



## **East Pye Solar Project**

**Environmental Impact Assessment (EIA) Scoping Report**

**Volume III - Part 2 Appendix 5.2**

**Date: January 2025**

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**PHASE 1 GROUND CONDITIONS ASSESSMENT**



**East Pye Solar Project**  
**Phase 1 Ground Conditions Assessment**



On behalf of **Island Green Power**

Project Ref: 333101211 / 3501 | Version: 00 | Date: January 2025

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Registered Office: Stantec House Kelburn Court Birchwood Warrington WA3 6UT  
Office Address: Caversham Bridge House, Waterman Place, Reading, Berkshire RG1 8DN  
T: +44 (0)118 950 0761 E: Reading.uk@stantec.com

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|--|-------------------|--------------------------------------|-----------|------|
| <b>Prepared by:</b>                            | Roshni Patel      | Graduate Geotechnical Engineer       |           |      |
| <b>Reviewed by:</b>                            | Nicholas Hills    | Principal Geoenvironmental Scientist |           |      |
| <b>Approved by:</b>                            | Catherine Copping | Technical Director                   |           |      |
| <b>For and on behalf of Stantec UK Limited</b> |                   |                                      |           |      |

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This report has been prepared by Stantec UK Limited ('Stantec') on behalf of its client to whom this report is addressed ('Client') in connection with the project described in this report and takes into account the Client's particular instructions and requirements. This report was prepared in accordance with the professional services appointment under which Stantec was appointed by its Client.

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- Annex 3 Extracts of Relevant BGS Archive Exploratory Holes
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# 1 Introduction

## 1.1 Preamble

- 1.1.1 Stantec UK Ltd. (Stantec) has been commissioned by Island Green Power (the Client) to prepare a Phase 1 Ground Condition Assessment (GCA) for the Scheme on land approximately 10km to the south of Norwich.
- 1.1.2 This report presents the findings of desk study research, the observations from site walkovers, a Tier 1 contamination Preliminary Risk Assessment, and a preliminary ground stability assessment.
- 1.1.3 Attention is drawn to the Essential Guidance for Report Readers included after the main report text.

## 1.2 Scheme Description

- 1.2.1 The Scheme comprises a series of solar PV arrays within the identified solar array sites, a number 132kV/3kV Substations located within the solar array sites; a Battery Energy Storage System (BESS); a National Grid Substation and Point of Connection (POC) that will connect into the existing overhead 400kV line; 2 No. 400kV Substations (one within the BESS Site; and one likely to be at Site 5); and interconnecting cables.
- 1.2.2 The 400kV Substation located within the BESS Site will be connected to the national grid at the existing 400kV overhead line, that runs in a north south direction between Norwich Main and Bramford National Grid sub-stations, near to Great Moulton, South Norfolk. The Scheme will be linked to the POC via underground cables within the Cable Route Corridor (CRC). Underground cables, also within the CRC, will link the solar PV array sites together. The CRC under consideration will be refined through environmental and technical assessment.
- 1.2.3 The solar PV arrays will be mounted on metal frames, either pile driven (hereafter referred to as 'mini pile') or screw mounted into the ground to a maximum depth of 4m or weighed down using concrete feet or other non-ground penetrative techniques. For the purposes of this assessment it is assumed that the 'mini-pile' foundation option will be used.
- 1.2.4 Smaller 132kV/33kV Substations and conversion units will be required across the Site within the solar PV arrays, subject to further design, these are anticipated to be small-scale in construction and founded upon shallow foundations, e.g., ground-bearing slab.
- 1.2.5 The cable trenches will be typically between 1.2m wide, with the potential for several trenches close to each other being required in certain areas, meaning a combined trench width of up to 7m could be required. The trench depth is anticipated to be up to 2.0m subject to design and ground conditions. Crossings

of watercourses by the cable route will be minimised by design, however where crossings are necessary these will be installed using trenchless methods, e.g. horizontal directional drilling (HDD) or pipe-jacking.

- 1.2.6 The operational lifespan of the Scheme is anticipated to be up to 60 years. The Scheme will then be decommissioned, and the Site will be restored and returned to its former agricultural use as far as reasonably practicable. The 60-year operational period of the Scheme will be assessed in the Environmental Impact Assessment (EIA) and reported in the Environmental Statement (ES), which will accompany the DCO application.
- 1.2.7 The Substations, cabling and BESS will be required for the duration of the Scheme. The Substations, with the exception of the National Grid Substation and BESS will be removed as part of the decommissioning of the Scheme. The underground cable ducts will be decommissioned in accordance with the applicable guidance and regulations at the time but are currently anticipated to be left in-situ to minimise environmental impacts.

### 1.3 Context and Objectives

- 1.3.1 This report has been prepared in a planning context (rather than a Part 2A statutory contaminated land context) and forms part of the documentation that supports the Environmental Statement (ES), to be submitted in support of the application for a Development Consent Order (DCO) for the Scheme.
- 1.3.2 The application for development consent will be considered against Draft Overarching National Policy Statement for Energy (EN-1) and Draft National Policy Statement for Renewable Energy Infrastructure (EN-3). The policies relevant to ground conditions (contamination) are presented below:

#### Overarching NPS EN-1

*EN-1 5.11.5 Where pre-existing land contamination is being considered within a development, the objective is to ensure that the site is suitable for its intended use. Risks would require consideration in accordance with the contaminated land statutory guidance as a minimum.*

*EN-1 5.11.14 Applicants are encouraged to develop and implement a Soil Management Plan which could help minimise potential land contamination. The sustainable reuse of soils needs to be carefully considered in line with good practice guidance where large quantities of soils are surplus to requirements or are affected by contamination.*

*EN-1 5.11.17 Applicants should ensure that a site is suitable for its proposed use taking account of ground conditions and any risks arising from land instability and contamination.*

*EN-1 5.11.18 For developments on previously developed land, applicants should ensure that they have considered the risk posed by*

*land contamination, and where contamination is present, applicants should consider opportunities for remediation where possible. It is important to do this as early as possible as part of engagement with the relevant bodies before the official pre-application stage.*

## NPS EN-3

*EN-3 2.10.34 Applicants are encouraged to develop and implement a Soil Resources and Management Plan which could help to use and manage soils sustainably and minimise adverse impacts on soil health and potential land contamination.*

- 1.3.3 The objective of this report is to identify the likely ground conditions using published and publicly available information (see below for sources of information accessed) and to assess whether there are land instability or contamination risks associated with the ground conditions that require management (remediation or mitigation).

## 1.4 Methodology

- 1.4.1 The following summarises the ground conditions assessment methodology adopted by Stantec with a more detailed description in our guide entitled Stantec Guide: Methodology for Assessment of Land Contamination (England), a copy of which is presented in [Annex 1](#).

### Assessment of Ground Conditions - Contamination

- 1.4.2 The adopted methodology follows the guidance on how to assess and manage the risks from land contamination given in “Land Contamination Risk Management” (LCRM) (EA, 2023).
- 1.4.3 The principal planning objective in respect of contamination is to ensure that any unacceptable risks to human health, buildings and other property and the natural and historical environment from the contaminated condition of the land are identified so that appropriate action can be considered and taken to address those risks.
- 1.4.4 LCRM presents a three-stage process to the management of contaminated land:
- Stage 1 = Risk Assessment.
  - Stage 2 = Options Appraisal.
  - Stage 3 = Remediation.
- 1.4.5 The Stage 1 risk assessment is undertaken in a phased manner comprising three tiers, with the three tiers being:

- Tier 1 – “Preliminary Risk Assessment” – a qualitative assessment forming part of a Phase 1 report,
- Tier 2 – “Generic Risk Assessment” - a quantitative assessment using published criteria to screen site specific ground condition data forming part of a Phase 2 report and
- Tier 3 – “Detailed Risk Assessment” – a quantitative assessment involving the generation of site-specific assessment criteria (SSAC).

1.4.6 The underlying principle is the evaluation of *contaminant linkages* in order to assess whether the presence of a source of contamination could potentially lead to harmful consequences. A pollutant linkage consists of the following three elements:

- A source of contamination or hazard that has the potential to cause harm or pollution.
- A pathway for the hazard to move along / generate exposure; and
- A receptor which is affected by the hazard.

1.4.7 Each tier of risk assessment comprises the following four stages:

- Hazard Identification – identifying potential contaminant sources on and off site.
- Hazard Assessment – assessing the potential for unacceptable risks by identifying what pathways and receptors could be present, and what pollutant linkages could result (forming the Conceptual site Model (CSM)).
- Risk Estimation – estimating the magnitude and probability of the possible consequences (what degree of harm might result to a defined receptor and how likely); and
- Risk Evaluation – evaluating whether the risk needs to be, and can be, managed.

1.4.8 This report presents a Tier 1 Preliminary Risk Assessment.

## Assessment of Ground Conditions - Instability

1.4.9 The preliminary ground stability assessment methodology follows the guidance on preliminary land stability assessment given in the Planning Practice Guidance for Land Stability published by the Department for Communities and Local Government (DCLG 2014). The guidance requires at least a desk-based study and a site inspection visit by an appropriately qualified person.

1.4.10 The desk-based study comprises a review of existing readily available published sources of geological, geomorphological, hydrogeological and/or mining

information on the site and its surroundings and a historical review including mapping and aerial imagery, if appropriate.

1.4.11 The preliminary stability assessment includes for example, where relevant, a review of geological hazards for the site such as natural and man-made (mining) cavities, landslide, cambering and block movement, collapsible and compressible soils, running sand, and subsidence and heave due to volumetric change in the ground.

## 1.5 Sources of Information

1.5.1 The following sources of information have been used in the preparation of this report, it should be noted that the date that each source was accessed is given in the references section of this report:

- A walkover survey on 20<sup>th</sup> June 2024 to observe existing conditions both on the Site and the surrounding area.
- Enviro+Geo Insight Report (environmental data report and historical mapping) relating to the solar farm and cable route provided by Groundsure (GS, 2024) which is presented in **Annex 2**.
- Review of the Natural Cavity and Artificial non-coal (underground) mining cavity databases managed and enhanced by Stantec.
- Review of borehole records held by the British Geological Society (BGS) accessed via their website, <http://www.bgs.ac.uk/data/boreholescans/home.html>. Copies of which are presented in **Annex 3**.
- Review of geological mapping held by the BGS accessed via their website <http://mapapps.bgs.ac.uk/geologyofbritain/home.html>.
- Review of DEFRA's MAGIC (Multi-Agency Geographic Information for the Countryside) website, <http://www.magic.gov.uk>. The MAGIC website provides authoritative geographic information about the natural environment from across government.
- A search of the Stantec project database to identify any ground condition reports near the site (within 250m).
- A review of South Norfolk and Broadland District Council Planning Portal located at <https://www.southnorfolkandbroadland.gov.uk/planning-applications/find-planning-application>.
- A contaminated land enquiry was made to South Norfolk and Broadland District Council. A copy of the response is included in **Annex 4**.

- A freedom of information request was made to the Environment Agency for any environmental information relevant to the site. A copy of the response is included in **Annex 5**.
- Following the Environment Agency response, a request for information relating to any known animal burial sites pursuant to the provisions of the Animal Health Act 1981 and the Animals (Miscellaneous Provisions) Order 1927 was made to the Animal and Plant Health Agency. A copy of the response is included in **Annex 5**.
- A review of the Public Health England Radon Atlas and Interactive Radon Map, available at [www.ukradon.org](http://www.ukradon.org).
- A review of risk map records of Regional Unexploded Bomb Risk of Kent held by Zetica UXO and located at <https://zeticauxo.com/downloads-and-resources/risk-maps> as well as a UXO Desk Study and Constraints Assessment for the Site produced by Zetica, a copy of which is provided in **Annex 6**.
- A review of historical aerial photography presented on Google Earth.

1.5.2 During preparation of this report the following additional reports were commissioned:

- An Unexploded Ordnance (UXO) Constraints Assessment (Zetica, 2024).

## 2 Land Use Information

### 2.1 Introduction

2.1.1 This section presents a summary of current and historical land uses on and immediately adjacent to the site. Land use is used to inform the hazard identification element of the risk assessment.

### 2.2 Site Location and Description

2.2.1 The Site comprises multiple sub-Sites spanning between the village of Sneath Common in the south-west and the village of Seething in the north-east, a linear distance of approximately 15km, as shown on **Figure 1** (Site Location Plan).

2.2.2 As also shown on **Figure 1** the Site has been divided into the following sub-divisions:

- The National Grid Substation and Point of Connection (POC).
- The Battery Energy Storage System (BESS) Site.
- Ten “Sites” (Site 1 to Site 10), each of which is a possible location for the solar PV arrays. Each Site is comprised of one or more individual sub-Sites, each given a letter designation, e.g. 1A, 1B etc.
- Fourteen Cable Route Corridors (CRC1 to CRC14).

2.2.3 This report has been prepared using the red-line boundary, site layout and naming conventions as shown on **Figure 1** of this report and Figure 1.1 of EIA Scoping Report Volume II. Should any of these change this report should be updated.

### 2.3 Current Land Use

2.3.1 The current land use information is based on a reconnaissance survey undertaken on 20<sup>th</sup> June 2024 and contemporary aerial imagery.

### 2.4 Historical Land Use

2.4.1 This section presents a summary of the historical land uses on the Site and in the immediate surrounding area. The historical land use information is based on Ordnance Survey (OS) maps, and plans dated between 1883 and 2024, provided within the Groundsure Report presented in **Annex 2**, supplemented by a review of Google Earth historical aerial photographs and other sources of historical information as listed in **Section 1**.

2.4.2 In undertaking the historical land-use review, search buffers of 50m have been used for the identification of off-Site land uses with the potential for



contamination to migrate onto the Site within groundwater, and 250m for the identification of off-Site land uses with the potential for migration of gaseous contamination. These buffers are approximate and may be extended based upon professional judgement where off-Site land uses with significant potential for contamination are identified.

2.4.3 The table below presents a summary of the historical on-site and off-site land uses within each sub-Site and CRC.

Table 2.1 Summary of Land-Use History

| Sub-Site Name            | Summary of Land-Use History   |
|--------------------------|---|
| BESS                     | Mapping dated 1883 shows that the BESS is located within agricultural land. The surrounding land use is similarly agricultural. Further significant changes are not recorded until the 1981 map when an electricity pylon is recorded on the north-western boundary. Further significant changes are not recorded and the BESS and surrounding land remain in agricultural use.   |
| NATIONAL GRID SUBSTATION | Mapping dated 1883 shows that the proposed National Grid Substation Site is agricultural land with the "Site of Former All Saints Church" recorded approximately 190m to the south. The surrounding land use is similarly agricultural. Significant changes are not recorded until the 1981 map when an electricity pylon is recorded in the northern corner of the National Grid Substation Site and the former church is no longer recorded. Subsequent maps and aerial imagery do not record any significant changes and this Site and the surrounding land within 50m remain in agricultural use.   |
| 1A                       | Mapping dated 1883 shows that sub-Site 1A is located within agricultural land. The surrounding land use is similarly agricultural. Subsequent maps and aerial imagery do not record any significant changes and sub-Site 1A and the surrounding land within 50m remain in agricultural use, noting that the former field immediately south-west of this sub-Site has been used since the 1980s as plantation woodland.  |
| 1B                       | Mapping dated 1883 shows that sub-Site 1B is located within agricultural land, with the "Site of Former All Saints Church" recorded in the centre-south of the sub-Site. The surrounding land use is similarly agricultural. Significant changes are not recorded until the 1981 map when an electricity pylon is recorded near the mid-point of the sub-Site's western boundary and the former church is no longer recorded. Subsequent maps and aerial imagery do not record any significant changes and this sub-Site 1B and the surrounding land within 50m remain in agricultural use.   |
| CRC1                     | Mapping dated 1883 shows that CRC1 is located within agricultural land. The surrounding land use is similarly agricultural. Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural use.   |
| CRC2                     | <p>Mapping dated 1883 shows that CRC2 is located within agricultural land. The surrounding land use is similarly agricultural. Willows Farm, Aylmer's Hall (later Walk Farm) and The Lodge (later Lodge Farm) are located immediately north, approximately 50m south and immediately adjacent to the southern boundary of the CRC respectively.</p> <p>Throughout the 20<sup>th</sup> Century additional buildings are constructed off-Site at the adjacent farms.</p> <p>Significant changes are not recorded until 1999 when historical aerial imagery shows a chicken farm (labelled "Poultry Houses" on 2001 mapping, and subsequently as "Lost Lands Farm") is shown to have been constructed approximately 30m north of the CRC, to the west of Willows Farm.</p> |

| Sub-Site Name | Summary of Land-Use History   |
|---------------|---|
|               | Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural use.   |
| 2A            | Mapping dated 1883 shows that sub-Site 2A is located within agricultural land. The surrounding land use is similarly agricultural with the exception of a "Union Workhouse" and a pub located immediately east of the sub-Site's south-eastern corner. The 1946 map edition labels the Workhouse as 'Depwade P.A. Institution.'. By the 1951 map edition, the Institution is shown to have been converted into a hotel and a structure (subsequently identified as a water tower) has been constructed approximately 50m east of the sub-Site's north-eastern corner. The 1983 map records that parts of the hotel have been demolished and additional structures (a chapel, outbuildings etc) constructed adjacent to the hotel. Subsequent maps and aerial imagery do not record any significant changes on-Site and sub-Site 2A and the majority of surrounding land within 50m (with the exception of the hotel which appears to have been converted for residential use) remain in agricultural use.   |
| 2B            | Mapping dated 1883 shows that sub-Site 2B is located within agricultural land. The surrounding land use is similarly agricultural. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and surrounding land remain in agricultural use.   |
| 2C            | Mapping dated 1883 shows that sub-Site 2C is located within agricultural land. The surrounding land use is similarly agricultural with the exception of Wacton Farm which is located within the inset area of land on the sub-Site's western boundary and appears to comprise several small buildings. Wacton Farm remain on mapping until the late 1970s. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and surrounding land remain in agricultural use. The area of the former Wacton Farm is shown to be woodland on contemporary aerial imagery.  |
| CRC3          | Mapping dated 1883 shows that CRC3 is located within agricultural land. The surrounding land use is similarly agricultural. Aylmer's Hall (later Walk Farm) is located approximately 40m to the north. Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural use.  |
| 3A            | <p>Mapping dated 1883 shows that sub-Site 3A is located within agricultural land, woodland and heathland. The surrounding land use is similarly agricultural, woodland and heathland.</p> <p>Significant changes are not recorded until 1979 when the mapping records a disused airfield immediately to the south of the sub-Site and an airfield perimeter road within the sub-Site, parallel to the north-western boundary.</p> <p>Zetica Ltd.'s Unexploded Ordnance Constraints Assessment (Annex 6) and internet searches indicate that this is the former RAF Hardwick<sup>1</sup>. RAF Hardwick was constructed during 1941-1942 and was used by the RAF and US Air Force during WW2. Post-war the station was put into "care and maintenance status" and was closed in 1962. Following closure the hardstands, roads, most of the runways and airfield structures were demolished. A labelled historical aerial photograph of the airfield<sup>2</sup> indicates that multiple aircraft hardstands were present within the sub-Site, with a "bomb dump" and "ammunition dump" located approximately 350m to the north-west, partially within sub-Site 3B. The airfield's main technical site</p> |

<sup>1</sup> [https://en.wikipedia.org/wiki/RAF\\_Hardwick](https://en.wikipedia.org/wiki/RAF_Hardwick)

