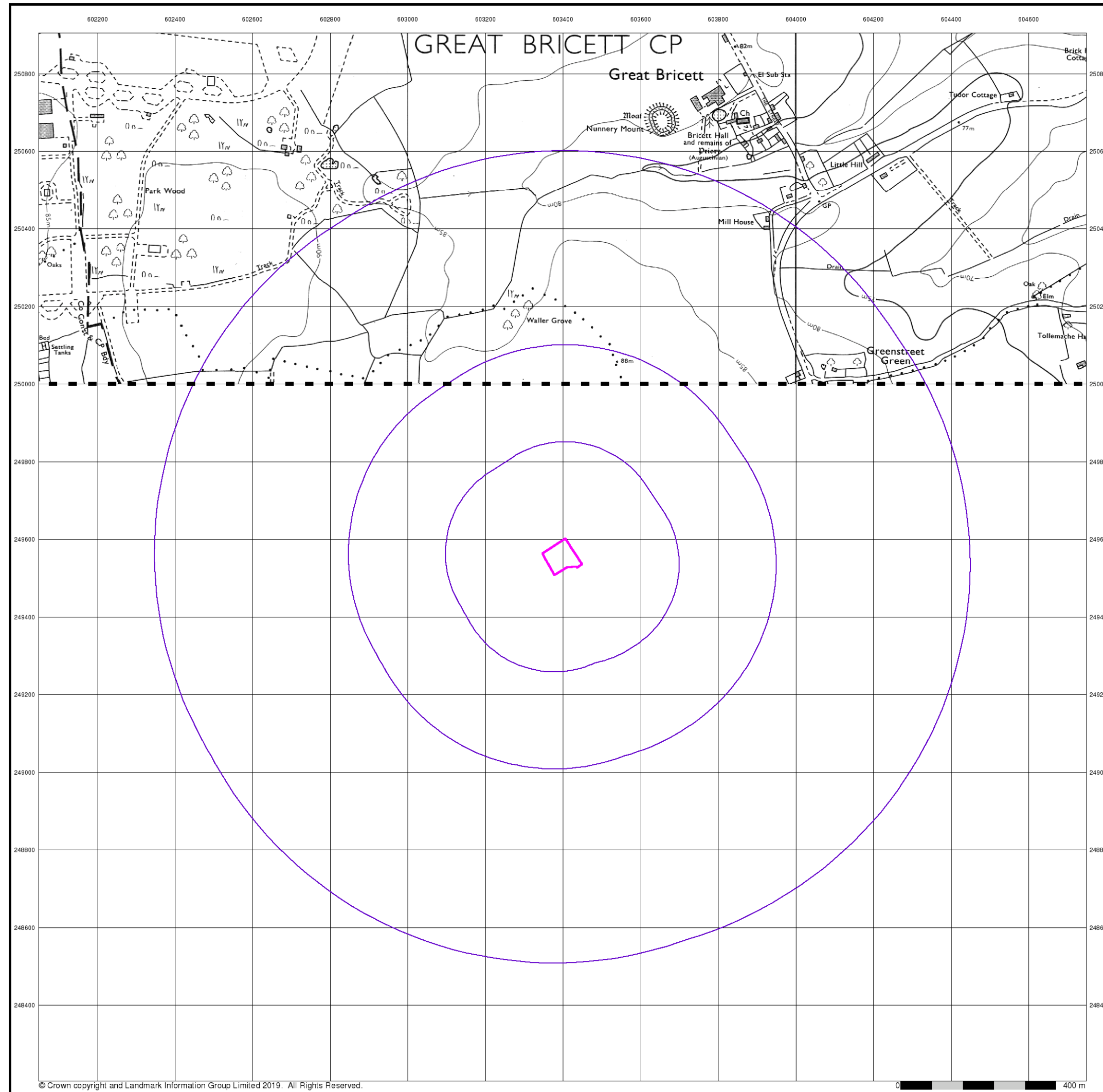
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 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

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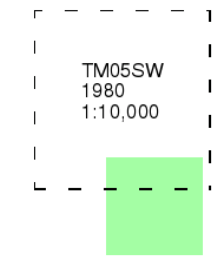
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Published 1980

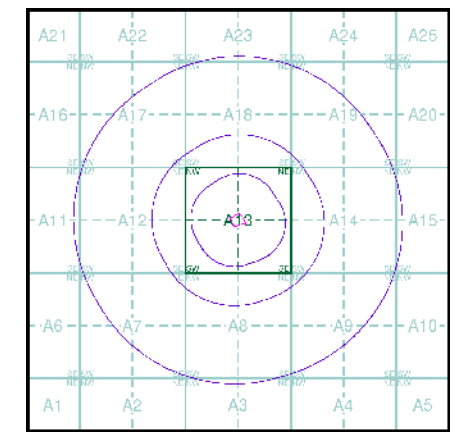
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