<sup>2</sup> <https://upload.wikimedia.org/wikipedia/commons/5/54/Hardwickairfield-16apr46.png>

| Sub-Site Name | Summary of Land-Use History   |
|---------------|---|
|               | <p>(hangars, barracks etc.) was located approximately 250m south-east / east of the sub-Site. A fuel store is recorded approximately 300m to the east.</p> <p>Throughout the 1970s to the present-day, woodland was established within the land to the west of the sub-Site in the areas of the former ammunition and bomb dumps.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and surrounding land remain in agricultural use.</p>   |
| 3B            | <p>Mapping dated 1883 shows that sub-Site 3B is located within agricultural land. Two farms and occasional residential properties are present adjacent to the sub-Site's northern boundary. An area of small buildings is recorded near the sub-Site's south-western corner. The surrounding land-use is agricultural and woodland.</p> <p>The former RAF Hardwick airfield is indicated (Annex 6) to have extended partially into the sub-Site. Whilst the main technical site, dispersal hardstands and runways are located to the south-east of sub-Site 3B, the ammunition and bomb dumps associated shown to extend approximately 200m into the south-east of sub-Site 3B.</p> <p>Mapping dated 1979 records additional residential properties adjacent to the sub-Site's northern boundary. The buildings near the south-western corner of the sub-Site and all on-Site structures associated with the former airfield appear to have been demolished.</p> <p>Throughout the 1970s to the present-day, woodland and agricultural land was established within the land to the east of the sub-Site.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and sub-Site 3B and surrounding land remain in agricultural use.</p>   |
| CRC4          | <p>Mapping dated 1883 shows that CRC4 is located within agricultural land. The surrounding land use is similarly agricultural with several farms located within 50m of the CRC boundary. A brick works is recorded immediately north of the CRC, with small areas of excavation (likely clay pits associated with the brick works) present within the CRC, typically within 50m of the off-Site brick works. Two areas of cottages (later labelled Grey Gables and Hollies Farm Cottages) are present in the north of the CRC, to the south of the clay pits.</p> <p>By the early 1950s the brick works is recorded as disused.</p> <p>Mapping dated 1979 shows significant expansion of the barns / sheds at Hollies Farm, located off-Site, within a sub-Site of land that is excluded from the CRC. The potential clay pits in the north of the CRC are no longer recorded and the area of the former brick works appears to have been redeveloped with several sheds, this area is later known as "Brick Kiln Works".</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural use with the exception of the "Brick Kiln Works" immediately north of the CRC. These works appear to currently be used by "Colorcote" who provide grit blasting and powder coating solutions, and by FibreTek Composites who produce fibreglass mouldings and other fibreglass products. Contemporary LIDAR</p> |

| Sub-Site Name | Summary of Land-Use History  |
|---------------|--|
|               | <p>imagery indicates that the small areas of potential clay pits have been infilled.</p>   |
| 4A            | <p>Mapping dated 1883 shows that sub-Site 4A is located within agricultural land. Areas of excavation (likely gravel pits) are recorded approximately 50m north of the sub-Site's north-eastern boundary and 70m west of the sub-Site's western boundary. The surrounding land use is similarly agricultural, or plantation woodland. Subsequent maps and aerial imagery do not record any significant changes until the 1970s when the gravel pits are no longer recorded and shown to be wooded and 2016, by which time a solar farm had been constructed within the field immediately west of the sub-Site. As of 2024, sub-Site 4A and surrounding land (with the exception of the adjacent solar farm) remain in agricultural use.</p>  |
| 4B            | <p>Mapping dated 1883 shows that sub-Site 4B is located within agricultural land. A gravel pit located immediately north of the sub-Site extends through the sub-Site's northern boundary and approximately 30m into the sub-Site. A further gravel pit is recorded 160m to the north, and a clay pit is present approximately 200m to the west of the sub-Site's north-eastern corner. Residential properties, Church Farm and St. Michael's Church are present immediately south of the sub-Site. A further residential property (The Cedars) is present immediately adjacent to the sub-Site's western boundary. The surrounding land use is agricultural.</p> <p>By 1946 the gravel pit in the north of the sub-Site had been extended approximately 50m to the east. The clay pit to the east is no longer labelled.</p> <p>Mapping dated 1976 records the gravel pit in the north of the sub-Site as a refuse tip with an area of approximately 0.5 ha. The section of the gravel pit to the north of the sub-Site and the former clay pit to the east are no longer recorded and may have been infilled.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and sub-Site 4B and surrounding land remain in agricultural use.</p> |
| 5A            | <p>Mapping dated 1883 shows that sub-Site 5A is located within agricultural land. The surrounding land use is similarly agricultural, with a large residential property (Boyland Hall) and its associated grounds located to the immediate north of the sub-Site.</p> <p>Further significant changes are not recorded until 1951 by which time Boyland Hall is shown to have been demolished. By the mid-1970s a chicken farm was constructed within the former grounds immediately north of the sub-Site and a large sand and gravel pit was excavated approximately 160m to the north-west.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and sub-Site 5A and surrounding land remain in agricultural use.</p>   |

| Sub-Site Name | Summary of Land-Use History  |
|---------------|--|
| 5B            | <p>Mapping dated 1883 shows that sub-Site 5B is located within agricultural land. The surrounding land use is similarly agricultural, with occasional residential properties, a farm, a smithy and a church located immediately adjacent to the eastern boundary</p> <p>By the late 1970s the adjacent farm appears to have been extended and the smithy is no longer recorded and is labelled as cottages.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and sub-Site 5B and surrounding land remain in agricultural use.</p>   |
| CRC7          | <p>Mapping dated 1881 shows that CRC7 is located within agricultural land / marshy floodplain. The surrounding land use is similarly agricultural / floodplain with a residential property / farm (Fritton Grange) immediately to the south over the B5127 and a further residential property (Spinney Lodge) is present approximately 40m to the west.</p> <p>Mapping dated 1951 records two circular structures (tanks) in the centre-east of the CRC. By 1959 further tanks, filter beds, drying beds and a pump house are shown in the north-east of the CRC, with this area labelled "sewage works".</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural use, with the exception of the sewage works in the centre-east of the CRC.</p>                                     |
| CRC6          | <p>Mapping dated 1881 shows that CRC6 is located within agricultural land. The surrounding land use is similarly agricultural with several farms and a windmill located within 50m of the CRC boundary. By 1906 the windmill is marked as disused.</p> <p>By 1946 residential properties have been constructed immediately north of the CRC on the southern edge of the village of Hempnall. By the late 1970s further residential properties and an electricity Substation have been constructed immediately north of the CRC and additional residential properties have been constructed within the sub-Site of land excluded from the centre of the CRC, in the area of the former disused windmill.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural or woodland use.</p> |
| CRC5          | <p>Mapping dated 1883 shows that CRC5 is located within agricultural land. A farm (Grange Farm) is present adjacent to the CRC's southern boundary.</p> <p>Significant changes are not recorded until the early 1940s when RAF Hardwick was constructed within the land immediately east of CRC5 (see sub-Site 3A), with a runway extending slightly into the far south-eastern corner of the CRC. Post-war the majority of the airfield was demolished and the land returned to agriculture.</p> <p>Between 1979 and 2001 the original building at Grange Farm immediately south of the CRC was demolished and replaced with the existing barns and sheds.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural use.</p>   |

| Sub-Site Name | Summary of Land-Use History  |
|---------------|--|
| 7A            | Mapping dated 1883 shows that sub-Site 7A is located within agricultural land. The surrounding land use is similarly agricultural. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural use.   |
| CRC11         | Mapping dated 1883 shows that CRC11 is located within agricultural land. The surrounding land use is similarly agricultural. Subsequent maps and aerial imagery do not record any significant changes and the CRC and the surrounding land within 50m remain in agricultural use.  |
| 7C            | Mapping dated 1881 and 1883 shows that sub-Site 7C is located within agricultural land. The surrounding land use is similarly agricultural, or woodland. Grove Farm, Wood Farm and a “moat” are recorded immediately adjacent to the sub-Site’s southern boundary. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural and woodland use.  |
| 7B            | Mapping dated 1881 and 1883 shows that sub-Site 7B is located within agricultural land adjacent to a watercourse, with small areas of woodland present at the western end of the sub-Site. The surrounding land use is similarly agricultural. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural and woodland use.  |
| CRC12         | <p>Mapping dated 1881 shows that CRC12 is located within agricultural land, a property labelled “Mudhole” is present approximately 20m east of the CRC’s north-eastern corner.</p> <p>Notable changes are not recorded until 1999 when historical aerial imagery shows Mudhole to have been demolished.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural and woodland use.</p>  |
| 7D            | <p>Mapping dated 1881 shows that sub-Site 7D is located within agricultural land, a property labelled “Mudhole” is present within the sub-Site, adjacent to the mid-point of the sub-Site’s western boundary. Residential properties, a farm and small areas of woodland are present immediately north of the sub-Site.</p> <p>Mapping dated 1977 shows a field in the east of the sub-Site to be in use as a playing field, with a pavilion and a children’s playground present.</p> <p>Historical aerial imagery dated 1999 does not record the playing field, pavilion and playground, and shows Mudhole to have been demolished.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural and woodland use, with residential use to the north and north-east.</p> |
| 7E to 7L      | Mapping dated 1881 shows that sub-Sites 7E to 7L are located within agricultural land. The surrounding land use is similarly agricultural. Subsequent maps and aerial imagery do not record any significant changes and the sub-Sites and the surrounding land within 50m remain in agricultural and woodland use.   |
| 6             | Mapping dated 1881 shows that Site 6 is located within agricultural land. The surrounding land use is similarly agricultural, with a farm (Firs Farm) located approximately 50m west of the sub-Site’s south-western corner.   |

| Sub-Site Name | Summary of Land-Use History  |
|---------------|--|
|               | <p>Further significant changes are not recorded until the 1970s when a chicken farm is recorded approximately 50m east of the sub-Site's south-eastern corner, with further chicken farm structures constructed immediately east of the sub-Site's north-eastern boundary by 2001.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and surrounding land remain in agricultural use.</p>   |
| CRC8          | <p>Mapping dated 1881 shows that CRC8 is located within agricultural land. The surrounding land use is similarly agricultural. A small area of residential properties are located within a sub-Site of land excluded from the centre of the CRC. Subsequent maps and aerial imagery do not record any significant changes and the CRC and the surrounding land within 50m remain in agricultural use.</p>  |
| CRC10         | <p>Mapping dated 1881 shows that CRC10 is located within agricultural land. The surrounding land use is similarly agricultural. Fylands' Cottages are located approximately 50m to the east of the CRC and Thetford Farm is located immediately east of the CRC. A further property (later labelled Little Fylands Farm) is located approximately 20m west of the CRC.</p> <p>Mapping dated 1978 records Fylands' Cottages have been demolished and replaced by Dawson's Farm. Between 1979 and 1999 the original buildings at Thetford Farm were demolished and replaced by the existing residential property.</p> <p>Historical aerial imagery dated 1999 shows parcel of land immediately west of the CRC and immediately south of Little Fylands Farm potentially being used as a scrapyard, with hundreds of vehicles present. The subsequent image dated 2006 shows the majority of the vehicles to have been removed and the parcel of land appears to subsequently be used as a yard / storage for a limited number of vehicles.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and surrounding land remain in agricultural use.</p> |
| 8A            | <p>Mapping dated 1881 shows that sub-Site 8A is located within agricultural land. The surrounding land use is similarly agricultural or woodland, with residential properties (Fylands' Cottages) located immediately adjacent to the sub-Site's southern corner and Lathgreen Farm located immediately north of the sub-Site.</p> <p>Mapping dated 1978 records Fylands' Cottages have been demolished and replaced by Dawson's Farm.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and surrounding land remain in agricultural use. Dawson's Farm and Lathgreen Farm remain.</p>  |
| 8B            | <p>Mapping dated 1881 shows that sub-Site 8B is located within agricultural land. The surrounding land use is similarly agricultural, or woodland. Grove Farm, Wood Farm and Market Land Farm are recorded immediately adjacent to the sub-Site's southern and eastern boundaries. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural, woodland use. The adjacent farms appear to now be residential properties, with no barns or farmyards evident on contemporary aerial imagery.</p>  |
| CRC13         | <p>Mapping dated 1881 and 1884 shows that CRC13 is located within agricultural land. The surrounding land use is similarly agricultural with Heath Farm (later Ley Farm) and Oldhouse Farm located approximately</p>   |

| Sub-Site Name | Summary of Land-Use History   |
|---------------|---|
|               | <p>20m south and 30m north of the CRC respectively. Brooke Mill (subsequently labelled as Mill Farm) is recorded approximately 50m east of the CRC's eastern boundary.</p> <p>Mapping dated 1978 records that Kings Farm has been constructed immediately south of the CRC, approximately 100m west of Ley Farm, and further structures have been constructed at Mill Farm.</p> <p>Subsequent maps and aerial imagery do not record any significant changes and the CRC and the surrounding land within 50m remain in agricultural use.</p>   |
| 9             | <p>Mapping dated 1884 shows that Site 9 is located within agricultural land. The surrounding land use is similarly agricultural, or woodland. Brooke Mill (subsequently labelled as Mill Farm) is recorded adjacent to the sub-Site's southern boundary. By the 1970s residential properties on the southern edge of the village of Brooke have been constructed approximately 50m north of the eastern half of the sub-Site's northern boundary. Subsequent maps and aerial imagery do not record any significant changes and Site 9 and the surrounding land within 50m remain in agricultural or woodland use.</p>   |
| CRC9          | <p>Mapping dated 1884 shows that CRC9 is located within agricultural land. The surrounding land use is similarly agricultural, or woodland. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural or woodland use.</p>   |
| 10A           | <p>Mapping dated 1884 shows that sub-Site 10A is located within agricultural land. The surrounding land use is similarly agricultural, or woodland. An area of excavation (possible gravel pit) is recorded approximately 120m west of the sub-Site. By the 1970s the former excavation to the west is no longer recorded and is shown as woodland. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural or woodland use.</p>   |
| 10B           | <p>Mapping dated 1884 shows that sub-Site 10B is located within agricultural land. The surrounding land use is similarly agricultural, or woodland. Berry's Farm is located in the centre-north of the sub-Site, with a further farm (Tubgate Farm) present immediately adjacent to the southern boundary.</p> <p>Internet searches show that this sub-Site was formerly occupied by parts of RAF Seething<sup>3</sup>, a former RAF airfield constructed in 1942 – 1943 (requiring the demolition of Berry's Farm) and was used by the RAF and US Army Air Force during WW2. Post-war the majority of the airfield, hardstands and associated structures appear to have been demolished, with parts of two runways remaining some 380m north-east of the sub-Site as Seething Airfield, along with parts of the airfield perimeter road. A labelled historical aerial photograph of the airfield<sup>4</sup> shows that approximately the eastern half of sub-Site 10B was occupied by parts of two runways, aircraft hardstands and the airfield perimeter road. The airfield fuel stores were located approximately 130m to the east, with the main airfield technical site (hangars, barracks etc.) located some 600m to the east.</p> <p>By the 1970s the airfield elements within the site are shown to have been demolished and the land returned to agricultural use. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural or woodland use.</p> |

<sup>3</sup> [https://en.wikipedia.org/wiki/RAF\\_Seething](https://en.wikipedia.org/wiki/RAF_Seething)

<sup>4</sup> [https://en.wikipedia.org/wiki/RAF\\_Seething#/media/File:Seethingairfield-16oct1945.png](https://en.wikipedia.org/wiki/RAF_Seething#/media/File:Seethingairfield-16oct1945.png)



| Sub-Site Name | Summary of Land-Use History  |
|---------------|--|
| 10C           | <p>Mapping dated 1884 shows that sub-Site 10C is located within agricultural land. The surrounding land use is similarly agricultural.</p> <p>During WW2 an airfield (RAF Seething) was constructed partly within the adjacent sub-Site 10B. A labelled historical aerial photograph of the airfield shows a road leading west from the airfield labelled “<i>To Bomb Dump</i>”. A review of further historical aerial imagery available through Historic England<sup>5</sup> shows a series of structures at the end of this road, several of which are immediately adjacent to sub-Site 10C and some of which are located just within the boundary of sub-Site 10C. These structures are assumed to be the “<i>Bomb Dump</i>” associated with RAF Seething.</p> <p>Mapping dated 1973 records the potential bomb dump structures adjacent to the sub-Site’s northern boundary. Historical aerial imagery dated 1999 shows that both the on-site and off-site bomb dump structures have been demolished. By 2011 the potential bomb dump has been returned to agricultural use. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural or woodland use.</p> |
| 10D           | <p>Mapping dated 1884 shows that sub-Site 10D is located within agricultural land. The surrounding land use is similarly agricultural, or woodland.</p> <p>Significant changes do not appear to have occurred until the early 1940s when the sub-Site was occupied by aircraft hardstands, part of a runway, and a perimeter road associated with the former RAF Seething (see sub-Site 10B). The land surrounding the sub-Site was in similar airfield use at this time to the south and east, and agricultural use to the north and west.</p> <p>By the 1970s the airfield elements within and adjacent to the sub-Site are shown to have been demolished and the land returned to agricultural use. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural or woodland use.</p>   |
| 10E           | <p>Mapping dated 1884 shows that sub-Site 10E is located within agricultural land. The surrounding land use is similarly agricultural, or woodland, with a residential property immediately south of the sub-Site over Dairy Lane.</p> <p>Significant changes do not appear to have occurred until the early 1940s when the sub-Site was occupied by aircraft hardstands associated with the former RAF Seething (see sub-Site 10B). The residential property to the south of the sub-Site appears to have been demolished to allow the airfield to be constructed. The land surrounding the sub-Site was in similar airfield use at this time. A labelled historical aerial photograph of the airfield shows that an airfield fuel store was located approximately 90m to the east of the sub-Site.</p> <p>By the 1970s the airfield elements within and adjacent to the sub-Site are shown to have been demolished and the land returned to agricultural use. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural or woodland use.</p>  |

<sup>5</sup> [https://historicengland.org.uk/images-books/archive/collections/aerial-photos/record/raf\\_106g\\_uk\\_930\\_rp\\_3082](https://historicengland.org.uk/images-books/archive/collections/aerial-photos/record/raf_106g_uk_930_rp_3082)

| Sub-Site Name | Summary of Land-Use History   |
|---------------|---|
| CRC14         | <p>Mapping dated 1884 shows that CRC14 is located within agricultural land. The surrounding land use is similarly agricultural. A series of small buildings are located within the CRC adjacent to the mid-point of the northern boundary. Tubgate Farm is located approximately 20m to the east of the CRC.</p> <p>Significant changes do not appear to have occurred until the early 1940s when the sub-Site was occupied by aircraft hardstands, runways and a perimeter road associated with the former RAF Seething (see sub-Site 10A). The properties in the north of the CRC and the adjacent Tubgate Farm appear to have been demolished to allow the airfield to be constructed. The land surrounding the CRC was in similar airfield use at this time.</p> <p>By the 1970s the airfield elements within and adjacent to the sub-Site are shown to have been demolished and the land returned to agricultural use. Subsequent maps and aerial imagery do not record any significant changes and the sub-Site and the surrounding land within 50m remain in agricultural or woodland use.</p> |

## 2.5 Review of Database Searches

2.5.1 Information on the industrial setting, and pertinent Environmental Regulation Permits and authorisations for the site and the immediate environs is presented in the Groundsure Report (GS, 2022) and reproduced in **Annex 2**. The results of the database search are summarised in the following tables and discussed in the following sections.

Table 2.2 Summary of Selected Industrial Setting

| Data Type  | Number on Site <sup>(1)</sup> | Number within 100m of Site <sup>(1)</sup> | Number within 250m of Site <sup>(1)</sup> |
|--|-------------------------------|---|---|
| <b>Waste Regulation</b>  |                               |   |   |
| Landfill Sites   | 0 (1)                         | 0 (2)                                     | 0 (0)                                     |
| Licensed Waste Management Facilities                           | 0 (0)                         | 0 (1)                                     | 4 (0)                                     |
| <b>Statutory Permits/Authorisations</b>                        |                               |   |   |
| Pollution Prevention and Control <sup>(2)</sup>                | 0 (0)                         | 0 (0)                                     | 0 (0)                                     |
| Registered Radioactive Substances                              | 0 (0)                         | 0 (0)                                     | 0 (0)                                     |
| Planning Hazardous Substance Consents                          | 0 (0)                         | 1 (0)                                     | 0 (0)                                     |
| COMAH Sites <sup>(3)</sup> and NIHHS Sites <sup>(4)</sup>      | 0 (0)                         | 0 (0)                                     | 0 (0)                                     |
| <b>Potential Contaminative Uses</b>                            |                               |   |   |
| Petrol Stations & Garages                                      | 0 (0)                         | 3 (0)                                     | 0 (0)                                     |
| Relevant Historical and Recent Industrial and Energy Land Uses | 0                             | Multiple                                  | Multiple                                  |
| Discharge Consents   | 0 (2)                         | 3 (4)                                     | 4 (8)                                     |
| <b>Pollution Records</b>                                       |                               |   |   |
| Contaminated Land Register Entries and Notices                 | 0                             | 0   | 0   |

| Data Type   | Number on Site <sup>(1)</sup> | Number within 100m of Site <sup>(1)</sup> | Number within 250m of Site <sup>(1)</sup> |
|---|-------------------------------|---|---|
| Pollution Incidents to Controlled Waters  | 1                             | 3   | 5   |
| <p><b>Note:</b></p> <p>1) Numbers in brackets denotes number of authorisations, licences or permits that are lapsed, revoked, cancelled, superseded, defunct, surrendered, not applicable, withdrawn or not yet started.</p> <p>2) Includes Integrated Pollution Controls, Integrated Pollution Prevention and Control, Local Authority Integrated Pollution Prevention and Control and Local Authority Pollution Prevention and Control permits.</p> <p>3) COMAH denotes Control of Major Accident Hazards</p> <p>4) NIHHS denotes Notification of Installations Handling Hazardous Substances</p> |                               |   |   |

## Landfills

- 2.5.2 **On Site** - A single historical landfill is recorded on-Site, in the north-east of CRC5. The Groundsure Report states that this landfill, named “Off West side of Shelton Airfield Disused” was operated by “D F Jackson – Depwade Rural District Council” between 1968 and 1975 and received inert, commercial and liquid sludge wastes. The landfill extends approximately 70m into CRC5.
- 2.5.3 Whilst not recorded by the EA as an historical landfill, a former ‘refuse tip’ is identified in the north of sub-Site 4B from historical OS mapping. Prior to use as a refuse tip a gravel pit was recorded on mapping up until the mid-1940s. Mapping dated 1976 records the gravel pit as a refuse tip, with an area of approximately 0.5 ha.
- 2.5.4 **Off Site** – The above-described landfill is also located approximately 100m north-west of sub-Site 3A and approximately 160m south of sub-Site 3B.
- 2.5.5 A further landfill (“Off B1135”) is located approximately 100m north-west of sub-Site 5A and approximately 170m north of CRC6. The Groundsure Report states that this landfill was operated by Norfolk County Council between 1982 and 1990 and received domestic and commercial wastes. The landfill is indicated to benefit from landfill gas control measures.
- 2.5.6 **Summary** – Both of these landfills and the former refuse tip will be taken forwards for assessment as Potential Sources of Contamination (SPC).

## Licensed Waste Management Facilities

- 2.5.7 The Groundsure Report records that there are no currently licenced (or formerly licenced) waste management facilities on the Site. The following features have been identified within 250m of the Site.
- A former car breaker’s yard was present immediately west of CRC10 and was operated between approximately 1974 and 1995. This yard appears to

be co-incident with the large area of vehicle storage identified during the historical mapping review.

- A vehicle salvage yard and two metals recycling facilities are recorded approximately 120m west of CRC14 (also approximately 200m north of sub-Site 10D and 180m south of sub-Site 10E). These facilities appear to have been first permitted in 1995, allowing the recycling of metals and the dismantling of vehicles.
- A household waste recycling centre / waste transfer station is recorded approximately 250m north of CRC4. This facility is stated to have begun operation in 1993 and continues to be operated to the present-day under environmental permit EA/EPR/BB3208MH/T001 by Norfolk Environmental Waste Services Ltd.

2.5.8 **Summary** – The former car breakers yard immediately adjacent to CRC10 will be taken forwards for assessment as a SPC. The salvage yard, metals recycling facilities and household waste recycling centre will not be taken forwards for assessment as SPCs as the geology (see Section 3) at these locations (typically the functionally impermeable cohesive Diamicton) is such that there is not a credible migration pathway between the SPC and the Site, and therefore the SPCs do not present a credible hazard.

## Planning Hazardous Substances Consents

2.5.9 The Groundsure Reports that there are three Hazardous Substances Consents within 250m of the Site, all of which are located approximately 140m west of CRC14 (also approximately 180m north of sub-Site 10D and 200m south of sub-Site 10E). These consents allow the “Storage of Hazardous Substances” by Firman & Sons Ltd., Frontier Agriculture Ltd., and Gas Power Services Ltd. Of the three consents, details of substances are provided only the third (ref: 1198/1198), indicated to be “Storage of 100 tonnes of liquid petroleum”.

2.5.10 **Summary** - These consents will not be taken forwards for assessment as SPCs as the geology at these locations (the functionally impermeable cohesive Diamicton) is such that there is not a credible migration pathway between the SPC and the Site, and therefore the SPCs do not present a credible hazard.

## Petrol Stations and Garages

2.5.11 A “motorsport body shop” is located immediately north of sub-Site 5A. A review of the website for the company (ES Motorsport) shows that vehicle servicing and repair is undertaken at this garage.

2.5.12 A complex of sheds is located immediately south of the north-eastern end of CRC6. Internet searches show that this complex is occupied a garage (Harvey Lane Garage), motor salvage / vehicle breakers yards, and an insulation provider.

2.5.13 A further garage is recorded approximately 100m north-west of CRC6. Cunningham's Garage appears (from a review of contemporary streetview imagery) to be a small, local garage offering vehicle servicing and repair.

2.5.14 **Summary** – On the basis of the distance between Cunningham's Garage and the Site and the small-scale nature of the operation, this garage will not be taken forwards for assessment as a SPC. The garage immediately north of sub-Site 5A and the garage / vehicle salvage complex located immediately south of CRC6 will be taken forwards for assessment as a SPC.

## Relevant Historical and Recent Industrial and Energy Land Uses

2.5.15 The historical and recent relevant industrial and energy land uses within 250m of the Site are described below.

### On Site.

- Sub-Site 3A - Former RAF Hardwick - A WW2-era airfield, RAF Hardwick, was constructed in sub-Site 3A (and immediately adjacent to CRC5) during 1941-1942 and was used by the RAF and US Air Force during WW2. A labelled historical aerial photograph of the airfield indicates that multiple aircraft hardstands were present within the sub-Site. Post-war the station was put into "care and maintenance status" and was closed in 1962. Following closure, the hardstands, roads, most of the runways and airfield structures were demolished. By the 1970s the airfield elements within the site are shown to have been demolished and the land returned to agricultural use.
- Sub-Sites 10B to 10E and CRC14 - Former RAF Seething – A WW2-era airfield, RAF Seething, was constructed in sub-Sites 10B, 10C, 10D, 10E and CRC14 in 1942 – 1943 and was used by the RAF and US Army Air Force during WW2. Post-war the majority of the airfield, hardstands and associated structures appear to have been demolished. A labelled historical aerial photograph of the airfield shows that approximately the areas of airfield within the Site comprised runways, aircraft hardstands and the airfield perimeter road. The airfield fuel stores were located approximately 130m to the east. By the 1970s the airfield elements within the site are shown to have been demolished and the land returned to agricultural use.
- CRC7 - Sewage Works – Mapping dated 1951 records two circular structures (tanks) in the centre-east of CRC7. By 1959 further tanks, filter beds, drying beds and a pump house are shown in the north-east of the CRC, with this area labelled "sewage works". Contemporary historical aerial imagery shows the sewage works to still be present.

2.5.16 **Off-Site.** There are multiple historical industrial and energy land uses identified within 250m of the Site. These typically relate to small-scale historical uses such as smithys and more recent small-scale / localised uses such as farms, substations etc. Notable land uses are described below:

- North of sub-Site 5A - A “motorsport body shop” is located immediately north of sub-Site 5A. A review of the website for the company (ES Motorsport) shows that vehicle servicing and repair is undertaken at this garage.
- West of CRC10 - A former car breaker’s yard was present immediately west of CRC10. Historical aerial imagery dated 1999 shows the land to be in use as a scrapyards, with hundreds of vehicles present. The subsequent image dated 2006 shows the majority of the vehicles to have been removed and the sub-Site of land appears to subsequently be used as a yard / storage for a limited number of vehicles.
- West of CRC14 and north of sub-Sites 10B and 10D – Various commercial uses within land at former RAF Seething. Post-WW2, a small area of aircraft hardstands and sheds at RAF Seething adjacent to the west of CRC14 and immediately north of sub-Site 10D, was not demolished. By the 1990s this area appears to have been in use as a vehicle salvage yard, with subsequent development during the 2000s adding further sheds and uses such as metal recycling, a timber yard and a supplier of marine equipment.
- South-east of sub-Site 3A - Hardwick Airfield (the remaining parts of the former RAF Hardwick) is present immediately east of sub-Site 3A. The airfield within 250m of sub-Site 3A comprises runways, a perimeter road and areas of open / agricultural land.
- Sub-Sites 10B, 10E and CRC14 - Seething Airfield – (the remaining parts of the former RAF Seething) is present immediately east of sub-Sites 10B and 10E, and CRC14. The airfield within 250m of the Site comprises runways, a perimeter road and agricultural land.
- North of CRC4 – Former brick works / current commercial site – Mapping dated 1883 records a brick works is recorded immediately north of the CRC, with small areas of excavation (likely clay pits associated with the brick works) present within the CRC. By the early 1950s the brick works is recorded as disused. Subsequent mapping records the area of the former brick works appears to have been redeveloped with several sheds, this area is later known as “Brick Kiln Works”. These works appear to currently be used by “Colorcote” who provide grit blasting and powder coating solutions, and by FibreTek Composites who produce fibreglass mouldings and other fibreglass products.
- The heritage consultants for the Scheme have identified a potential aircraft “takeoff incident” at the former RAF Seething in sub-Site 10B. Details of this incident are not available and are limited to a single marked-up plan<sup>6</sup>.

**2.5.17 Summary** – The on-Site sewage works in CRC7 will be taken forwards for assessment as a SPC. The historical airfield uses will not be taken forwards for assessment as SPCs as the historical land use review indicates that the on-Site airfield uses were typically confined to runways, perimeter road, aircraft

<sup>6</sup> <https://www.nationaltransporttrust.org.uk/heritage-sites/heritage-detail/seething-airfield>

hardstanding or open / agricultural land between these features (all of which are considered to be very low risk uses). In addition, all of the on-Site airfield infrastructure was demolished post-war and has since been used as agricultural land for at least 50 years. It should be noted that the UXO hazard remains and is assessed separately.

2.5.18 The off-Site ES Motorsport garage immediately north of sub-Site 5A and the former breakers yard immediately west of CRC10 will be taken forwards for assessment as SPCs. The off-site commercial uses to the west of CRC14 will not be taken forwards for assessment as SPCs as the geology at these locations (the functionally impermeable cohesive Diamicton) is such that there is not a credible migration pathway between the SPCs and the Site, and therefore the SPCs do not present a credible hazard. Seething and Hardwick airfields will not be taken forwards as SPCs as the land uses within 250m of the Site are limited to roads, runways and agricultural land.

2.5.19 The aircraft “takeoff incident” has not been taken forwards for assessment as a SPC as it is considered that any contamination resulting from this incident would have been short-lived (e.g. fuels would have combusted), very small-scale (e.g. any point sources such as radium used on aircraft dials), likely to have been recovered following the incident or post-war decommissioning of the airfield prior to restoration to agricultural use, and following at least 50 years of agricultural use, would now be very widely dispersed by ploughing such that the original source would not be able to be located.

## Discharge Consents

2.5.20 The Groundsure Report ([Annex 2](#)) indicates that there are no active permitted discharge consents within the Site.

2.5.21 Two historical discharge consents were located within the Site, both of which permitted the release of treated sewage effluent to surface water. These consents were revoked in 1984 and 1996.

2.5.22 The active discharge consents within 250m of the Site all similarly permit the release of treated sewage effluent or surface water run-off to surface water or groundwater.

2.5.23 The off-site discharge consents will not be taken forwards for assessment as SPCs as they were either revoked at least 25 years ago or relate to the discharge of treated sewage effluent to water – considered to not present a hazard to the Site.

## Pollution Incidents

2.5.24 The Groundsure Report ([Annex 2](#)) indicates that there has been only a single substantiated pollution incident within the Site. This incident (ref: 69328) occurred in 2002 and involved the release of fire-fighting run-off. The EA classified this incident as Category 3 (Minor) in respect of impacts to water, land

and air. The location of this incident appears to correlate to the sewage works located in CRC7.

2.5.25 The off-site pollution incidents within 250m of the Site occurred mostly between 2000 and 2003 and involved the release of agricultural wastes and slurry, vehicle washings or tyres and are classified as Category 3 (Minor). A single Category 2 (Significant) incident occurred approximately 250m north of CRC4 in 2002 involving the release of “containers”.

2.5.26 The on-site pollution incident in CRC7 will be taken forwards for assessment as a SPC due to the potential presence of poly- and per-fluoroalkyl substances (PFAS) within firefighting run-off. PFAS are very long-lived in both the soil and water environments so may still be present in the ground at the location of the incident.

2.5.27 The off-site pollution incidents will not be taken forwards for assessment as SPCs as they are typically ‘minor’ and involved releases of substances that are unlikely to persist after 20 years.

## 2.6 Regulatory Enquiries

### South Norfolk and Broadland District Council

2.6.1 A request for information was sent to South Norfolk and Broadland District Council in relation to the historical land use of the Site, private water abstractions, and other available geo-environmental related information.

2.6.2 A copy of the Council’s response is provided in **Annex 4**, and confirms that:

- No land on or within 250m of the Site has been formally determined as Contaminated Land as defined in Part 2A of the Environmental Protection Act 1990 (as amended).
- There are 35 private water supplies registered pursuant to the provisions of the Private Water Supply Regulations 2016 within 250m of the Site. The Council were unable to provide co-ordinates for these abstractions and have instead provided a marked-up plan showing the approximate locations of the abstractions. The strata from which these private water supplies abstract water was not provided. Private water supplies are located in proximity to the following CRC and sub-Sites.
  - Substation.
  - 1A, 2B, 3A, 3B, 6, 7A, 7B, 7C, 7D, 7F, 7I, 8A, 8B, 10E.
  - CRC1, CRC2, CRC4, CRC7, CRC8, CRC10, CRC11, CRC13.
- The Council do not hold any other relevant ground conditions information.



- 2.6.3 It is noted that, of the private water supplies indicated above, the majority are located in areas where the underlying superficial geology comprises the Diamicton. The exceptions are the private water supplies in the vicinity of sub-Sites 7A, 7B, and 7C, and CRCs 7, 8 and 11, which are located in areas which are partly (or wholly in the case of sub-Site 7B) underlain by the Leet Hill Gravel Member, and to a lesser extent by Alluvium, Peat and River Terrace Deposits.
- 2.6.4 It is considered highly unlikely that the predominantly cohesive Diamicton is sufficiently water-bearing to allow reliable abstraction, even for small-scale residential use. It is assumed that these private water supplies abstract from either the Chalk or the Crag Group at depth.
- 2.6.5 On-Site Potential Sources of Contamination (see Section 5) within 250m of the private water supplies in the vicinity of sub-Sites 7A, 7B, and 7C, and CRCs 7, 8 and 11 are limited to the Sewage Treatment Works located in CRC7. The Sewage Treatment Works is located approximately 400m from the nearest structure within the area of private water supplies. On this basis, groundwater as a resource within sub-Sites 7A, 7B, and 7C, and CRCs 7, 8 and 11 will not be taken forwards for assessment as a receptor.
- 2.6.6 The National Grid Substation may utilise piled foundations which could (subject to ground investigation and design) penetrate through the Diamicton into the Chalk. The nearest structure to the BESS is located approximately 150m to the north-west. On this basis, groundwater as a resource in proximity to the BESS will be taken forwards as a receptor for assessment.

## Environment Agency

- 2.6.7 A further request for information was sent to the Environment Agency requesting information in relation to the historical land use of the Site and other available geo-environmental related information.
- 2.6.8 A copy of the EA's response is provided in **Annex 5**, and confirms that:
- The EA is aware of only two historical landfills within 250m of the Site – “Off West Side of Shelton Airfield Disused” and “Off B1135”. These are described in the section above. The EA state *“as none of the landfill sites are current, there is no monitoring information to provide. We do not hold any monitoring information for the historic landfills”*.
  - The EA has not issued any environmental permits relating to waste management in addition to those described in the section above.
  - There are fifteen active IPPC authorisations within 250m of the Site. A review of the spreadsheet provided by the EA shows that thirteen of these relate poultry farms, with the remaining two relating to “Medium Combustion Plant” (i.e. a backup generator). Given the locations of these IPPCs and the form of development within the Site, these IPPCs are not considered to present a hazard.

- *“According to our records, there are no prosecutions, enforcement or prohibitions for the area”.*
- *“According to our records, there are no abstraction licenses within the shapefile area and none within a 250m buffer”.*
- *“We have no specific information on animal burials. We suggest you contact the Animal and Plant Health Agency (who enforce the Animal By-Product Regulations), or the Local Authority”.*

## Animal and Plant Health Agency

2.6.9 As suggested by the EA, the APHA have been contacted for information relating to animal burials. A copy of the APHA’s response is provided in **Annex 5**, and states that *“There is no register of animal burial sites to assist with your enquiry therefore the Animal & Plant Health Agency is not in a position to give reassurance in respect of the suitability of the land in question”.*

## 2.7 Review of Unexploded Ordnance Risk

### UXO Desk Study and Constraints Assessment

2.7.1 A UXO Desk Study and Constraints Assessment has been produced for the Scheme. A copy of the assessment is provided in **Annex 6** and should be read in conjunction with this report. The findings of the assessment are summarised below:

- 2No. historical airfields (RAF Hardwick and RAF Seething are present within the Scheme, as previously discussed.
- *“During WWII, at least 9No. aircraft crashed in and within close proximity to the Area of Search. Given the 2No. USAAF bomber command stations encroached onto the Area of Search ... these crashes were predominantly bomber aircraft... Some of the WWII crashes may have had live munitions on board, which could have scattered across a wide area. This would typically have comprised Small Arms Ammunition (SAA) for machine guns, and cannon shells for those aircraft arms with cannons. Some of the crashed aircraft may also have been carrying a bomb load, potentially resulting in Unexploded Bombs (UXBs) falling on or near the crash site”.*
- *“Post-WWII at least 1No. aircraft crashed in close proximity of the Area of Search. These crash sites were usually more thoroughly cleared and are less likely to have munitions on board that could remain undetected in the ground”.*
- *“No records have been found to suggest that any pillboxes, AT obstacles, or spigot mortar emplacements were established in the Area of Search. Records have been found to indicate that 1No. pillbox was established at Rookery Farm (TM 190874) approximately 0.4km east of the Area of Search”.*

- *“No records of Home Guard training taking place in or within the vicinity of the Area of Search have been found”.*
- *“During WWI and WWII there were no AA batteries recorded in the Area of Search. 1No. AA Searchlight was recorded at Morningthorpe (TM 219918), approximately 0.6km east of the Area of Search. Searchlight emplacements typically consisted of a small ring-ditch to provide shelter during an air raid, a predictor emplacement for calculating the range and height of targets, an Light AA (LAA) machine gun pit, a generator, and hutted accommodation.*
- *“During WWII 1No. bombing decoy was located within the Area of Search”.*
- *“No records of WWI bombing in the Area of Search have been found”.*
- *“The areas surrounding the Area of Search were subjected to the occasional ‘tip and run’ bombing raids and aircraft jettisoning bombs on their return flights from strategically important targets further inland. Given the number of USAAF airfields in and within close proximity to the Area of Search, many US aircraft jettisoned their bombs before returning to their airfields, some of which were recorded in and within close proximity of the Area of Search. It should be noted that although rural areas were bombed less heavily than urban districts, Air Raid Precaution (ARP) records may under-represent the number and frequency with which bombs fell in rural areas”.*
- *“An indicative list of the more significant air raid incidents in and within close proximity to the Area of Search given below.*
  - *6th August 1941 - 10No. High Explosive (HE) bombs fell on Wood Green Farm, Long Stratton, in the Area of Search.*
  - *9th May 1944 - 7No. 1000lb HE US bombs were jettisoned on open ground near Lime Tree Farm, in the Area of Search. These were recorded as Unexploded Bombs (UXBs). The UXBs were taken to RAF Hardwick and disposed of.*
  - *30th May 1944 - 1No. 500lb HE US bomb was jettisoned on open land near Hardwick, in the Area of Search. This was recorded as a UXB and taken to RAF Tibbenham, approximately 1.6km east of the Area of Search, for disposal. 16No. HE US bombs jettisoned on open ground near Sneath Common, approximately 0.4km west of the Area of Search. These were recorded as UXBs and taken to RAF Tibbenham for disposal”.*
- *“In general, the WWII bombing densities across the Area of Search were low and it is considered unlikely that a significant UXB hazard exists for the majority of the area. There is the potential for discrete areas to have had a higher WWII bombing density than the regional averages, particularly around military establishments. These areas would be more precisely defined in a detailed UXO Desk Study and Risk Assessment for the chosen route”.*

- 2.7.2 On the basis of the above, a plan has been produced, showing zoned areas of UXO hazard constraint level within the Scheme boundary and is provided in **Annex 6**. Moderate hazard constraint levels are shown to be present in CRC4, CRC8, CRC10, CRC11, Site 7F, Site 7G and Site 7H. High hazard constraint levels are shown in CRC5, CRC14, Site 3A, Site 3B, Site 10B, Site 10C, Site 10D and Site 10E.
- 2.7.3 The UXO study concludes that *“where possible, the proposed route corridor options should be diverted around the identified UXO hazard constraints... once a preferred route option(s) has been selected, it is recommended that a detailed UXO desk study is commissioned to confirm the UXO hazard level along the route... where a potential UXO hazard is identified by the desk study and risk assessment, UXO risk mitigation measures will be recommended for the intended types of development and common working practices”*.