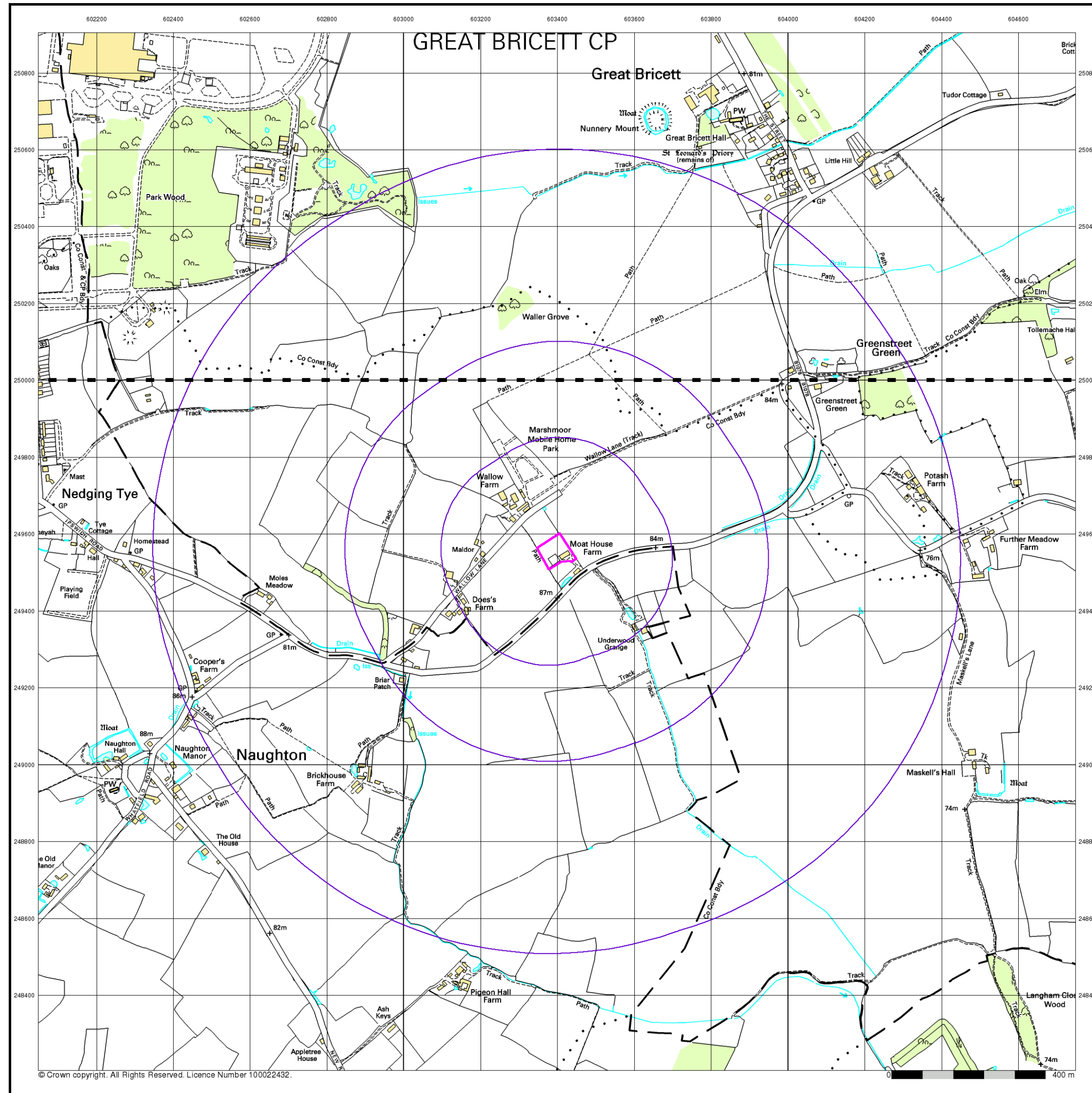
### Site Details

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10k Raster Mapping

Published 2000

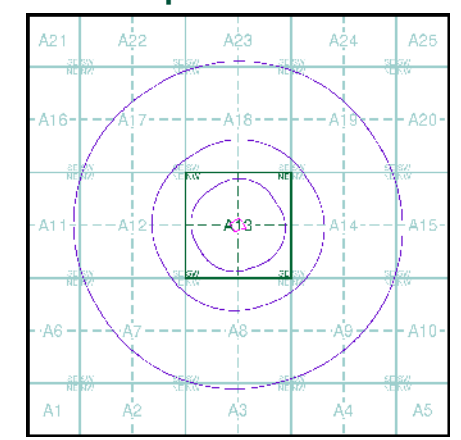
Source map scale - 1:10,000

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