## 3 Environmental Setting

### 3.1 Introduction

3.1.1 Information on the environmental setting is used to inform the Ground Stability Risk Assessment presented in **Section 4** and to identify potential pathways and receptors as part of the Tier 1 (geoenvironmental) risk assessment presented in **Section 5**.

### 3.2 Geology

#### Published Maps

3.2.1 The following British Geological Survey (BGS) 1:50,000 scale geological map of England and Wales have been reviewed, alongside the BGS' GeoIndex online map viewer.

- Sheet 161, Norwich (Solid and Drift), 1975.
- Sheet 162, Great Yarmouth (Quaternary and Pre-Quaternary Geology), 1991.
- Sheet 175, Diss (Solid and Drift), 1989.
- Sheet 176, Lowestoft (Solid and Drift), 1996.

3.2.2 Collectively, the above maps indicate that the ground conditions at the Site comprise the following.

#### Superficial Deposits

3.2.3 The superficial deposits present at the Site as recorded by the BGS, are described in the table below and are shown on **Figure 2**.

Table 3.1 Superficial Deposits Present on-Site, as Recorded by the BGS

| Stratum                         | Description   | Present Within sub-Sites / CRCs   |
|---------------------------------|---|---|
| Lowestoft Formation - Diamicton | The Lowestoft Formation of the Anglian stage glaciation includes a variable sequence of granular deposits (the Sand and Gravel) and cohesive material (the Diamicton, which is a pebbly chalky clay). In its unweathered state the cohesive material comprises typically bluish grey, variably sandy and silty clay, with abundant flint and chalk gravel. At surface the material may be decalcified, weathering to yellowish brown or brownish grey with a noticeable absence of chalk. The whole is generally stiff although it may contain or overlie other glacial | BESS, Substation, 1A, 1B, 2A, 2B, 2C, 3A, 3B, 4A, 4B, 5A, 6, 7A, 7B 7C, 7D, 7E, 7F, 7G, 7H, 7I, 7J, JK, 7L, 8A, 8B, 9, 10A, 10B, 10C, 10D, 10E. |

| Stratum   | Description   | Present Within sub-Sites / CRCs          |
|---|---|--|
|   | materials which can be very much softer. Bands of sand and gravel may be found within or above the general sequence and can often be water bearing.   | CRCs 1 to 14.                            |
| Lowestoft Formation – Sand and Gravel   | More substantial granular deposits are also present in the Lowestoft Formation. Although such materials are commonly associated with the Diamicton, they can be found separately as a result of deposition by glacial meltwater. Consequently, the sand and gravel may vary in grading according to the previous depositional setting. The materials derived from glacial deposits may have travelled long distances and therefore contain exotic material, however, the bulk has been found to comprise predominantly flint. | 4A                                       |
| Leet Hill Sand and Gravel Member  | The BGS describe this stratum as “ <i>stratified and channelled proximal glaciofluvial outwash deposits. Lithologically, the gravels are rich in flint and quartzose clasts, and contain erratics of northern provenance including Old Red Sandstone, basaltic porphyry, dolerite and Carboniferous limestone</i> ”.  | 4B, 5A, 5B, 7B, 7C,<br>CRC6, CRC7, CRC8. |
| Head  | The BGS describe this stratum as “ <i>gravel, sand and clay depending on upslope source and distance from source. Locally with lenses of silt, clay or peat and organic material</i> ”.   | 5A.<br>CRC4, CRC6, CRC8                  |
| Alluvium  | The BGS describe this stratum as “ <i>normally soft to firm consolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel</i> ”.   | 7A.<br>CRC6, CRC7.                       |
| Peat  | The BGS describe this stratum as “ <i>a partially decomposed mass of semi-carbonized vegetation which has grown under waterlogged, anaerobic conditions, usually in bogs or swamps</i> ”.   | CRC7.                                    |
| River Terrace Deposits  | The BGS describe this stratum as “ <i>sand and gravel, locally with lenses of silt, clay or peat</i> ”.   | CRC6.                                    |
| Happisburgh Glacigenic Formation and Lowestoft Formation (Undifferentiated – Clay and Silt) | The BGS describe this stratum as “ <i>clay, sand and silty clay with subsidiary diamicton, gravel and silt</i> ”.   | CRC6, CRC8.                              |

- 3.2.4 As shown on **Figure 2**, the predominant superficial deposit across the extent of the Site is the Lowestoft Formation – Diamicton, being encountered at the surface in all sub-Sites except 7B where it is likely to be present but overlain by the Leet Hill Sand and Gravel Member.
- 3.2.5 In the majority of the sub-Sites / CRCs the Lowestoft Formation - Diamicton is the only superficial deposit encountered.
- 3.2.6 In the approximate centre of the Site is a valley that extends between Tasburgh and Hempnall. At the base of the valley are multiple streams and watercourses that join and flow towards the west as a tributary of the River Tas. Superficial deposits associated with these watercourses, namely Alluvium, Peat and River

Terrace Deposits are present within the valley, and associated smaller valleys. Head Deposits, commonly associated with downslope movement of soils are also locally present within valley features.

## Bedrock Geology

3.2.7 The bedrock geology present at the Site as recorded by the BGS is described in the table below and presented on **Figure 3**.

Table 3.2 Bedrock Geology Present on the Site, as Recorded by the BGS

| Stratum   | Description   |
|---|---|
| Crag Group – Sand and Gravel  | The BGS describe the Crag Group as “ <i>sands, gravels, silts and clays. The sands are characteristically dark green from glauconite but weather bright orange with haematite 'iron pans'.</i> ”  |
| Norwich Crag Formation  | The Norwich Crag Formation is a localised member of the Crag Group and is described by the BGS as “ <i>a widespread sheet of well sorted, fine- to medium-grained micaceous, glauconitic, locally shelly sands.</i> ”   |
| Undifferentiated chalk deposits of the Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation and Portsdown Chalk Formation | <p>The White Chalk Subgroup is a carbonate rock made up from the debris of microfossil skeletal material laid down during the Cretaceous Period. It contains beds of flint nodules, which developed during early diagenesis. It is also very susceptible to freeze-thaw action and its upper levels may show the evidence of severe disruption and fracturing as a result of the climatic changes in the geological past. Besides an increase in the frequency of fracturing this disruption also allowed an increase in the moisture content producing a softer material, generally referred to as 'putty chalk'. In the disrupted state the chalk was subject to remoulding and transport by hillslope processes and may have produced a mantle of material very different to the underlying intact material.</p> <p>Weathering effects can manifest in the form of dissolution features where the flow of water has historically been concentrated in certain areas, for example, along joints. Such features are not uncommon in East Anglia and are often present as distinct solution pipes partially or wholly infilled with the unconsolidated superficial deposits. Where only partially infilled, meta-stable cavities may be present. The hydrogeological behaviour of the Chalk is strongly influenced by weathering, which may extend to depths of several metres.</p> |

3.2.8 As shown on **Figure 3**, the Chalk deposits are present immediately beneath the superficial deposits in sub-Sites 1A (all except south-eastern corner), 1B (northern half only), 2B, 2C, 4A, 4B, 7A, 7C (western quarter only) and CRCs 2 (north-eastern third only), 3 (northern half only), 4 (majority of CRC except south-eastern and north-eastern corners) and 11.

3.2.9 Across the remainder of the Site, the Crag Group is present immediately beneath the Superficial Deposits.

3.2.10 It is noted that the Crag Group overlies the Chalk, and therefore the Chalk is present at depth in areas where the Crag Group is present.

## Historical BGS Borehole Records

3.2.11 The BGS' archive of exploratory hole records has been reviewed.

3.2.12 Across the majority of the Site there are no BGS archive boreholes within a suitable distance such that the ground conditions encountered within the boreholes could be judged to be representative of the conditions likely to be present at the Site.

3.2.13 Where suitable exploratory holes have been identified, the ground conditions encountered in these holes have been summarised in the following tables. As the geology at the Site varies spatially the Site has been split into sections, with a table presented for each section.

Table 3.3 Ground Conditions Encountered in BGS Archive Exploratory Holes in the Vicinity of BESS, Substation, 1A, 1B, CRC1, CRC2, 2A, 2B and 2C and the Southern Half of CRC4.

| Stratum  | Depth to Top (m) | Thickness (m)            | Description  |
|--|------------------|--------------------------|--|
| Topsoil  | 0.0              | 0.3                      | "Topsoil"  |
| Lowestoft Formation - Diamicton  | 0.0 to 0.3       | 19.5 to 31.6             | Initially "yellow clay" (weathered Diamicton) becoming "blue clay with chalk stones" by 3.6 m to 4.2 m below ground level (bgl). |
| Lowestoft Formation - Sand and Gravel  | 21.6 to 27.4     | 7.6 to 12.2              | "Red sand", "gravel"   |
| Norwich Crag Formation (where present)   | 22.8 to 32.0     | 2.7 to 6.1               | "Gravel", "sand", "grey sand – shells", "black sand and stone"   |
| Chalk  | 26.8 to 32.0     | > 22.8 (base not proved) | "Chalk"  |
| Notes:<br>The following BGS exploratory archive boreholes were reviewed to produce the above:<br>TM18NE1, TM18NE10, TM18NE11, TM18NE13, TM18NE14, TM18NE34 |                  |                          |  |

3.2.14 Only borehole TM18NE1 included information relating to water strikes, recording water at approximately 45 m bgl within the Chalk.

Table 3.4 Ground Conditions Encountered in BGS Archive Exploratory Holes in the Vicinity of 4A, 4B, 5A, 5B and the northern Half of CRC4.

| Stratum                  | Depth to Top (m) | Thickness (m) | Description   |
|--------------------------|------------------|---------------|---|
| Topsoil                  | 0.0              | 0.3 to 0.6    | "Dark brown silty topsoil with roots and occasional stones"<br>"Topsoil", "earth"                           |
| Alluvium (TM29WS27 only) | 0.0              | 1.5           | "Yellow brown SILT with stones"<br>"Yellow brown fine sanded SILT with some soft to firm silty clay layers" |



| Stratum   | Depth to Top (m) | Thickness (m)            | Description  |
|---|------------------|--------------------------|--|
| Leet Hill Sand and Gravel Member  | 1.5              | 11.0                     | "Sand and shingle"<br>"Sandy, fine, medium and coarse GRAVEL with some chalk nodules"<br>"Slightly sandy, fine, medium and coarse GRAVEL with some chalk and occasional flint cobbles" |
| Lowestoft Formation - Diamicton   | 0.0 to 19.2      | 1.8 to 12.2              | "Clay", "yellow clay"  |
| Lowestoft Formation - Sand and Gravel (where present)   | 1.5 to 12.5      | 3.0 to 11.3              | "Sand, shingle & stones",  |
| Chalk   | 12.5 to 24.4     | > 60.0 (base not proved) | "Chalk", "Chalk and flints", "firm chalk with some flints"<br>"Hard, pale grey CHALK with occasional flints"   |
| Notes:<br>The following BGS exploratory archive boreholes were reviewed to produce the above:<br>TM29SW4, TM29SW5, TM29SW16/A, TM29SW16/B, TM29SW16/C, TM29SW21, TM29SW27 |                  |                          |  |

3.2.15 Only borehole TM29SW5 included information relating to water strikes, recording water at approximately 20.4 m bgl at the boundary between the Chalk and the overlying Diamicton.

Table 3.5 Ground Conditions Encountered in BGS Archive Exploratory Holes in the Vicinity of 3A.

| Stratum                         | Depth to Top (m) | Thickness (m)                      | Description  |
|---------------------------------|------------------|------------------------------------|--|
| Topsoil                         | 0.0              | 0.1 to 0.4                         | "Brown clayey TOPSOIL"   |
| Lowestoft Formation - Diamicton | 0.1 to 0.4       | 15.6 (where full thickness proved) | Upper weathered layer comprising firm to stiff greyish brown to brown and grey slightly gravelly, silty sandy CLAY. Gravel is fine to coarse of chalk and flint with occasional flint cobbles.<br>The weathered layer is typically 3 m to 5 m thick beneath which the Diamicton becomes stiff to very stiff dark grey slightly gravelly, silty sandy CLAY. Gravel is fine to coarse of chalk and flint.<br>In TM29SE14 a layer of dense light brown silty calcareous SAND was encountered at 15.8 m bgl and proved to 0.7 m thick where the borehole terminated. |
| Norwich Crag Formation          | 16.0             | >20.0 (base not proved)            | Initially, interbedded layers of soft to firm, initially brown becoming grey, slightly gravelly, silty, sandy CLAY. Gravel is fine to coarse of chalk and flint.<br>Beneath the clay approximately 3.8 m thickness of sandy fine to coarse subangular to rounded fine to coarse GRAVEL of flint was encountered.<br>Beneath the gravel, dark grey clayey, silty SAND was encountered to the base of the borehole (10m thickness).  |

| Stratum   | Depth to Top (m) | Thickness (m) | Description |
|---|------------------|---------------|-------------|
| Notes:<br>The following BGS exploratory archive boreholes were reviewed to produce the above:<br>TM29SW10, TM29SW32, TM29SW33, TM29SW34, TM29SW35, TM29SW36, TM29SW37, TM29SW38, TM29SE14, TM29SE15, TM29SE16, TM29SE17, TM29E18, TM29SE19<br>The majority of the above boreholes are located within sub-Site 3A and post-date the demolition of the airfield structures. |                  |               |             |

3.2.16 Boreholes TM29SW32 to TM29SW38 and TM29SE14, TM29SE16, TM29SE17 and TM29SE19 to did not encounter groundwater before terminating at between 7.5 m and 19.0m bgl. TM29SE15 encountered water at an unspecified depth with a resting water level at approximately 13.0m bgl within the Diamicton (considered likely to have risen from a strike in the underlying Crag) and TM29SE18 encountered a slow seepage of water within the Diamicton at 4.8 m bgl.

Table 3.6 Ground Conditions Encountered in BGS Archive Exploratory Holes in the Vicinity of CRC10, 8A, 8B and CRC13.

| Stratum  | Depth to Top (m) | Thickness (m)            | Description  |
|--|------------------|--------------------------|--|
| Topsoil  | 0.0              | 0.3                      | "Loam"   |
| Lowestoft Formation - Diamicton  | 0.3              | 12.2 to 25.3             | "Yellow clay", "grey clay", "blue clay and chalk stone", "yellow clay and stone"                   |
| Norwich Crag Formation   | 12.5 to 25.3     | 5.5 to 15.6              | "Sand and stone", "sand and shingle", "Grey sand", "grey sand and shell", "stone", "sand and clay" |
| Chalk  | 28.1 to 30.8     | > 24.1 (base not proved) | "Chalk"  |
| Notes:<br>The following BGS exploratory archive boreholes were reviewed to produce the above:<br>TM29NE1, TM29NE4, TM29NE5, TM29NE13 |                  |                          |  |

3.2.17 Only borehole TM29NE4 included information relating to water strikes, recording a water strike at approximately 20m bgl within the Crag.

## Review of Stantec Archive Historical Reports

3.2.18 A review of Stantec’s archive of historical reports did not identify any relevant documents within 250m of the Site.

### 3.3 Radon

3.3.1 As recommendations regarding radon protection measures would apply only to occupied structures e.g. staff / control buildings (if such structures were to be constructed) the review is focussed on the 400kV Substations within the BESS Site and the National Grid Substation.

3.3.2 Both the Groundsure Report and the UK Radon interactive map<sup>7</sup> indicate that at the locations of the BESS and National Grid Substation, and in the areas surrounding both sub-Sites less than 1% of homes exceed the UK Health Security Agency (UKHSA) radon action level of 200 Bq/m<sup>3</sup>. Radon is not identified as a potential hazard requiring mitigation in the context of the Scheme.

## 3.4 Hydrogeology

### Characteristics & Aquifer Designations

3.4.1 The aquifer designations, as classified by the Environment Agency (EA) for the various strata underlying the site are provided in the table below. These are consistent across the whole site wherever these strata are present.

Table 3.7 Aquifer Designations

| Stratum                               | Description  | Present Within sub-Sites / CRCs  |
|---------------------------------------|--|--|
| <b>Superficial Deposits</b>           |  |  |
| Lowestoft Formation - Diamicton       | <p>Secondary Undifferentiated Aquifer.</p> <p>This category is assigned by the EA where it is “<i>not possible to attribute either category A or B to a rock type. In general, these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type. These have only a minor value.</i>”</p> | <p>BESS, National Grid Substation, 1A, 1B, 2A, 2B, 2C, 3A, 3B, 4A, 4B, 5A, 6, 7A, 7B, 7C, 7D, 7E, 7F, 7G, 7H, 7I, 7J, JK, 7L, 8A, 8B, 9, 10A, 10B, 10C, 10D, 10E.</p> <p>CRCs 1 to 14.</p> |
| Lowestoft Formation – Sand and Gravel | <p>Secondary A Aquifer.</p> <p>Defined by the EA as “<i>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.</i>”</p>   | 4A.  |
| Leet Hill Sand and Gravel Member      | Secondary A Aquifer.   | <p>4B, 5A, 5B, 7B, 7C.</p> <p>CRC6, CRC7, CRC8.</p>  |
| Head                                  | Secondary Undifferentiated Aquifer.  | <p>5A.</p> <p>CRC4, CRC6, CRC8</p>   |
| Alluvium                              | Secondary A Aquifer.   | <p>7A.</p> <p>CRC6, CRC7.</p>  |
| Peat                                  | <p>Unproductive Stratum (non-aquifer).</p> <p>Defined by the EA as “<i>largely unable to provide usable water supplies and are unlikely to have</i>”</p>   | CRC7.  |

<sup>7</sup> <https://www.ukradon.org/information/ukmaps>

| Stratum   | Description   | Present Within sub-Sites / CRCs |
|---|---|---------------------------------|
|   | <i>surface water and wetland ecosystems dependent on them</i> ".  |                                 |
| River Terrace Deposits  | Secondary A Aquifer.  | CRC6.                           |
| Happisburgh Glacigenic Formation and Lowestoft Formation (Undifferentiated – Clay and Silt) | Unproductive Stratum (non-aquifer).   | CRC6, CRC8.                     |
| <b>Bedrock Geology</b>  |   |                                 |
| Crag Group – Sand and Gravel  | Principal Aquifer.  | All                             |
| Norwich Crag Formation  | Defined by the EA as strata which <i>"provide significant quantities of drinking water, and water for business needs. They may also support rivers, lakes and wetlands"</i> . |                                 |
| Chalk   |   |                                 |

3.4.2 The EA's Catchment Data Explorer records that the groundwater beneath the Site forms part of the "Broadland Rivers Chalk & Crag" water body. During the 2019 assessment cycle this water body received an Overall Water Framework Directive (WFD) classification of "Poor". This can be further broken down into classification of Poor for both quantitative supply and chemical quality.

## Groundwater Vulnerability

3.4.3 The information provided in the Groundsure Report relating to groundwater vulnerability is summarised in the table below. These classifications are consistent across the whole Site wherever these strata are present.

Table 3.8 Groundwater Vulnerability

| Stratum                               | Description  | Present Within sub-Sites / CRCs          |
|---------------------------------------|--|--|
| <b>Superficial Deposits</b>           |  |  |
| Lowestoft Formation – Sand and Gravel | The Groundsure report indicates that any groundwater within these strata is of "High" vulnerability.   | 4A                                       |
| Peat                                  | The EA define "High" vulnerability as <i>"areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits"</i> . | CRC7.                                    |
| Leet Hill Sand and Gravel Member      |  | 4B, 5A, 5B, 7B, 7C,<br>CRC6, CRC7, CRC8. |
| Head                                  |  | 5A.<br>CRC4, CRC6, CRC8                  |
| Alluvium                              |  | 7A.                                      |

| Stratum   | Description  | Present Within sub-Sites / CRCs  |
|---|--|--|
|   |  | CRC6, CRC7.  |
| River Terrace Deposits  |  | CRC6.  |
| Happisburgh Glacigenic Formation and Lowestoft Formation (Undifferentiated – Clay and Silt) |  | CRC6, CRC8.  |
| Lowestoft Formation - Diamicton   | <p>The Groundsure report indicates that any groundwater within the secondary undifferentiated Diamicton aquifer is of “Medium” vulnerability.</p> <p>The EA define “Medium” vulnerability as “<i>intermediate between high and low vulnerability</i>”, where “Low” is defined as “<i>areas that provide the greatest protection to groundwater from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability</i>”.</p> | <p>BESS, National Grid Substation, 1A, 1B, 2A, 2B, 2C, 3A, 3B, 4A, 4B, 5A, 6, 7A, 7B, 7C, 7D, 7E, 7F, 7G, 7H, 7I, 7J, JK, 7L, 8A, 8B, 9, 10A, 10B, 10C, 10D, 10E.</p> <p>CRCs 1 to 14.</p> |
| <b>Bedrock Geology</b>  |  |  |
| Crag Group – Sand and Gravel  | <p>The Groundsure report indicates that any groundwater within the Principal bedrock aquifers is of “Low” vulnerability.</p>   | All  |
| Norwich Crag Formation  |  |  |
| Chalk   |  |  |

## Groundwater Abstractions & Source Protection Zones

- 3.4.4 The majority of the Scheme comprises either PV arrays constructed on pile-driven foundations (to a maximum depth of 4m), or cables constructed in shallow trenches (to a maximum depth of 2m). It is considered that the likelihood of the Scheme impacting upon abstractions (both in terms of chemical quality, and groundwater flow or quantity) is highly limited. On this basis a search buffer of 250m has been selected for the identification of groundwater abstractions (including private water supplies) and groundwater Source Protection Zones (SPZs) for areas of the Site to be used either as solar PV arrays or as CRCs.
- 3.4.5 The National Grid Substation and BESS in the south-west of the Site may include structures with piled foundations. These elements are both located in areas which are underlain (beneath any superficial Diamicton) by Crag Group and subsequently, by chalk bedrock. Whilst potentially contaminative current and historical land uses have not been identified within these areas, there remains the potential for any piled foundations to impact groundwater quality, e.g. via increased turbidity during installation, or via migration of concrete bleed waters. To provide a suitably conservative assessment, a search buffer of 1.0km around the National Grid Substation and BESS has been used for the

identification of groundwater abstractions (including private water supplies) and groundwater SPZs.

## Groundwater Source Protection Zones

- 3.4.6 The Groundsure Report records that the majority of the Site is located within a groundwater SPZ Zone 3, with the exception of the northern half of sub-Sites 1B and 2B, sub-Site 2C, the majority of CRC4, 4A, 4B, 5A, 5B, the western corner and southern half of CRC6, the south-western half of CRC6, 7A, the western half of 7B, 10E, CRC11 and the northern half of CRC14.
- 3.4.7 A groundwater SPZ Zone 2 is located approximately 350m south-west of the National Grid Substation, with the associated SPZ Zone 1 approximately 650m south-west of the National Grid Substation. This SPZ appears to relate to a groundwater abstraction at Simpsons Malthouses, some 710m to the south-west of the Site (see below).

## Groundwater Abstractions

### BESS and National Grid Substation

- 3.4.8 Two areas of private water supplies are indicated by the LPA to be present within 1.0km of the BESS and National Grid Substation. The exact locations of these private water supplies and the strata from which water is abstracted have not been provided. The geology in this location comprises Lowestoft Formation – Diamicton (shown by BGS archive boreholes in this area to be between 20m and 30m thick) over the Crag Group and Chalk. It is considered unlikely that the diamicton would provide sufficient water for supply and therefore more likely that the abstraction is from the Chalk / Crag Group at depth.
- 3.4.9 Five groundwater abstractions are located within 1.0km of the BESS and National Grid Substation, as follows:
- Ref: 7/34/18/\*G/0063, v103 issued June 2003. This permit is located approximately 960m south-east of the BESS and in excess of 1.2 km south of the National Grid Substation and allows the abstraction of up to 28m<sup>3</sup> per day of groundwater from a borehole, for the purposes of “General Farming and Domestic”.
  - Ref: 7/34/18/\*G/0128, version 105, issued April 2021. Located at Simpsons Malthouses, some 710m to the west of the BESS and 1.4 km south-west of the National Grid Substation. This permit allows the abstraction of up to 515m<sup>3</sup> per day of groundwater from a borehole, for the purposes of “general washing/process washing”.
  - Ref: 7/34/18/\*G/0097 v100, issued November 1997 and Ref: 7/34/18/\*G/0104 v100, issued June 1998. These permits are both located approximately 560m east of the National Grid Substation and 150m east of the BESS and allow the abstraction of up to 18m<sup>3</sup> per day of groundwater

from a borehole, for the purposes of “General Farming and Domestic”. This abstraction is listed as “historical” by Groundsure. Groundsure state that “*a record will be classified as ‘historical’ if the same record is not received in the most recent data update from the Environment Agency*”. It is therefore likely that this groundwater abstraction is no longer active.

- Ref: 7/34/18/\*G/0027 v100, issued April 1966. This permit is located approximately 830m north of the BESS and approximately 680m west of the National Grid Substation and allows the abstraction of groundwater from a borehole at Broadgate Way for the purposes of “General Farming and Domestic”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.

3.4.10 All of these abstractions are located within areas overlain by the Lowestoft Formation – Diamicton. The BGS archive exploratory holes in this area found that the Diamicton was between 19.5 and 31.6m thick and comprised a variably gravelly clay. On this basis it is considered highly likely that the groundwater being abstracted originates from the bedrock aquifer at depth.

3.4.11 Given these ground conditions and the nature of the proposed structures within the BESS and National Grid Substation, it is considered highly unlikely that piled foundations in excess of 20m long would be required and it is therefore also highly unlikely that the Scheme in these areas of the Site presents a hazard to these abstractions, or the groundwater within the bedrock aquifer.

#### Sub-Sites and CRCs

3.4.12 Multiple private water supplies are indicated by the LPA to be present within 250m of the sub-Sites and CRCs. The exact locations of these private water supplies and the strata from which water is abstracted have not been provided. The majority of the private water supplies are located in areas where the underlying geology comprises a significant thickness of Lowestoft Formation – Diamicton, overlying Chalk and/or Crag Group (sub-Sites 1A, 2B, 3A, 3B, 6, 7C, 7D, 7F, 7I, 8A, 8B, 10E and CRCs 2, 4, 8, 10, 11 and 13). For these private water supplies it is considered unlikely that the diamicton would provide sufficient water for supply and therefore more likely that the abstraction is from the Chalk / Crag Group at depth.

3.4.13 In a limited number of cases, adjacent to the valley in the centre of the Site, private water supplies are located in areas underlain by the more permeable Secondary A Aquifers of the Leet Hill Sand and Gravel Member and the River Terrace Deposits (sub-Sites 7A, 7B and 7C and CRCs 7 and 8). For these private water supplies there is potential for abstraction to be taking place from the near-surface aquifers.

3.4.14 Thirteen groundwater abstractions are located within 250m of the sub-Sites and CRCs, as follows:

- Ref: 7/34/18/\*G/0097 v100, issued November 1997 and Ref: 7/34/18/\*G/0104 v100, issued June 1998. These permits are both located

approximately 75m north of CRC2 and allow the abstraction of up to 18m<sup>3</sup> per day of groundwater from a borehole, for the purposes of “General Farming and Domestic”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.

- Ref: 7/34/18/\*G/0027 v100, issued April 1966. This permit is located approximately 90m south of sub-Site 1A and allows the abstraction of groundwater from a borehole at Broadgate Way for the purposes of “General Farming and Domestic”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/14/\*G/0040 v100, issued January 1966. This permit is located approximately 70m south of CRC4 and allows the abstraction of groundwater from a borehole at Broadgate Way for the purposes of “General Farming and Domestic”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/14/\*G/0110 v100, issued January 1966. This permit is located approximately 70m north and west of CRC4 and allows the abstraction of groundwater from a borehole for the purposes of “General Farming and Domestic” and “General use relating to Secondary Category (Medium Loss)”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/14/\*G/0107 v100, issued December 1987. This permit is located approximately 20m west of CRC5 and allows the abstraction of groundwater from a borehole for the purposes of “General Farming and Domestic”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/14/\*G/0025 v100, issued October 1995. This permit is located approximately 20m south of sub-Site 7C and allows the abstraction of up to 18m<sup>3</sup> per day of groundwater from a borehole for the purposes of “General Farming and Domestic”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/14/\*G/0119 v100, issued October 1995. This permit is located approximately 50m south-west of CRC13 and allows the abstraction of groundwater from a borehole for the purposes of “General use relating to Secondary Category (Medium Loss)”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/15/\*G/0104, v100, issued June 1998. This permit is located approximately 100m south of sub-Site 1a at “B W Gapp and Sons” and allows the abstraction of groundwater from a borehole for the purposes of “general



farming and domestic”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.

- Ref: 7/34/14/\*G/0113, v100, issued March 1993. This permit is located approximately 130m west of CRC11 and allows the abstraction of groundwater from a borehole at Hempnall for the purposes of “Groundwater source of supply”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/15/\*G/0028, v100, issued December 1973. This permit is located approximately 150 north of sub-Site 10e at Gerrins Farm and allows the abstraction of groundwater from a borehole for the purposes of “Groundwater source of supply”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/15/\*G/0045, v100, issued January 1966. This permit is located approximately 230m south of CRC8 at Moat Farm and allows the abstraction of groundwater from a borehole for the purposes of “Groundwater source of supply”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/15/\*G/0057, v100, issued January 1993. This permit is located approximately 240m north of CRC4 from a borehole at Mill Farm and allows the abstraction of groundwater from a borehole for the purposes of “general farming and domestic”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.
- Ref: 7/34/15/\*G/0021, v100, issued January 1966. This permit is located approximately 250m south-west of sub-Site 10c at Woodton Grange and allows the abstraction of groundwater from a borehole for the purposes of “Groundwater source of supply”. This abstraction is listed as “historical” by Groundsure and it is therefore likely that this groundwater abstraction is no longer active.

## Groundwater Flooding

3.4.15 The potential for groundwater flooding has been reviewed only in areas of proposed structures, i.e. the BESS and National Grid Substation. The Groundsure Report indicates that both of these areas are at a Low risk of groundwater flooding.

3.4.16 It should be noted that this report is a land condition assessment and does not purport to be a flood risk assessment, which is addressed in Chapter 5 of the Scoping Report.

## Summary

3.4.17 The majority of the Site is located in areas directly underlain (beneath any agricultural topsoil and subsoil) by Diamicton of the predominantly clayey

Lowestoft Formation. The available geological information indicates that the Diamicton is in excess of 10m thick and is described as a firm to stiff slightly gravelly, variably sandy CLAY and is classified by the EA as a “low value” Secondary Undifferentiated aquifer. On this basis it is highly unlikely that there is any large-scale functional permeability through the significant thickness of Diamicton to the underlying Chalk and Crag Group Principal Aquifers.

3.4.18 The majority of the land within the Site will be used either for the construction of a cable route (cables placed within a trench, dug from the surface and surrounded by clean backfill material) or for the construction of PV arrays which will rest upon shallow foundations placed within the Lowestoft. These elements of the Scheme are not considered to present a potential hazard to hydrogeology. On the basis of the above, within the sub-Sites and CRCs, Controlled Waters (groundwater deep) will not be taken forward for assessment as a receptor.

3.4.19 Only the BESS and National Grid Substation will include structures with more significant foundations, and whilst it is likely that (given the nature of the proposed structures) shallow foundations will be utilised, at this stage it cannot be ruled out that deep piled foundations may be required and therefore there is a limited potential that during the construction phase only, a potential hazard to hydrogeology will be present. On the basis of the above, within the BESS and National Grid Substation, Controlled Waters (groundwater deep) will be taken forward for assessment as a receptor during the construction phase only.

## 3.5 Hydrology

3.5.1 The majority of the Scheme comprises either PV arrays constructed on pile-driven foundations, or cables constructed in shallow trenches. It is considered that the likelihood of the Scheme impacting upon abstractions (both in terms of chemical quality, and groundwater flow or quantity) is highly limited. On this basis a search buffer of 100m has been selected for the identification of hydrological receptors (250m for abstractions) for areas of the Site to be used either as solar farm or as parts of the CRC.

3.5.2 The National Grid Substation and BESS in the south-west of the Site may include structures with piled foundations. These elements are also both located in areas which are directly underlain by chalk bedrock. Whilst potentially contaminative current and historical land uses have not been identified within these areas, there remains the potential for the proposed end-uses of these areas to impact hydrological receptors (e.g. in the event of a leak or spillage during either the construction phase or operational phase). A search buffer of 250m around the National Grid Substation and BESS has been used for the identification of hydrological receptors (1km for abstractions).

## Surface Water Features & Operational Catchments

### BESS and National Grid Substation

- 3.5.3 There are no statutory Main Rivers located within 250m of the BESS and National Grid Substation.
- 3.5.4 Contemporary OS mapping records a series of field drains and occasional small ponds within 100m of the National Grid Substation, and along the northern and eastern boundaries of the BESS, these ditches appear to connect to a further series of ditches that discharge to the Starston Brook approximately 1.0km to the south of the BESS.
- 3.5.5 The EA’s Catchment Data Explorer indicates that both the BESS and the National Grid Substation are located within the catchment of the “Starston Brook Water Body”<sup>8</sup>. During the 2019 assessment cycle this water body received a WFD classification of Moderate for ecological quality and Fail for chemical quality. During the 2022 assessment cycle the Moderate ecological quality classification was maintained and the chemical quality “*does not require assessment*”.

### Sub-Sites and CRCs

- 3.5.6 None of the sub-Sites are located within 100m of a statutory Main River with the exception of sub-Site 7B and CRC7 in the centre of the Site which are crossed by a tributary of the River Tas.
- 3.5.7 Multiple field drains and streams are recorded within 100m of the sub-Sites and CRCs across the Site.
- 3.5.8 The EA’s Catchment Data Explorer indicates that the sub-Sites and CRCs cross several catchments, as detailed in the table below:

Table 3.9 Summary of Surface Water Body Information – Sub-Sites and CRCs

| Water Body Name / Reference  | Description  |
|--|--|
| Starston Brook <sup>1</sup><br>(sub-Sites 1A, 1B, 2A, 2B, 2C, CRC1, CRC2, CRC3, southern half of CRC4) | 2019 WFD classification of Moderate for Ecological quality and Fail for Chemical quality (due to the presence of priority hazardous substance Polybrominated Diphenyl Ethers).<br><br>2022 WFD classification of Moderate for ecological quality and “Does not require assessment” for chemical quality. |
| Tas (Head to Tasburgh) <sup>2</sup><br>(Western edge of sub-Site 4A, one quarter of CRC4)              |  |
| Tas (Tasburgh to R. Yare) <sup>4</sup>   |  |

<sup>8</sup> <https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045880>

| Water Body Name / Reference  | Description  |
|--|--|
| (northern half of sub-Site 7C, 7D, 7E, 7F, 7K, 7L, 8A, 8B, CRC12, CRC10)<br><br>Waveney (Ellingham Mill – Burgh St. Peter) <sup>6</sup><br><br>(Sub-Sites 10A, 10B, 10C, 10D, eastern half of CRC8, CRC9)  |  |
| Hempnall Beck <sup>3</sup><br><br>(Part of sub-Site 3a, remainder of sub-Site 4a, sub-Sites 3B, 4B, 5A, 5B, 6, 7A, 7B, southern half of 7C, 7G, 7H, majority of sub-Sites 7I and 7J, northern quarter of CRC4, CRC5, CRC6, CRC7, western half of CRC8, CRC11).   | 2019 WFD classification of Poor for Ecological quality and Fail for Chemical quality (due to the presence of priority hazardous substance Polybrominated Diphenyl Ethers).<br><br>2022 WFD classification of Poor for ecological quality and “Does not require assessment” for chemical quality. |
| Chet <sup>5</sup><br><br>(Sub-Sites 9, 10E and majority of CRC14)  |  |
| Notes:<br>1. <a href="https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045880">https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045880</a><br>2. <a href="https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045730">https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045730</a><br>3. <a href="https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045720">https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045720</a><br>4. <a href="https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034051230">https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034051230</a><br>5. <a href="https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034051190">https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034051190</a><br>6. <a href="https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045903">https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045903</a> |  |

## Surface Water Abstractions & Drinking Water Safeguard Zones (Surface Water)

### BESS and National Grid Substation

3.5.9 The Groundsure Report indicates that there are no recorded licenced surface water abstractions within 1km of the BESS and National Grid Substation.

3.5.10 DEFRA’s MAGIC viewer (DEFRA, 2024) indicates that the BESS and National Grid Substation are located within a surface water Drinking Water Safeguard Zone – ref: SWSGZ1020 for substances Nitrate, Clopyralid, Metaldehyde and Propyzamide (the last three are pesticides). These substances are related to farming uses and are therefore not relevant to the proposed electrical infrastructure end-use of the BESS and National Grid Substation.

### Sub-Sites and CRCs

3.5.11 The Groundsure Report indicates that there are no recorded licenced surface water abstractions located within 250m of the sub-Sites and CRCs.

3.5.12 DEFRA's MAGIC viewer (DEFRA, 2024) indicates that sub-Sites 1A, 1B, 2A, 2B, 2C, part of sub-Site 3A, 10A, 10B, 10C, 10D, southern half of CRC4, the eastern half of CRC8 and CRC9 are located within a surface water Drinking Water Safeguard Zone – ref: SWSGZ1020 for substances Nitrate, Clopyralid, Metaldehyde and Propyzamide (pesticides). These substances are related to farming uses and are therefore not relevant to the proposed electrical infrastructure end-use of the sub-Sites and CRCs.

## Flood Risk

3.5.13 According to the UK Government Flood Map for Planning (EA, 2024) the whole of the Site is located within a Flood Zone 1, which is any land having a less than 1 in 1,000 (0.1%) annual probability of river or sea flooding with the exception of the following areas which are shown to be located in Flood Zone 3 (land with a greater than 1 in 100 (1.0%) annual probability of river or sea flooding):

- A very limited area adjacent to the southern boundary of CRC4 and an approximately 600m wide area in the south of CRC4.
- All land within 150m of the northern boundary of CRC7.
- An approximately 100m wide corridor in the west of CRC6.

3.5.14 It is noted that the only areas not in Flood Zone 1 are all CRCs where no above-ground construction is proposed.

3.5.15 It should be noted that the statement above does not purport to be a flood risk assessment.

## Summary

### BESS and National Grid Substation

3.5.16 Due to the presence of nearby surface water receptors (ditches that link to the Starston Brook), surface water (biodiversity) will be taken forward in this assessment and will be considered a sensitive receptor. On the basis that surface waters are not indicated to be utilised on-Site or within 1km of the BESS and National Grid Substation, surface water (resource) will not be taken forward as a receptor for consideration in the assessment of these areas of the Site.

### Sub-Sites and CRCs

3.5.17 Due to the presence of nearby surface water receptors (ditches, streams, tributary of the River Tas etc.), surface water (biodiversity) will be taken forward in this assessment and will be considered a receptor. On the basis that surface waters are not indicated to be utilised on-site, surface water (resource) will not be taken forward as a receptor for consideration in the assessment of these areas of the Site.

## 3.6 Terrestrial Ecology

3.6.1 The Groundsure Report indicates that there are no designated Special Areas of Conservation, Special Protection Areas, Local or National Nature Reserves, wetlands of international importance as designated under the Ramsar Convention within 1km of the BESS and National Grid Substation or within 250m of the sub-Sites or CRCs.

3.6.2 Several Sites of Special Scientific Interest and areas of designated Ancient Woodland have been identified, as described below.

3.6.3 **Sites of Special Scientific Interest** – The Groundsure Report records five SSSI within 250m of the sub-Sites and CRC as described below. There are no recorded SSSI within 1km of the BESS or National Grid Substation.

- Pulham Market Big Wood, located immediately east of CRC4 is designated as a Site of Special Scientific Interest (SSSI). A review of the citation<sup>9</sup> for this SSSI indicates it is designated on the basis of its woodland species and habitats.
- SSSI – Shotesham-Woodton Hornbeam Woods SSSI comprises four sub-Sites of woodland designated<sup>10</sup> as a SSSI on the basis of their woodland species and habitats and located as follows:
  - Winter's Grove – A parcel of woodland located, at most proximal, approximately 60m south of CRC8.
  - Little Wood - A parcel of woodland enclosed by, but excluded from, CRC8.
  - Saxlingham Grove - A parcel of woodland that adjoins the northern boundaries of sub-Sites 7F and 7G and is located approximately 60m west of CRC10.
  - Little Wood – A parcel of woodland located approximately 150m west of sub-Site 8B.