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

TM05SW	2000	1:10,000
TM04NW	2000	1:10,000

### Historical Map - Slice A



### Order Details

Order Number: 213490256\_1\_1  
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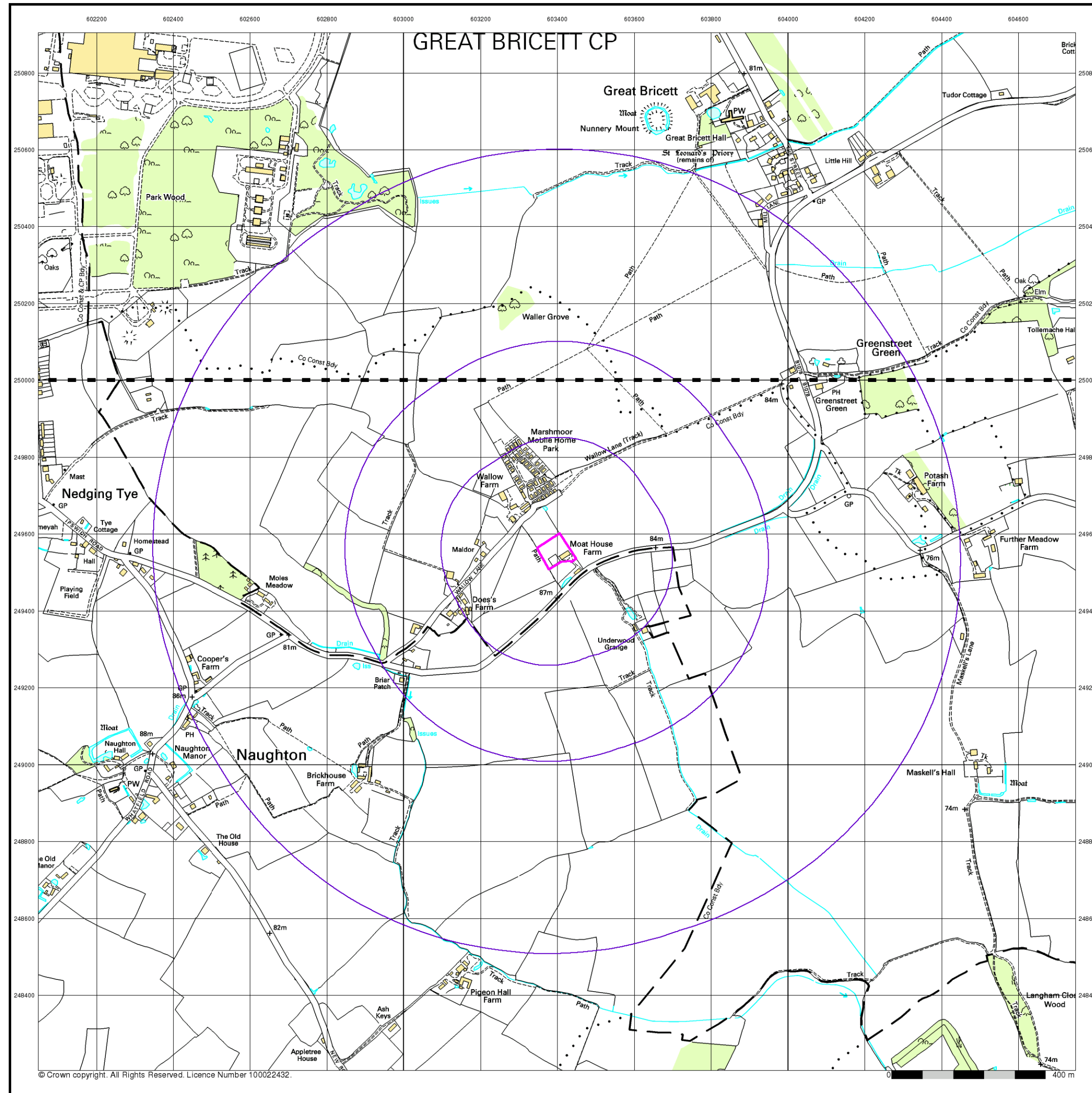
### Site Details