3.6.4 **Ancient Woodland** - The Groundsure Report records 13no. areas of designated ancient woodland within 250m of the -Sites and CRC as described below. There are no designated ancient woodlands within 1km of the BESS or National Grid Substation.

- Privet Wood, located immediately south of CRC9.
- Ringers Grove, partially enclosed by sub-Site 8A.
- Spring Wood, located between sub-Sites 3A and 3B.

<sup>9</sup> <https://designatedsites.naturalengland.org.uk/PDFsForWeb/Citation/1001412.pdf>

<sup>10</sup> <https://designatedsites.naturalengland.org.uk/PDFsForWeb/Citation/1004212.pdf>

- Popes Wood, located immediately east of CRC11 and immediately south of sub-Site 7C.
- Beckett's Wood, located immediately south of CRCs 8 and 9.
- D'oylys Grove, partially enclosed by sub-Site 7C.
- Saxlingham Grove, located immediately north of sub-Sites 7F and 7G and approximately 60m west of CRC10.
- Little Wood, enclosed by, but excluded from, CRC8.
- Winters Grove, located approximately 60m south of CRC8.
- Brooke Wood, located approximately 100m north of CRC13.
- Little Wood, located approximately 150m west of sub-Site 8B.
- Hedenham Wood, located approximately 150m east of sub-Site 10B.
- Green Farm Grove, located approximately, located approximately 140m north of CRC13 and 190m east of sub-Site 8B.

3.6.5 **Groundwater Dependent Terrestrial Ecosystems (GWDTE)** – GWDTE are “*wetlands which critically depend on groundwater flows and /or chemistries*”<sup>11</sup>. GWDTE have been identified as follows:

- Pulham Market Big Wood, located immediately east of CRC4.

3.6.6 **Summary** -The SSSI and GWDTE will all be taken forwards for assessment as ecological receptors, noting that the nearest on-Site potential source of contamination to the GWDTE is located some 4.4 km to the north. Given the limited construction to be undertaken in the CRCs (trenching for cables) and sub-Sites (shallow foundations or ‘pins’) and therefore the limited potential for the Scheme to impact upon areas of nearby woodland, only areas only areas of ancient woodland located immediately adjacent to the Site (Privet Wood, Ringers Grove, Spring Wood, Popes Wood, Becketts Wood, D'oylys Grove, Saxlingham Grove and Little Wood) will be taken forwards for assessment as ecological receptors.

## 3.7 Geological Designations

3.7.1 Geodiversity can be defined as “*The natural range (diversity) of geological (rocks, minerals, fossils), geomorphological (landforms, topography, physical processes), soil and hydrological features. It includes their assemblages, structures, systems and contributions to landscapes*” (Gray, 2013). These

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<sup>11</sup>

[https://www.wfduk.org/sites/default/files/Media/Environmental%20standards/GWDTE%20chemical%20values\\_Final\\_230312.pdf](https://www.wfduk.org/sites/default/files/Media/Environmental%20standards/GWDTE%20chemical%20values_Final_230312.pdf)

protected sites include geological sites of Special Scientific Interest (SSSIs), National Nature Reserves (NNRs) and Local Geology sites.

- 3.7.2 DEFRA's MAGIC viewer (DEFRA, 2023) and the Groundsure Report indicate that the Site is not located within 250m of any geologically designated SSSI.
- 3.7.3 A .kmz file of the County Geodiversity Sites (CGS) (replacing Regionally Important Geological/Geomorphological Site (RIGS)) was downloaded from Norfolk County Council<sup>12</sup> on the 3<sup>rd</sup> September 2024. A review of this information indicates that the Site is not located within 250m of a CGS.
- 3.7.4 On this basis geodiversity will not be taken forward as a receptor for consideration in this assessment.

## 3.8 Archaeological Setting and Buildings

- 3.8.1 A preliminary appraisal of readily available sources of information has been undertaken to determine whether archaeological settings and property requires consideration within the ground condition assessment. It should be noted the statement regarding the archaeological setting does not purport to be an archaeological risk assessment which would require a separate commission.
- 3.8.2 A search buffer of 50m has been applied for the identification of archaeological / building receptors. This has been selected as it is considered that the principal means by which the Scheme could impact off-Site buildings is through construction-related vibrations which, given the scale of the Scheme, are unlikely to be significant and persist beyond a 50m distance. Such vibrations could originate from the construction of driven piled foundations at the BESS and National Grid Substation, or through the driving of shallow mini-pile foundations for the PV arrays in the sub-Sites. Construction induced groundwater level changes could also impact off-Site archaeology / buildings receptors, however the Scheme does not include structures that would obstruct groundwater flow, and indeed across the majority of the scheme shallow groundwater is not anticipated to be present. The construction of the cable trench is considered highly unlikely to impact nearby archaeology / buildings receptors and is therefore excluded from this stage of receptor identification.
- 3.8.3 The Groundsure Report identifies that there are no World Heritage Sites, Scheduled Ancient Monuments or registered parks or gardens within 50m of the BESS, National Grid Substation and sub-Sites, and 7no. listed buildings within 50m of the sub-Sites, as described below. No listed buildings have been identified within 50m of the BESS and National Grid Substation.
- Church of St. Catherine – Grade I Listed – Located 20m south of sub-Site 5B.

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<sup>12</sup> Norfolk County Council, 2024, Norfolk Inspire and Open Data website, available online at <https://maps.norfolk.gov.uk/inspire> [Accessed September 2024]



- Wood Farm House – Grade II Listed – Located 20m south of sub-Site 7C.
- Grove Farm House – Grade II Listed – Located 40m south of sub-Site 7C.
- Barn North of the Old Rectory – Grade II Listed – Located 10m south of sub-Site 4B.
- Cottage Occupied by Mr and Mrs Woods – Grade II Listed – Located 20m south of sub-Site 4B.
- Church Farm House – Grade II Listed – Located 40m south of sub-Site 4B.
- Church of St. Michael – Grade I Listed – Located 40m south of sub-Site 4B.

3.8.4 On the basis of the above, archaeological setting will be taken forward in this assessment as a receptor for consideration.

### 3.9 Minerals Resource

3.9.1 Minerals resource has been assessed separately under a Minerals Resource Assessment which should be read in conjunction with this report.

### 3.10 Soil Resource

3.10.1 Soils as a resource are assessed in Chapter 13 of the Scoping Report.

## 4 Ground Stability Risk Assessment

### 4.1 Introduction

4.1.1 In accordance with the requirements of the National Planning Policy Framework (MHCLG, 2023), the potential for the Scheme to contribute to or to be adversely affected by land instability has been assessed. Accordingly, consideration is given below to the potential risk of subsidence arising from Artificial Cavities, Natural Cavities, Slope Instability and Potential Adverse Foundation Conditions arising from existing ground conditions across the site, as identified by the desk study.

4.1.2 The potential for land instability at the site has been considered, in relation to;

- Naturally occurring geological hazards including Natural Cavities;
- Artificial Cavities;
- Potentially adverse foundation conditions including slope stability.

4.1.3 Consideration is given below to the risk of the potential stability constraints arising from existing ground conditions at the site, as identified in this data review.

### 4.2 Natural and Mining Cavities

#### Natural Cavities

4.2.1 A search of the Stantec Natural Cavities Database and a review of the Groundsure Report indicate that there are no records for natural cavities within 250m of the Site.

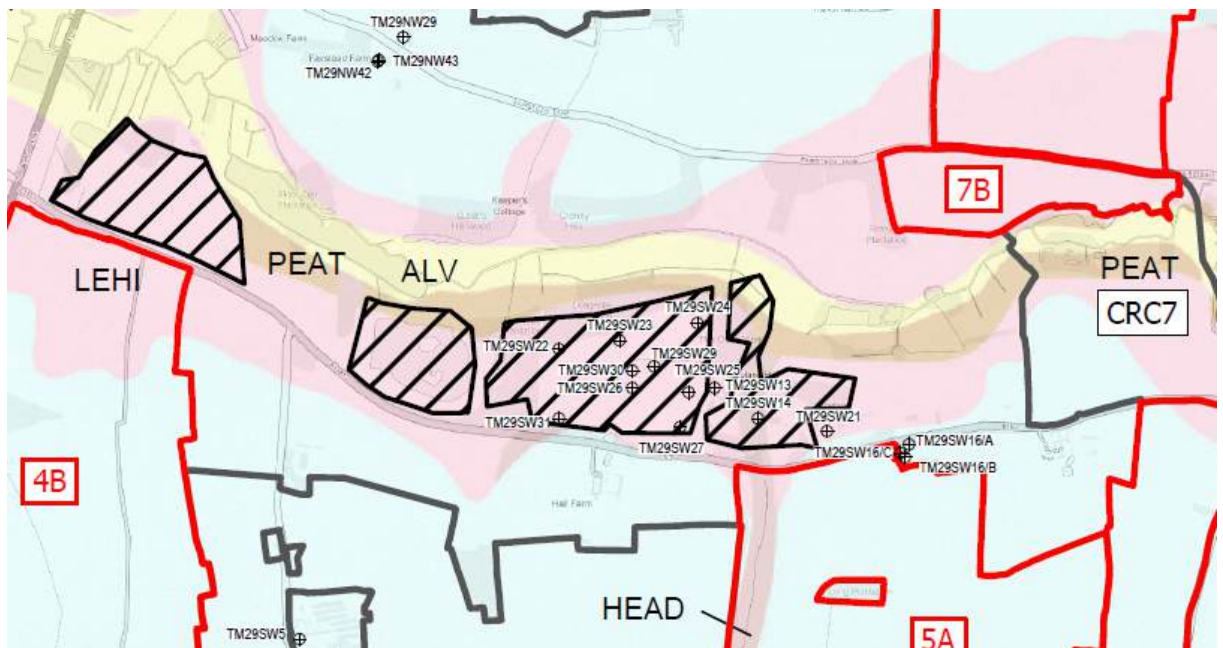
### 4.3 Historical Mineral Working

4.3.1 As identified within the historical mapping review, there are several small-scale clay and gravel pits either on-Site or in the immediate vicinity of the Site.

4.3.2 As described in the Mineral Resource Assessment Desk Study (MRA) that accompanies this report, the BGS' Mineral Resources Map indicates that the Leet Hill Sand and Gravel has historically been extracted in the vicinity of the Site. The insert below shows the locations of these now closed quarries. Online historical Google Earth satellite imagery shows that these quarries to be inactive and either flooded to form lakes or restored to agricultural or other uses before the earliest image date of 1999.

4.3.3 Deeper pits (either modern or historical) to access the underlying chalk have not been identified and are considered unlikely to be present due to the significant overlying thickness of Diamicton and other superficial deposits.

Insert 4.1 Extract of MRA Figure 2 Showing the Locations of Inactive Mineral Working Sites (black hashed areas)



4.3.4 Overall, based on the ground conditions, the geomorphology of the site, the potential for man-made mineral excavations to be present is considered to be **Low**.

## 4.4 Slope Instability

4.4.1 An approximately east-west trending shallow valley is present in the approximate centre of the Site, within which flows a tributary of the River Tas. The valley is approximately 15m deep and is crossed by the northern ends of sub-Sites 4A and 4B, north-west of sub-Site 5A, the western half of sub-Site 7A, sub-Site 7B, the southern section of sub-Site 7C and CRC6. CRC6 also contains a smaller shallow north-south trending valley. Within these sub-Sites, the potential for landslide hazards is considered to be **Low**.

4.4.2 Within the remaining approximately level or only gently sloping areas of the Site, the potential for landslide hazards is considered to be **Very Low**.

## 4.5 Naturally Occurring Geological Hazards

4.5.1 An assessment of potential geological hazards that may give rise to instability or adverse foundation or construction conditions as supplied by the BGS from their National Geoscience Information Service (NGIS) are presented in the Groundsure Report reproduced in **Annex 2**. The assessment is generated automatically based on digital geological maps and the scope and the accuracy is limited by the methods used to create the dataset and is therefore only indicative for the search area.

4.5.2 The information contained in the report has been reviewed and where considered necessary has been reassessed considering the specific information available for the Site with the potential hazards being rated as very low, low, moderate, high or very high in general accordance with the criteria given by the BGS property hazard rating system. The Stantec assessment of the potential for geological hazards to be present on the site is summarised in the table below.

Table 4.1 Stantec Assessment of Geological Hazards On-site

| Hazard                        | Hazard Potential                       | Comment   |
|-------------------------------|--|---|
| Collapsible Ground Stability  | Very Low                               | On the basis of the information reviewed, the ground conditions across the whole Site are expected to be such that a rapid reduction in volume is not expected to occur when they are loaded and saturated with water   |
| Compressible Ground Stability | Very Low to Moderate                   | On the basis of the information reviewed, the ground conditions are expected to be such that layers of very soft compressible materials such as organic clay or peat are not expected to be present across the majority of the Site.<br><br>The Moderate element of this hazard potential relates to the limited areas of the Site within which the deposits of Peat (CRC7) and Alluvium (CRC6, CRC7, sub-Site 7A) are recorded by the BGS.   |
| Dissolution                   | Moderate                               | On the basis of the information reviewed, the ground conditions are expected to be such that there is a Moderate potential for naturally occurring dissolution features (cavities formed when rocks such as chalk are dissolved, leading to the formation of features such as solution pipes or sinkholes). The interface between the chalk deposits and the Crag Group is one of the UK's principal karstic horizons.<br><br>Whilst the Crag is not present across the whole of the Site following the last period of glaciation, it historically would have been and was eroded during glaciation, subsequent to which the Diamicton was deposited. This deposition has the potential to have re-activated earlier features.<br><br>The potential for dissolution features to occur will be locally influenced by the thickness of the overlying deposits, the depth of any historical buried valley features and the elevation of the groundwater vs. the chalk interface. |
| Landslide Ground Stability    | Very Low, locally Low on valley slopes | See landslides section above. Whilst the majority of the Site is anticipated to have a limited potential for landslides, there is a slightly elevated potential for landslides in areas of the Site that cross the slopes of the valley in the approximate centre of the Site (northern parts of sub-Sites 4A, 4B, 5A, 5B, southern parts of sub-Sites 7A and 7C, all of sub-Site 7B, and northern parts of cable routes CRC4 and CRC6, and all of cable route CRC7).   |
| Running Sand                  | Very Low to Moderate                   | On the basis of the information reviewed, the ground conditions are expected to be such that across the majority of the Site there is expected to be no significant potential for internal erosion associated with groundwater flows into excavations below the water table.<br><br>The Moderate potential for running sands relates to areas of the Site underlain at the surface by the predominantly granular deposits of the Leet Hill Sand and Gravel Member, River Terrace Deposits and the discrete sand and gravel  |

| Hazard                     | Hazard Potential | Comment  |
|----------------------------|------------------|--|
|                            |                  | deposits of the Lowestoft Formation (sub-Sites 4A, 5A, 5B, 7B and 7C, and cable routes CRC6, CRC7 and CRC8).   |
| Shrinking or Swelling Clay | Low to Moderate  | The cohesive Diamicton of the Lowestoft Formation that forms the surface geology across the majority of the Site (excluding areas where granular deposits are present) is expected to be of typically of low to medium volume change potential. The upper weathered layers being typically medium volume change potential and the in-situ non-weathered material typically being of low volume change potential. |

## 4.6 Potential Adverse Ground Conditions

- 4.6.1 The nature and full extent of the strata at the Site have not been determined at the time of writing. This information will however be required to inform the detailed design of foundations and infrastructure.
- 4.6.2 The Site is underlain predominantly by cohesive Diamicton deposits of the Lowestoft Formation which is typically of medium volume change potential within the upper, weathered layers. Consideration should be given during the design of the proposals where the Scheme crosses boundaries between strata of differing volume change potential, and thus where differential movements could occur.
- 4.6.3 In order to minimise the risk associated with the potential for shrink swell to affect both the cable route, the solar PV arrays, the BESS Site and the National Grid National Grid Substation (including any foundations and structures), ground investigation and testing will be needed.
- 4.6.4 It is understood that the proposed cable will be constructed within an open-cut trench and will be backfilled with a granular fill, where possible. In some instances, trenchless methods such as HDD will be implemented to avoid damage to ecologically valuable habitats (such as water courses and hedgerows). The temporary works design for the cable trench should consider impacts upon shallow groundwater flows, e.g., if flows will be obstructed during construction by trench shoring required to maintain an open excavation.
- 4.6.5 The Lowestoft Formation can contain sulphate minerals which in the presence of groundwater and air can give rise to aggressive conditions for buried concrete i.e. the production of chemical agents that are destructive to buried concrete. Whilst this is a naturally occurring hazard / is normal in this stratum, this potential should be considered further and data collected through ground investigation.
- 4.6.6 The geology at the Site should be confirmed through site investigation and testing at detailed design stage. Potential risk associated with swelling / shrinkable clays can be mitigated through best practice engineering design in accordance with current British Standards and, for residential development, bespoke industry technical standards produced by the National House Building Council (NHBC) and Building Research Establishment publications.

- 4.6.7 Based on the preliminary findings we recommend undertaking an Extended Cavities Occurrence Assessment to better define the likelihood of hazard occurrence and implications for the Scheme given the likely tolerances of the various elements.

## 5 Tier 1 Preliminary Risk Assessment (Land Contamination)

### 5.1 Approach and Outline Conceptual Model

- 5.1.1 The land contamination risk assessment presented in this section is a Tier 1 Preliminary Risk Assessment (PRA). A summary of the guidance for the assessment of land contamination and the approach developed and adopted by Stantec is presented in **Annex 1**.
- 5.1.2 A conceptual model identifies the types and locations of potential contamination sources, the identification of potential receptors and the identification of potential transport/migration pathways.
- 5.1.3 Guidance requires a risk assessment to include the following steps:
- Identify the hazard - establish contaminant sources.
  - Assess the hazard - use a source-pathway-receptor (S-P-R) pollutant linkage approach to find out if there is the potential for unacceptable risk.
  - Estimate the risk - predict what degree of harm or pollution might result and how likely it is to occur.
  - Evaluate the risk - decide whether a risk is unacceptable.
- 5.1.4 The findings for each step are summarised in the following subsections.

### 5.2 Hazard Identification (Sources of Potential Contamination)

- 5.2.1 The on-site and off-site sources of potential contamination (SPCs) identified and associated contaminants of concern (COC) are presented in the tables below. It should be noted that whilst ground instability hazards have been identified these are not considered in this section of the report and the reader should refer to **Section 4** above for a preliminary appraisal of ground stability issues.
- 5.2.2 The potential contaminants identified for each land use are derived based on professional judgement and reference to published guidance. A Hazard Classification Score (HCS) has been assigned to each SPC to describe the potential for the current and historical activities associated with the source to generate or release contamination. Each SPC is score between 1 (Very Low) with a limited potential to generate / release contamination, e.g. residential use or agricultural land, to 5 (Very High) where likely widespread elevated concentrations of contamination would be anticipated e.g. hazardous waste landfills, gas or chemical works etc.

Table 5.1 Potential Sources of Contamination – BESS and National Grid Substation

| SPC Reference   | Description and Hazard Classification Score   | Location            | Potential Contaminants of Concern (COC)  |
|-----------------|---|---------------------|--|
| <b>On-Site</b>  |   |                     |  |
| 1               | Agricultural land. The majority of the land within the Site appears to have remained as agricultural land since the 1870s (noting local temporary use in the 1940s to 1960s as airfields in Sites 7 and 10 prior to restoration to agriculture).<br><br>HCS = 1 | All                 | Agrichemical Residues (not bulk storage)   |
| <b>Off-site</b> |   |                     |  |
| 2               | Farms – there are multiple historical and modern farms located in the immediate vicinity of the Site. There is the potential for bulk storage of fuels and agrichemicals to have taken place within the farms.<br><br>HCS = 2                                   | Various around Site | Petroleum hydrocarbons (fuels/oils), agrichemicals, asbestos in construction materials |

Table 5.2 Potential Sources of Contamination – Sub-Sites and CRCs

| SPC Reference  | Description   | Location | Potential Contaminants of Concern (COC)  |
|----------------|---|----------|--|
| <b>On-Site</b> |   |          |  |
| 1              | Agricultural land. The majority of the land within the Site appears to have remained as agricultural land since the 1870s (noting local temporary use in the 1940s to 1960s as airfields in Sites 7 and 10 prior to restoration to agriculture).<br><br>HCS = 1 | All      | Agrichemical Residues (not bulk storage)   |
| 3              | Landfill – “Off West side of Shelton Airfield Disused”. Indicated to have been operated between 1968 and 1975 and received inert, commercial and liquid sludge wastes.<br><br>HCS =3  | CRC5     | Landfill gases (methane, carbon dioxide, hydrogen sulphide), metals and metalloids, petroleum hydrocarbons, Polycyclic Aromatic Hydrocarbons (PAHs), asbestos, inorganic compounds e.g. cyanides, sulphates, chloride etc. |



| SPC Reference | Description  | Location             | Potential Contaminants of Concern (COC)  |
|---------------|--|----------------------|--|
| 4             | <p>Sewage Works - Mapping dated 1951 records two tanks. By 1959 further tanks, filter beds, drying beds and a pump house are shown in the north-east of CRC7, with this area labelled on historical mapping as "sewage works". Contemporary historical aerial imagery shows the sewage works to still be present.</p> <p>A pollution incident involving the release of firefighting run-off appears to have occurred at the sewage works in 2002.</p> <p>HCS = 3</p> | CRC7                 | Metals and metalloids, petroleum hydrocarbons, asbestos, inorganic compounds, pathogens, PFAS, gases from organic matter degradation   |
| 5             | <p>Former RAF Hardwick - A WW2-era airfield. Elements of the airfield within the Site included runways, aircraft hardstands and the airfield perimeter road. By the 1970s the airfield structures were demolished and the land was returned to agricultural use.<sup>2</sup></p> <p>HCS = 2</p>  | 3A, 3B               | Petroleum hydrocarbons, metals, asbestos, PFAS   |
| 6             | <p>Former RAF Seething - A WW2-era airfield. Elements of the airfield within the Site included runways, aircraft hardstands and the airfield perimeter road. By the 1970s the airfield structures were demolished and the land was returned to agricultural use.<sup>2</sup></p> <p>HCS = 2</p>  | 10B to 10E and CRC14 | Petroleum hydrocarbons, metals, asbestos. PFAS   |
| 7             | <p>Infilled former clay pit - Mapping dated 1883 records likely clay pits associated with the brick works adjacent to the north of CRC4. Mapping dated 1979 no longer records the pits. Contemporary LIDAR imagery indicates that the small areas of potential clay pits have been infilled.</p> <p>HCS = 3</p>  | CRC4                 | Landfill gases (methane, carbon dioxide, hydrogen sulphide), metals and metalloids, petroleum hydrocarbons, Polycyclic Aromatic Hydrocarbons (PAHs), asbestos, inorganic compounds e.g. cyanides, sulphates, chloride etc. |
| 8             | <p>Refuse Tip. Mapping dated 1883 shows a gravel pit extending approximately 30m into sub-Site 4B, with a further extension by the mid-1940s. Mapping dated 1976 records the pit as a refuse tip.</p> <p>HCS = 3</p>   | 4B                   | Landfill gases (methane, carbon dioxide, hydrogen sulphide), metals and metalloids, petroleum hydrocarbons, Polycyclic Aromatic Hydrocarbons (PAHs), asbestos, inorganic compounds e.g. cyanides, sulphates, chloride etc. |

| SPC Reference   | Description  | Location   | Potential Contaminants of Concern (COC)   |
|-----------------|--|--|---|
| <b>Off-site</b> |  |  |   |
| 2               | Farms – there are multiple historical and modern farms located in the immediate vicinity of the Site. There is the potential for bulk storage of fuels and agrichemicals to have taken place and to be present within the farms.<br><br>HCS = 2  | Various around Site  | Petroleum hydrocarbons, agrichemicals   |
| 3               | Landfill – “Off West side of Shelton Airfield Disused”. Indicated to have been operated between 1968 and 1975 and received inert, commercial and liquid sludge wastes.<br><br>HCS = 3  | Approximately 100m north-west of sub-Site 3A and approximately 160m south of sub-Site 3B | Landfill gases (methane, carbon dioxide, hydrogen sulphide)   |
| 5               | Former RAF Hardwick - A WW2-era airfield. WW2. Elements of the airfield within the Site included runways, aircraft hardstands and the airfield perimeter road. By the 1970s the airfield structures within the site were demolished and the land was returned to agricultural use. <sup>2</sup><br><br>HCS = 2   | Immediately adjacent to CRC5   | Petroleum hydrocarbons, metals, asbestos  |
| 9               | Landfill - “Off B1135”. Indicated to have been operated between 1982 and 1990 and received domestic and commercial wastes. The landfill is indicated to benefit from landfill gas control measures.<br><br>HCS = 2   | Approximately 100m north-west of sub-Site 5A and approximately 170m north of CRC6        | Landfill gases (methane, carbon dioxide, hydrogen sulphide)   |
| 10              | Former car breakers yard – operated between 1970s and early 2000s. <sup>1</sup><br><br>HCS = 2   | Immediately west of CRC10  | Petroleum hydrocarbons, PAHs, asbestos, Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs) |
| 11              | Vehicle Servicing and Repair Garage – ES Motorsport. <sup>1</sup><br><br>HCS = 2   | Immediately north of sub-Site 5A   | Petroleum hydrocarbons, PAHs, VOCs and SVOCs  |
| 12              | Brick Kiln Works - Mapping dated 1883 records a brick works is recorded immediately north of the Site. By the early 1950s the brick works is recorded as disused. Subsequent mapping records the area of the former brick works appears to have been redeveloped with several sheds, this area is later known as “Brick Kiln Works”. These works appear to currently be used by “Colorcote” who provide grit | Immediately north of CRC4  | Metals and metalloids, asbestos, petroleum hydrocarbons, PAHs, VOCs and SVOCs                         |

| SPC Reference   | Description   | Location   | Potential Contaminants of Concern (COC)      |
|---|---|--|--|
|   | blasting and powder coating solutions, and by FibreTek Composites who produce fibreglass mouldings and other fibreglass products.<br><br>HCS = 2              |  |  |
| 13  | A complex of sheds occupied by a garage (Harvey Lane Garage), motor salvage / vehicle breakers yards, and an insulation provider. <sup>1</sup><br><br>HCS = 2 | Immediately south of the north-eastern end of CRC6 | Petroleum hydrocarbons, PAHs, VOCs and SVOCs |
| <p>Notes:</p> <ol style="list-style-type: none"> <li>1. This area is underlain by the very low permeability Diamicton of the Lowestoft Formation. This hazard is therefore limited to localised spills and losses of fuels which may have flowed at surface over the Site boundary.</li> <li>2. Any contamination associated with the historical airfield use is considered likely to be 1) limited, given that the airfield infrastructure within the Site was limited to areas of runway, perimeter road and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Site, and 2) likely to be dispersed following at least fifty years of agricultural use.</li> </ol> |   |  |  |

5.2.3 A plan showing the locations of the above SPCs is provided as **Figure 4 – SPC Location Plan**.

## 5.3 Hazard Assessment

5.3.1 To determine whether the identified hazards pose a risk it is necessary to identify the presence of potential receptors and pathways by which these receptors can be exposed to the hazard.

### Identification of Potential Pathways

5.3.2 Potential hazards require a pathway connecting the source (if present) to potential receptors to impact upon the receptors. These pathways are capable of conveying the potential contaminants identified. Pathways may be anthropogenic (artificial) or natural.

5.3.3 Anthropogenic pathways are artificial routes capable of conveying contaminants and include such routes as surface water drains, high permeability backfill materials, poorly consolidated Made Ground, mine workings faults, mining induced fissures from subsidence, foundations, and persons disturbing contamination sources in such a way as to liberate contaminants.

5.3.4 Table 3 of the Stantec Guide: methodology presented in **Annex 1** describes the possible pathways for each receptor type.

## Receptor Identification

5.3.5 Potential receptors identified by this assessment and the determination of their sensitivity/value are presented in the tables below. The receptor sensitivity classifications are defined in Table 2 of **Annex 1**.

Table 5.3 Potential Receptors

| Receptor                   | Comment   | Receptor Sensitivity/Value |
|----------------------------|---|----------------------------|
| Human Health – On-site     | <p>Construction and Decommissioning – Ground workers constructing or decommissioning the BESS and National Grid Substation short-term and transient use of public footpaths by members of the public.</p> <p>Operation – Workers / maintenance staff at BESS and National Grid Substation, short-term and transient use of public footpaths by members of the public.</p> | High (4)                   |
| Human Health – Off-site    | <p>Same for Construction and Operation</p> <p>Residents of adjacent properties</p>  | Very High (5)              |
| Groundwater (resource)     | <p>Same for Construction, Operation and Decommissioning</p> <p>Superficial – Lowestoft Formation (Diamicton), Head Deposits = Secondary Undifferentiated Aquifer - predominately clayey / low permeability</p>  | Very Low (1)               |
|                            | <p>Superficial – Peat, Happisburgh Glacigenic Formation = Non-aquifer</p>   | Very Low (1)               |
|                            | <p>Superficial – Lowestoft Formation (sand and gravel), Leet Hill Sand and Gravel Member, Alluvium, River Terrace Deposits – predominantly granular, moderate permeability Secondary A Aquifer</p>  | Low (2)                    |
|                            | <p>Bedrock - Chalk &amp; Crag Group – Principal aquifers overlain by substantial thickness of low permeability Diamicton across a large proportion of the Site. Majority of the Site is located within a groundwater Source Protection Zone 3. No active off-Site abstractions located within 100m.</p>   | High (4)                   |
| Groundwater (biodiversity) | <p>Superficial – Shallow groundwater not anticipated within the cohesive, low-permeability Diamicton. GWDTE identified adjacent to CRC4.</p>  | Low (2)                    |
|                            | <p>Chalk – identified as a WFD RBMP groundwater body with chemical quality of 'Poor'. GWDTE not identified.</p>   | Low (2)                    |

| Receptor                     | Comment  | Receptor Sensitivity/Value |
|------------------------------|--|----------------------------|
| Surface Water (resource)     | WFD RBMP Chemical status of 'Fail'. Abstraction not identified within 0.5 km of BESS and National Grid Substation or 0.25 km of sub-Sites and CRCs. Potential for abstraction limited based on size/flow of nearby surface water bodies. | Eliminated                 |
| Surface Water (biodiversity) | WFD RBMP Ecological status Poor to Moderate  | Moderate (3)               |
| Property - Buildings         | Construction and Decommissioning – No existing structures identified on Site. No listed buildings or archaeological receptors have been identified within 50m of the BESS and National Grid Substation.                                  | Eliminated                 |
|                              | Two Grade I listed buildings and five Grade II listed buildings identified within 50m of the sub-Sites.  | Moderate (3)               |
|                              | Operation - The Scheme within the BESS and National Grid Substation comprises electrical transmission and storage infrastructure. Structures considered to be of regional value.   | Moderate (3)               |
| Terrestrial Ecology          | No nationally or internationally designated ecological receptors identified within 1.0 km of the BESS or National Grid Substation.   | Eliminated                 |
|                              | Multiple SSSI, areas of ancient woodland and a GWDTE are present immediately adjacent to the sub-Sites and CRC.  | High (4)                   |
| Geodiversity                 | The BESS, National Grid Substation, sub-Sites and CRCs are not located within 0.25km of any geologically designated SSSI or geologically designated Local site (RIGS)  | Eliminated                 |

### Soils (Resource)

5.3.6 As per the Town and Country Planning (Development Management Procedure (England) Order) (DMPO) 2015, planning authorities must consult Natural England on all non-agricultural applications that result in the loss of more than 20 hectares of BMV agricultural land.

5.3.7 The BESS and National Grid Substation are both shown on the Natural England 1:250,000 scale Agricultural Land Classification (ALC) map as being located in land described as Grade 3 – Good to Moderate Quality. The construction of these elements of the Scheme will result in a loss of agricultural land. As loss of agricultural land due to construction is not an impact relating to contaminated land, this receptor is not considered further within the land contamination preliminary risk assessment.

5.3.8 The Solar PV Arrays will not require significant in-ground construction works and will comprise 'mini piles' either pile driven or screwed into the ground, that will be no more than 4m deep, on which basis it is not considered that the development would represent a significant 'loss' of agricultural land. There also remains the possibility of the land remaining in agricultural use for livestock grazing.

## 5.4 Risk Estimation

5.4.1 When there is a pollutant linkage (and therefore some measure of risk) it is necessary to determine whether the risk matters and therefore whether further action is required.

5.4.2 Risk estimation involves predicting the likely consequence (what degree of harm the receptor might suffer) and the probability that the consequences will arise (how likely the outcome is given the likely scale of contamination and the probability of exposure).

5.4.3 Preliminary risk estimation is based the evaluation of available data (which has been summarised and presented in this report). Without actual data from physical site investigation works, there is always a degree of uncertainty regarding the actual presence of potentially harmful contamination.

5.4.4 The BESS, National Grid Substation and the sub-Sites and CRCs without on-Site SPCs have been assessed separately from the sub-Sites and CRCs with on-Site SPCs. A further assessment has been undertaken of the risks presented to on-Site human health and property – buildings receptors from off-Site SPCs. For each of these scenarios an over-arching hazard classification score has been assigned as follows:

- BESS, National Grid Substation and sub-Sites and CRCs with no on-Site identified SPCs – **Very Low** (1) with Moderate (3) relating to release of sediment into the deep aquifer should the BESS and/or National Grid Substation have piles that penetrate the superficial deposits.
- Sub-Sites and CRCs with on-Site identified SPCs – **Moderate** (3).
- Off-site sources – **Moderate** (3)

5.4.5 The increased potential for releasing contamination in the sub-Sites and CRCs is a 'worst-case' assessment, due to the presence of areas of on-Site and off-Site SPCs at various points across/adjacent to/near the Site.

5.4.6 The estimated risks for each of the receptors in each of the assessed areas of the Scheme are summarised in the tables below. These should be read in conjunction with the tables in **Annex 7** which set out the classification of risk which is a combination of consequence and probability for each potential pollutant linkage identified for the sources in **Tables 5.1** and **5.2**. Definitions for probability and consequence are in Table 4 and Table 5 of **Annex 1** (respectively).

- 5.4.7 It is noted that where there are multiple receptors within a single class e.g. for groundwater where parts of the site are within a SPZ1, but others are not located within an SPZ, or for human health where residential neighbours may be present adjacent to some areas but absent from others, the ‘worst-case’ sensitivity for that receptor is adopted to provide a conservative assessment.
- 5.4.8 It is assumed that during the decommissioning phase the identified receptors and their assessed sensitivity remain the same as identified during the construction phase. It is also assumed that the works to decommission the Scheme will not generate a greater risk than during the construction phase as the amount of existing contamination (if any) would remain unchanged from the construction phase. However, the likelihood of mobilisation of contamination may vary from the construction phase, depending on the decommissioning works methodology.

Table 5.4 Summary of Estimated Risk – BESS, National Grid Substation and sub-Sites and CRCs Without On-Site SPCs (other than agrichemical residues within agricultural land)

| Receptor   | Construction and Decommissioning Phases without Mitigation                 | Operational Phase without Mitigation |
|--|--|--------------------------------------|
| Human Health – On-site                               | Very Low   | Very Low                             |
| Human Health – Off-site                              | Very Low   | Very Low                             |
| Controlled Waters - Groundwater Shallow (resource)   | Very Low   | Very Low                             |
| Controlled Waters - Groundwater Deep (resource)      | Very Low or Moderate (relates to sediment release and increased Turbidity) | Very Low                             |
| Controlled Waters Groundwater Shallow (biodiversity) | Very Low   | Very Low                             |
| Controlled Waters Groundwater Deep (biodiversity)    | Eliminated   | Eliminated                           |
| Surface Water (resource)                             | Eliminated   | Eliminated                           |
| Surface Water (biodiversity)                         | Very Low   | Very Low                             |
| Terrestrial Ecology                                  | Very Low   | Very Low                             |
| Property (buildings)                                 | Very Low   | Very Low                             |

Table 5.5 Summary of Estimated Risk – Sub-Sites and CRCs With On-Site SPCs

| Receptor   | Construction and Decommissioning Phases without Mitigation  | Operational Phase without Mitigation |
|--|---|--------------------------------------|
| Human Health – On-site   | Moderate, unless undertaking works directly within the area of an identified SPC in which case High | Moderate                             |
| Human Health – Off-site  | Low   | Low                                  |
| Controlled Waters - Groundwater Shallow (resource)                   | Moderate  | Low                                  |
| Controlled Waters - Groundwater Deep (resource)                      | Eliminated  | Eliminated                           |
| Controlled Waters Groundwater Shallow (biodiversity)                 | Low   | Low                                  |
| Controlled Waters Groundwater Deep (biodiversity)                    | Eliminated  | Eliminated                           |
| Surface Water (resource)   | Eliminated  | Eliminated                           |
| Surface Water (biodiversity)   | Low   | Low                                  |
| Terrestrial Ecology  | Moderate  | Low                                  |
| Property (buildings)   | Very Low  | Moderate                             |
| Notes: Relates to sub-Sites 3A and 4B, CRC4, CRC5, CRC7, CRC14 only. |   |                                      |

Table 5.6 Summary of Estimated Risk – Risks to Human Health and Property – Buildings from off-Site Sources

| Receptor               | Construction and Decommissioning Phases without Mitigation | Operational Phase without Mitigation |
|------------------------|--|--------------------------------------|
| Human Health – On-site | Moderate   | Moderate                             |
| Property (buildings)   | Eliminated (no on-Site structures present)                 | Moderate                             |

## 5.5 Risk Evaluation

5.5.1 Possible pollutant linkages are determined using professional judgement. If a linkage is considered plausible with some associated risk, even if estimated to be low, it is considered that this represents a potentially ‘unacceptable risk’ and therefore requires further consideration.



- 5.5.2 Risk reduction can be achieved through implementation of remediation or mitigation measures or through further tiers of assessment following collection of site-specific data.
- 5.5.3 The potential for the above sources of potential contamination to affect receptors (human health, groundwater, surface water, ecology, buildings) has been assessed during the construction phase and the operational phase of the development and a number of plausible contaminant linkages have been identified.

## BESS, National Grid Substation and sub-Sites and CRCs with no Identified on-Site SPCs

- 5.5.4 Within the BESS and National Grid Substation and sub-Sites and CRCs with no on-Site identified SPCs, the estimated risk level for each linkage has been assessed typically as **Very Low** during both the construction and operational phases. This is principally driven by the absence of significant on-Site or off-Site SPCs with a credible migration pathway.
- 5.5.5 For a risk assessed as **Very Low** there is a low possibility that harm could arise to a receptor and in the event of such harm being realised it is not likely to be severe.
- 5.5.6 Mitigation measures will be established by following industry good practice measures e.g. the contractor promoting good hygiene, provision of PPE etc. to reduce human health risks, and by following measures outlined within a Construction Environmental Management Plan (CEMP), such as siting compounds on areas underlain by impermeable strata and away from watercourses / ditches, the use of bunded fuel storage, the maintenance and use of spill kits etc. to reduce risks to controlled waters and ecological receptors.

## Sub-Sites and CRCs (with On-Site SPCs)

- 5.5.7 The estimated risk level for each linkage has been assessed typically as **Low** to **Moderate** during both the construction and operational phases, with localised **High** risks to on-Site human health during the construction phase when working within the areas of identified SPCs.
- 5.5.8 The increased risk to Human Health during the construction phase is principally driven by the increased exposure to soils, and the increased possibility of the dermal contact and inhalation / ingestion pathways being realised. It is anticipated that, following the inclusion of embedded mitigation e.g. the contractor following industry good practice, promoting good hygiene, provision of PPE, that this assessed risk would be reduced to **Low**.
- 5.5.9 The Low and Moderate assessed risks to groundwater and terrestrial ecology during the construction phase are driven by the potential for contamination to occur as a result of construction activities, e.g. through spillages at refuelling areas within a contractor's compound. It is anticipated that by following

measures likely to be outlined within a Construction Environmental Management Plan (CEMP) such as siting compounds on areas underlain by Lowestoft Formation (Diamicton), the use of bunded fuel storage, the maintenance and use of spill kits etc. that this assessed risk would be reduced to **Very Low**.

5.5.10 Embedded mitigation will also be provided by design. The CRCs, for example, are significantly wider than the area needed for the cable trenches, allowing for targeting of optimal routes within the corridors, e.g. to avoid the limited and localised SPCs.