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## 10k Raster Mapping

Published 2006

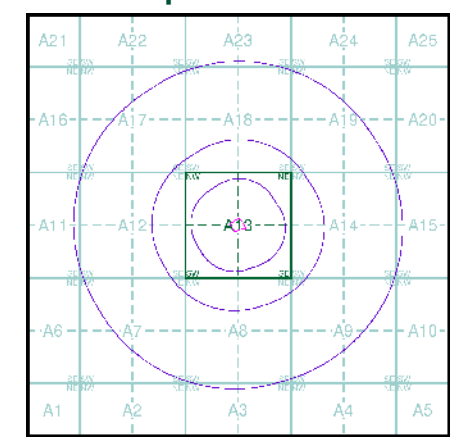
Source map scale - 1:10,000

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

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TM04NW	2006	1:10,000

### Historical Map - Slice A



### Order Details

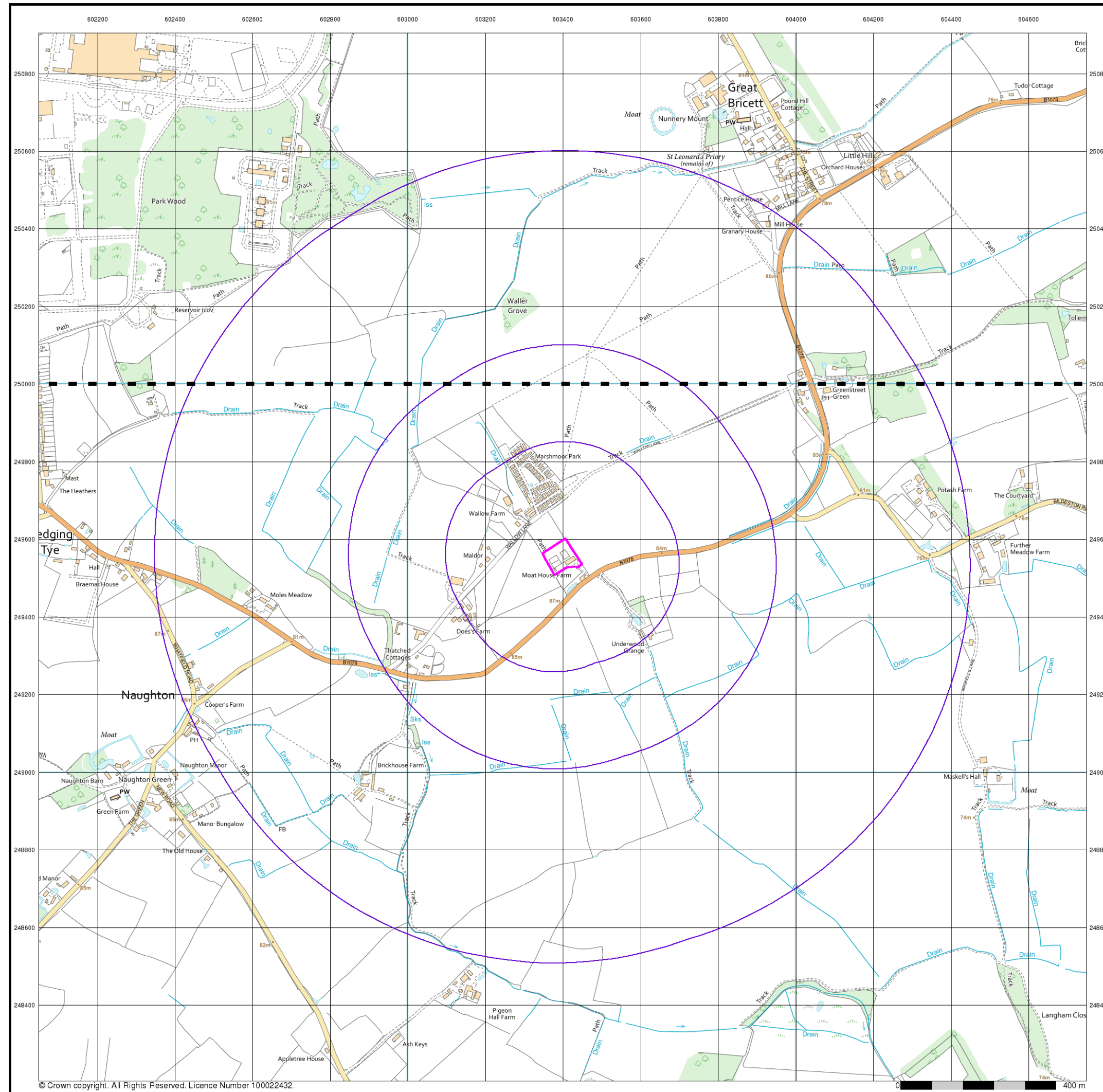
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 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

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## VectorMap Local

Published 2019

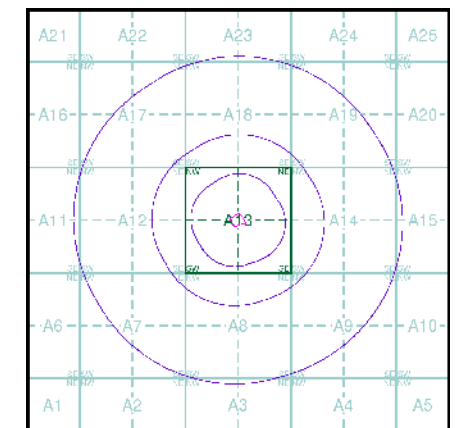
Source map scale - 1:10,000

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

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

- TM05SW | 2019 | Variable
- TM04NW | 2019 | Variable

### Historical Map - Slice A



### Order Details

Order Number: 213490256\_1\_1  
 Customer Ref: 4134\_DS  
 National Grid Reference: 603400, 249550  
 Slice: A  
 Site Area (Ha): 0.5  
 Search Buffer (m): 1000

### Site Details

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## Appendix 5 – Comparison of Consequences Against Probability

		Consequence (Severity of Linkage)			
		Severe (S)	Moderate (Mo)	Mild (Mi)	Negligible (N)
Probability of linkage from	Highly Likely (HL)	Very High Risk (VH)	High Risk (HR)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)
	Likely (L)	High Risk (HR)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)	Low Risk (LR)
	Unlikely (U)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)	Low Risk (LR)	Negligible Risk (NR)
	Negligible (N)	Moderate/Low Risk (MR-LR)	Low Risk (LR)	Negligible Risk (NR)	Negligible Risk (NR)

This table is to provide reference information in conjunction with the GEL Conceptual Model attached within the Hazard Risk Assessment section of this report, Table 4 – Conceptual Model.

### Very High Risk (VH)

- There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is happening currently.
- Urgent investigation and remediation are likely to be required and advised.

### High Risk (HR)

- Harm is likely to arise to a designated receptor from an identified hazard.
- Urgent investigation is required and remedial works are likely necessary in both the short to long term.

### Moderate Risk (MR)

- It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.
- Investigation is required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.

### Low Risk (LR)

- It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Limited investigation recommended.

### Negligible Risk (NR)

- There is a minimal possibility that harm could arise to a receptor. In the event of such harm being realised it is high likely to not be severe. Investigation not deemed necessary.

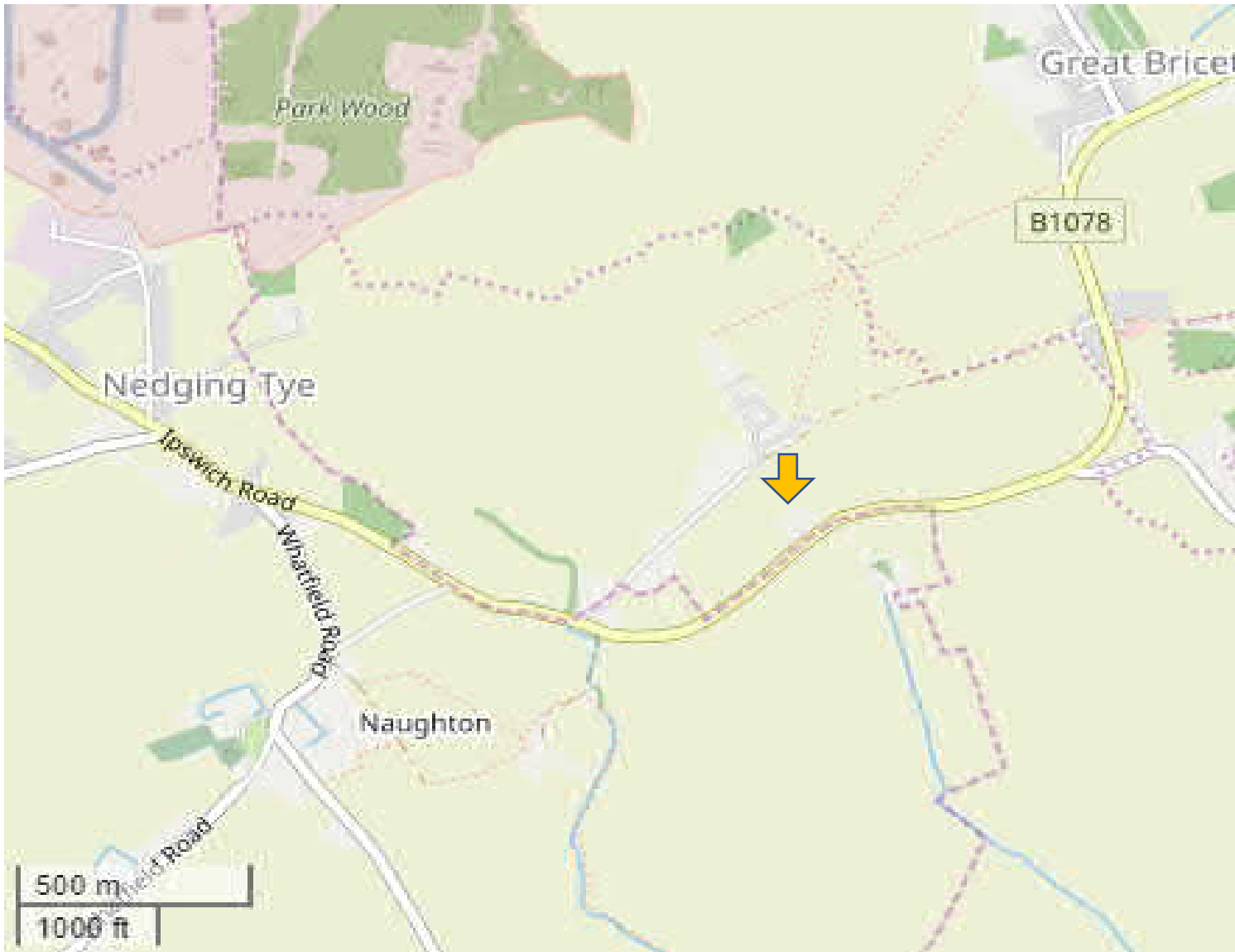
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## Appendix 6 - Drawings

Site Location Plan – Drawing ref. 4134,DS/001/Rev 0

Site Walkover Plan – Drawing ref. 4134,DS/002/Rev 0

Proposed Development Plan – Drawing ref. 151.2 Rev C, dated February 2019



**LEGEND**



Site Location

**SOURCE**

[© OpenStreetMap contributors](#)

**PROJECT**

Back Field Barn, Moat House Farm, Bildeston Road, Offton, IP7 7DB

**TITLE**

Site Location Plan

**DRAWING NUMBER**

**4134,DS/001/Rev0**

**SCALE**

As marked

**DATE**

06/08/2019

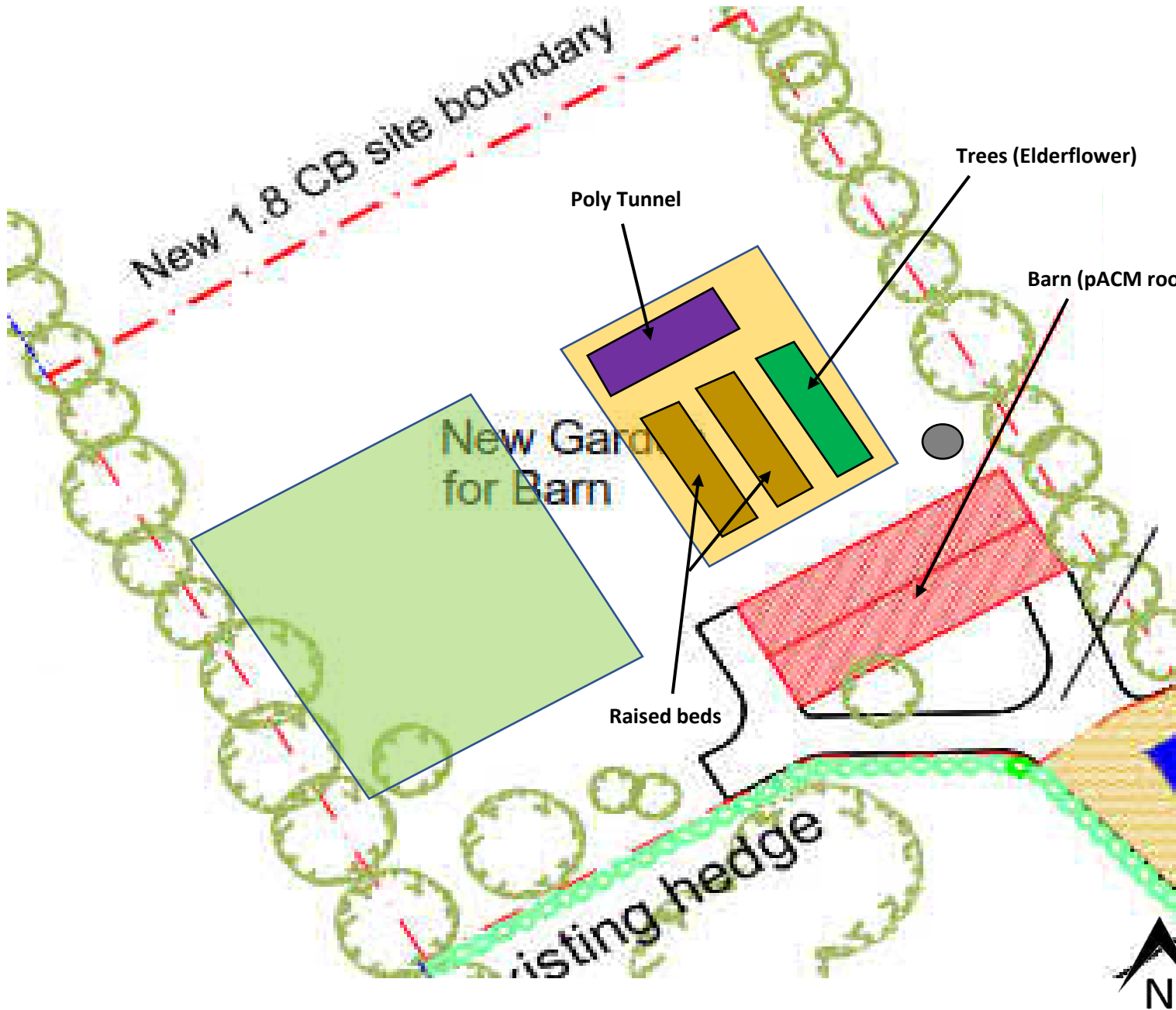
**DRAWN BY**

SG

**CHECKED BY**

TP





**LEGEND**

- Site boundary
- Area of burning
- Area of overgrown pasture
- Allotment

**SOURCE**

Information provided by the client

**PROJECT**

Back Field Barn, Moat House Farm, Bildeston Road, Offton, IP7 7DB

**TITLE**

Site Plan / Proposed

**DRAWING NUMBER**

4134,DS/002/Rev0

**SCALE**

As marked

**DATE**

06/08/2019

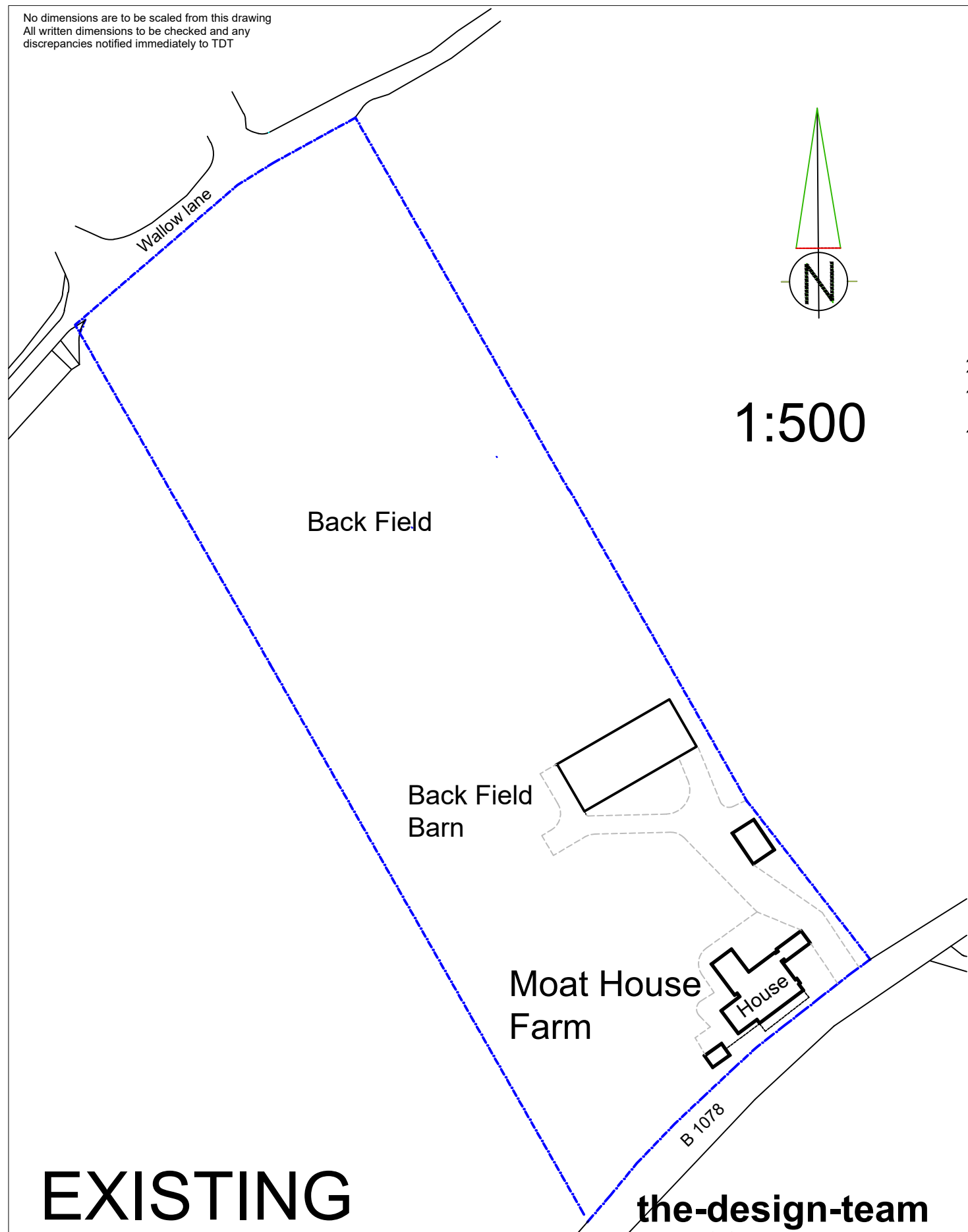
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SG

**CHECKED BY**

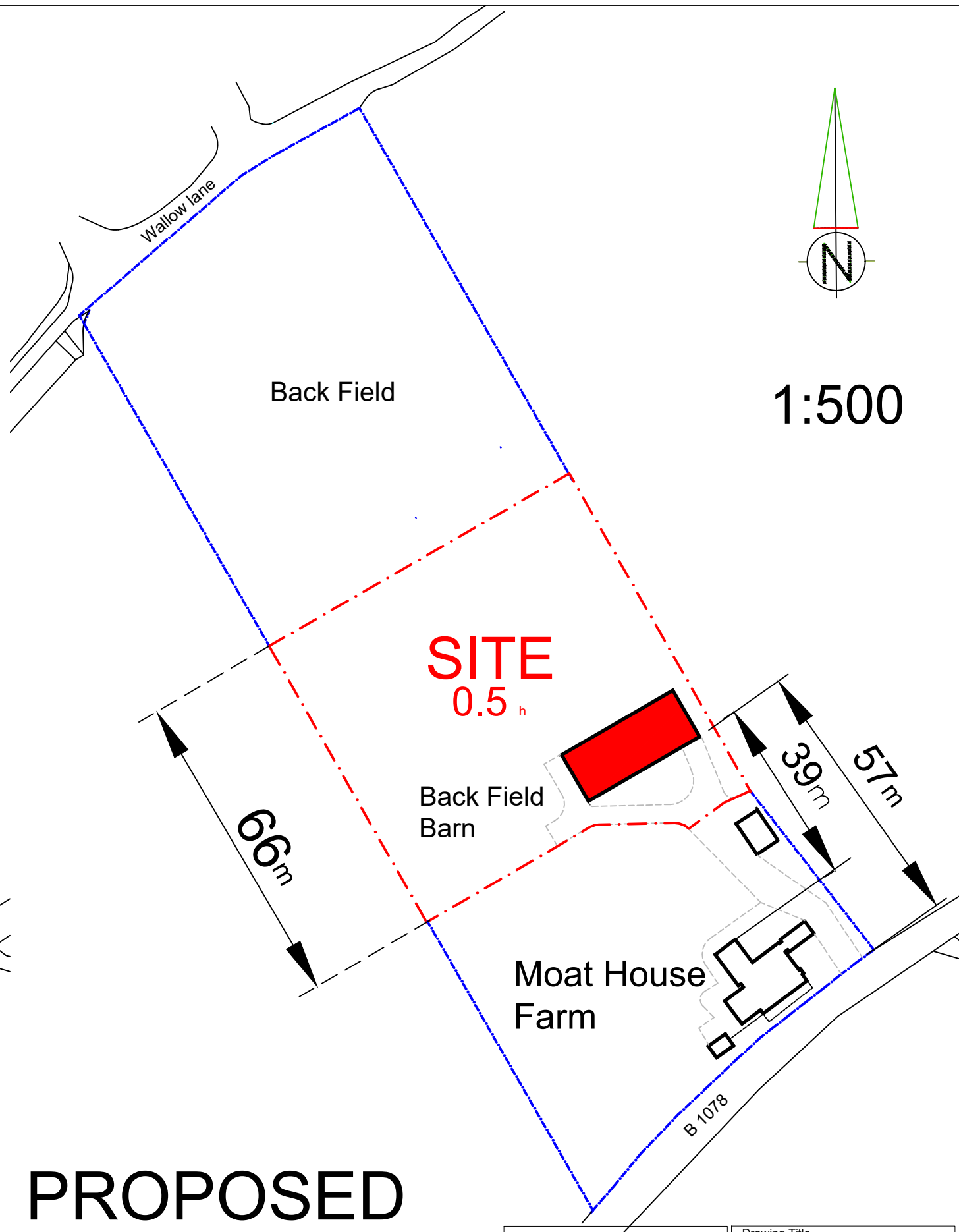
TP

No dimensions are to be scaled from this drawing  
All written dimensions to be checked and any  
discrepancies notified immediately to TDT



# EXISTING BOUNDARY PLAN

**the-design-team**  
Old Coach House, Heath Road,  
East Bergholt, Colchester, CO7 6RA  
Tel: 01206 298773 Mobile: 07969837920  
[david-hill@the-design-team.co.uk](mailto:david-hill@the-design-team.co.uk)



# PROPOSED BOUNDARY PLAN

**Change of Use  
Back Field Barn,  
Moat House Farm  
Great Bricett  
J Pooley**

Drawing Title <b>BOUNDARY PLANS</b>	
April 2019	as shown @ A3
Drawing Number <b>151.3</b>	Rev. <b>A</b>



---

## Appendix 7 - Photographs

**Photograph 1**



**Photograph 2**



**DESCRIPTION**

**Photograph 1**

Looking North west at the existing barn.

**Photograph 2**

Looking north to the front of the existing barn. Note pACM roof.

**Photograph 3**

View within existing barn

**Photograph 3**



**Photograph 4**



**Photograph 4**

Looking north west across site with overgrown pasture in middleground.

**PROJECT**

Backfield Barn, Moat House Farm,  
Bildeston Road, Offton, IP7 7DB

**PROJECT NUMBER**

4134,DS

**TITLE**

**Selected Photographs Relating To  
Site Walkover**

**DATE**

07/08/2019

**PAGE NO.**

1 of 2

**Photograph 5**



**Photograph 6**



**Photograph 7**



**Photograph 8**



**DESCRIPTION**

**Photograph 5**

Looking north across the site with allotment; poly tunnel and raised beds, in middle ground.

**Photograph 6**

Area of burning.

**Photograph 7**

Looking north along the eastern side of the allotment.

**Photograph 8**

Looking east adjacent to the existing barn.

**PROJECT**

Backfield Barn, Moat House Farm, Bildeston Road, Offton, IP7 7DB

**PROJECT NUMBER**

4134,DS

**TITLE**

**Selected Photographs Relating To Site Walkover**

**DATE**

07/08/2019

**PAGE NO.**

2 of 2



GEOSPHERE ENVIRONMENTAL

**Ec**

**Ecology.**

**Fr**

**Flood Risk.**

**Ge**

**Geotechnical.**

**En**

**Environmental.**

**Kw**

**Knotweed.**

**GEOSPHERE ENVIRONMENTAL LTD**

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T: 01603 298076 | 01473 353519 | E: [info@geosphere-environmental.co.uk](mailto:info@geosphere-environmental.co.uk) | W: [geosphere-environmental.co.uk](http://geosphere-environmental.co.uk)