5.5.11 For a risk assessed as **Very Low** there is a low possibility that harm could arise to a receptor and in the event of such harm being realised it is not likely to be severe.

5.5.12 For a risk assessed as **Low** 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

5.5.13 For a risk assessed as **Moderate** 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 (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.

5.5.14 For a risk assessed as **High**, harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.

## Off-Site SPCs

5.5.15 The risks to human health and property – buildings are assessed as Moderate. These risks are assessed as worst-case (e.g. the off-site landfills) and are localised to areas where off-Site sources have been identified.

5.5.16 These risks may be mitigated by design, i.e. avoidance of areas where SPCs have been identified, and where avoidance is not possible, by the investigation of SPCs and appropriate design of the proposed structures e.g. appropriate concrete class design, inclusion of gas protection measures where enclosed structures are proposed in an area where landfill gas risks have been identified, use of clean cover systems to break pathways between near-surface contamination and end-users, etc.

5.5.17 During the construction phase the assessed risks to human health may be mitigated through the contractor following industry good practice, promoting good hygiene, provision of PPE, would reduce the risks to human health to **Low**.

## 6 Climate Change

- 6.1.1 The main climate change assessment is provided in Chapter 12 of the Scoping Report. Further discussion relating to ground conditions-specific aspects of climate change is presented below.
- 6.1.2 The EIA Regulations 2017 introduced a requirement to consider the following:
- The vulnerability of the project to climate change. The following text discusses this in the context of ground conditions.
  - The impact of the project on climate (for example the nature and magnitude of greenhouse gas emissions) – this is not included in this chapter.
- 6.1.3 Climate change requires the design and implementation of land contamination risk management reduction measures to account for Extreme Weather Events (EWE). EWE considers not just the general increase in magnitude such as temperature but also the intensity such as increasingly intense precipitation causing run-off or short-term groundwater level rise of surface flooding. Examples of EWE and the potential effects during construction and operation are presented below:

### Construction

- Increased frequency of extreme weather. 1) Damage, delay, health and safety impacts, increased costs.
- Increased temperatures, prolonged periods of hot weather. e.g. warm and dry conditions exacerbate dust generation and dispersion, health risks to construction workers.
- Increased precipitation and intense periods of rainfall. 1) Flooding of works and soil erosion. 2) Increased risk of contamination of waterbodies due to run-off 3) Disruption to supply of materials and goods.

### Operation

- Increased precipitation, especially in Winter. 1) Flooding. 2) Water scour causing structural damage. 3) Weakening or wash-out of structural soils. 4) Change in ground water level and soil moisture.
- Gales. 1) Damage from wind borne debris. 2) Additional or uneven loading of structures. 3) Disruption and potential danger to crossing users (including pedestrians and cyclists). 4) Damage to trees / landscaping.
- Temperature extremes / dry periods. 1) Stress on structures and technology; 2) Stress on surfaces e.g. difficulties with maintaining required texture depth during construction and operation; 3) Challenges for maintenance regimes.

- 6.1.4 In relation to this assessment, the identified baseline conditions could evolve through changes to long term groundwater levels and increased seasonal variations of groundwater levels potentially affecting geology and soils and therefore structures and other elements of the Scheme that interact with the ground. EWEs leading to more frequent and higher intensity precipitation, or hotter drier conditions could lead to increased erosion/deterioration of unprotected natural surfaces and other effects on Geology and Soils.
- 6.1.5 Consideration of the potential effects of climate change on Ground Conditions leading to impacts on the Scheme will be conducted during detailed design, and suitable design parameters adopted to account for any potential adverse impacts including slope angles and vegetation selection.

## 7 Conclusions and Recommendations

### 7.1 Conclusions

#### BESS and National Grid Substation

- 7.1.1 The BESS and National Grid Substation land have remained as open agricultural land since at least the 1880s. On-Site sources of potential contamination are limited to agrichemical residues resulting from long-term agricultural use (not bulk storage). Off-Site potential sources of contamination are limited to farms within the area surrounding these sub-Sites, where bulk storage of fuels and agrichemicals may have taken place.
- 7.1.2 The potential for the above potential sources of contamination to affect receptors (human health, groundwater, surface water, ecology, buildings) has been assessed during the construction, operational and decommissioning phases of the development and a number of plausible contaminant linkages have been identified. The estimated risk level for each linkage has been assessed as Very Low.
- 7.1.3 For a risk assessed as **Very Low** there is a low possibility that harm could arise to a receptor and in the event of such harm being realised it is not likely to be severe.
- 7.1.4 It is likely that the foundation solution for these structures will be shallow, e.g. ground bearing slabs, strips or pads. Following ground investigation, should piled foundations be found to be required, and if the piles are required to extend to a depth that they would penetrate through the superficial deposits there is the potential for short term temporary release of sediment into the water column depending on the piling technique used. There are private and licensed abstractions which could be impacted by the sediment which is assigned as a **Moderate** risk noting that distance to the private abstractions is not known.

#### Sub-Sites and CRCs

- 7.1.5 The sub-Sites and CRCs have, in the vast majority of the Site, remained as open agricultural land since at least the 1880s. In areas where this is the case, sources of potential contamination are limited to agrichemical residues resulting from long-term agricultural use (not bulk storage).
- 7.1.6 In limited areas there are sub-Sites and CRCs with credible SPCs; identified as follows:
- CRC5 – An historical landfill extends into the north of this sub-Site. The landfill was operated in the 1960s and 1970s and received inert, commercial and liquid sludge wastes.

- CRC7 – A sewage works appears to have been constructed by the early 1950s and remains to the present-day.
- 3A – The former (now demolished) RAF Hardwick airfield occupied parts of this sub-Site.
- 10B, 10C, 10D, 10E, CRC14 – The former (now demolished) RAF Seething airfield occupied parts of these sub-Sites.
- CRC4 – A former, now infilled, clay pit is recorded in the north of this sub-Site.
- 4B – An historical “refuse tip” is recorded in the north of this sub-Site.

7.1.7 Off-Site potential sources of contamination include farms, garages, car breakers / salvage yards, commercial properties (powder coating, fibreglass manufacture) and a further landfill.

7.1.8 The potential for the above potential sources of contamination to affect receptors (human health, groundwater, surface water, ecology, buildings) has been assessed during the construction phase and the operational phase of the development and a number of plausible contaminant linkages have been identified. The estimated risk level for each linkage has been assessed as Very Low for sub-Sites and CRCs where no on-Site potential sources of contamination have been identified, and Low to Moderate (locally High) for sub-Sites and CRCs where on-Site potential sources of contamination have been identified,

7.1.9 For a risk assessed as **Very Low** there is a low possibility that harm could arise to a receptor and in the event of such harm being realised it is not likely to be severe.

7.1.10 For a risk assessed as **Low** 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.

7.1.11 For a risk assessed as **Moderate** 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 (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.

7.1.12 For a risk assessed as **High**, harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.

## 7.2 Land Stability & Geotechnical Considerations

- 7.2.1 The nature and full extent of the strata at the Site have not been determined at the time of writing. In due course this information will be required to inform the detailed design of foundations and infrastructure.
- 7.2.2 The Site is underlain predominantly by cohesive Diamicton deposits of the Lowestoft Formation which is typically of medium volume change potential within the upper, weathered layers. Consideration should be given during the design of the proposals where the Scheme crosses boundaries between strata of differing volume change potential, and thus where differential movements could occur. In order to minimise the risk associated with the potential for shrink swell to affect both the cable route, the solar arrays, the BESS and the National Grid Substation (including any foundations and structures), ground investigation and testing will be needed. Potential risk associated with swelling / shrinkable clays can be mitigated through best practice engineering design in accordance with current British Standards and bespoke industry technical standards produced by the National House Building Council (NHBC) and Building Research Establishment publications.
- 7.2.3 It is understood that the proposed cable will be constructed within an open-cut trench and will be backfilled with a granular fill. The temporary works design for the cable trench should consider impacts upon shallow groundwater flows, e.g. if flows will be obstructed during construction by trench shoring required to maintain an open excavation.
- 7.2.4 The Lowestoft Formation can contain sulphate minerals which in the presence of groundwater and air can give rise to aggressive conditions for buried concrete i.e. the production of chemical agents that are destructive to buried concrete. Whilst this is a naturally occurring hazard / is normal in this stratum, this potential should be considered further and data collected through ground investigation.
- 7.2.5 The potential for dissolution features to be present has been identified based on the mapped geology. Such features should they transmit to the surface could result in differential settlement.

## 7.3 Unexploded Ordnance

- 7.3.1 The UXO constraints assessment (**Annex 6**) has identified that areas of the Scheme are located within areas assessed by Zetica as being at Moderate to High potential of UXO constraint. These are typically associated with historical military airfields and aircraft crashes.
- 7.3.2 Further assessment to delineate the identified UXO hazards is recommended following further development of the design of the Scheme.

## 7.4 Uncertainties and Data Gaps

7.4.1 Whilst the information used in this assessment is considered robust and suitable for purpose, the available ground investigation data relates only to a small proportion of the Site, therefore there is uncertainty around the actual ground conditions beneath the majority of the Site, in particular those parts where sources of potential contamination have been identified.

## 7.5 Recommendations

7.5.1 Based on the preliminary findings we recommend undertaking an Extended Cavities Occurrence Assessment to better define the likelihood of hazard occurrence and implications for the proposed scheme given the likely tolerances of the various elements.

7.5.2 Potentially unacceptable risks associated with possible contamination have been identified (even a very low risk may be unacceptable depending on the perception and risk adversity of the stakeholder) and an intrusive investigation is recommended to characterise the conditions at the Site. The ground investigation should be designed to allow the further evaluation of the pollutant linkages identified and facilitate design requirements for risk reduction measures, if required.

7.5.3 Ground investigation may also be required to provide geotechnical information to assist in the design of the Scheme.

7.5.4 In addition, the following is recommended:

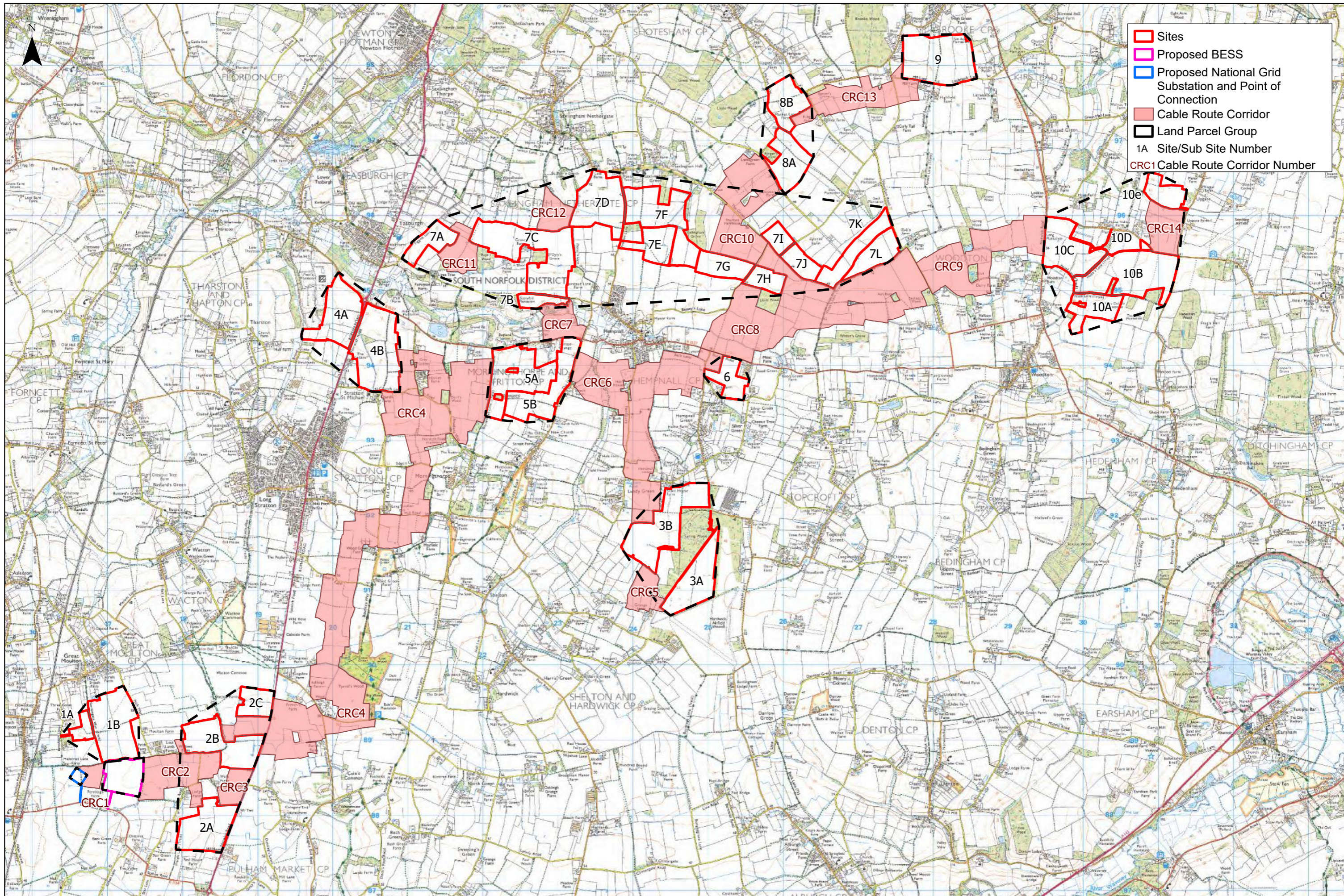
- The recommendations made in the Unexploded Ordnance Constraints Assessment should be reviewed, and any mitigation measures deemed necessary by the Principal Contractor should be enacted during further stages of work.
- The findings of any ecology surveys should be reviewed for the presence of non-native invasive weeds. The presence of which will require management and appropriate timescales for an eradication program.



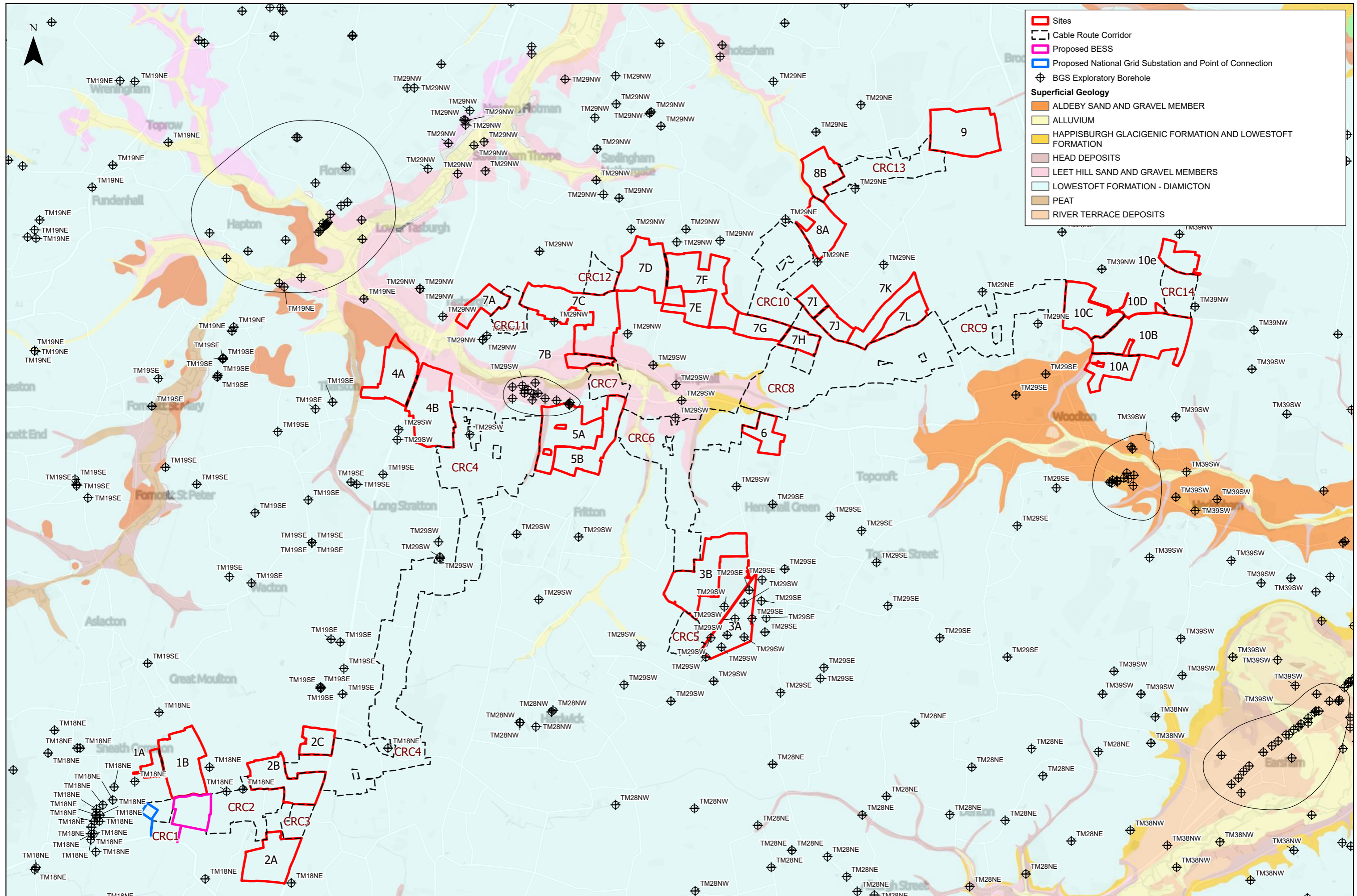
## Essential Guidance for Phase 1 Ground Conditions Assessment Readers

- 1) This report has been prepared within an agreed timeframe and to an agreed budget that will necessarily apply some constraints on its content and usage. The remarks below are presented to assist the reader in understanding the context of this report and any general limitations or constraints. If there are any specific limitations and constraints, they are described in the report text.
- 2) The opinions and recommendations expressed in this report are based on statute, guidance, and best practice current at the time of its publication. Stantec UK Ltd (Stantec) does not accept any liability whatsoever for the consequences of any future legislative changes or the release of subsequent guidance documentation, etc. Such changes may render some of the opinions and advice in this report inappropriate or incorrect and the report should be returned to us and reassessed if required for re-use after one year from date of publication. Following delivery of the report, Stantec has no obligation to advise the Client or any other party of such changes or their repercussions.
- 3) Some of the conclusions in this report may be based on third party data. No guarantee can be given for the accuracy or completeness of any of the third-party data used.
- 4) Historical maps and aerial photographs provide a “snapshot” in time about conditions or activities at the site and cannot be relied upon as indicators of any events or activities that may have taken place at other times. It is possible for developments to have occurred between surveys that are not shown or for the map record to have been censored for military security.
- 5) The absence of cavity records in the Stantec natural and mining cavities (non-coal) databases is not considered as conclusive as to the absence of these features and we do not warranty that the data is complete or error free.
- 6) The conclusions and recommendations made in this report and the opinions expressed are based on the information reviewed and/or the ground conditions encountered in exploratory holes and the results of any field or laboratory testing undertaken. There may be ground conditions at the site that have not been disclosed by the information reviewed or by the investigative work undertaken. Such undisclosed conditions cannot be considered in any analysis and reporting.
- 7) It should be noted that this report is a land condition assessment and does not purport to be an ecological, flood risk or archaeological survey and additional specific surveys may be required.
- 8) The identification of invasive and/or noxious plants such as Japanese Knotweed is outside the remit of our appointment.
- 9) This report has been written for the sole use of the Client stated at the front of the report in relation to a specific development or scheme. The conclusions and recommendations presented herein are only relevant to the scheme or the phase of project under consideration. This report shall not be relied upon or transferred to any other party without the expressed written authorisation of Stantec. Any such party relies upon the report at its own risk.
- 10) The interpretation carried out in this report is based on scientific and engineering appraisal carried out by suitably experienced and qualified technical consultants based on the scope of our engagement. We have not considered the perceptions of, for example, banks, insurers, other funders, lay people, etc., unless the report has been prepared specifically for that purpose. Advice from other specialists may be required such as the legal, planning and architecture professions, whether specifically recommended in our report or not.
- 11) Public or legal consultations or enquiries, or consultation with any Regulatory Bodies (such as the Environment Agency, Natural England or Local Authority) have taken place only as part of this work where specifically stated.

**Figure 1: Site Location Plan**



## Figure 2 Superficial Geology

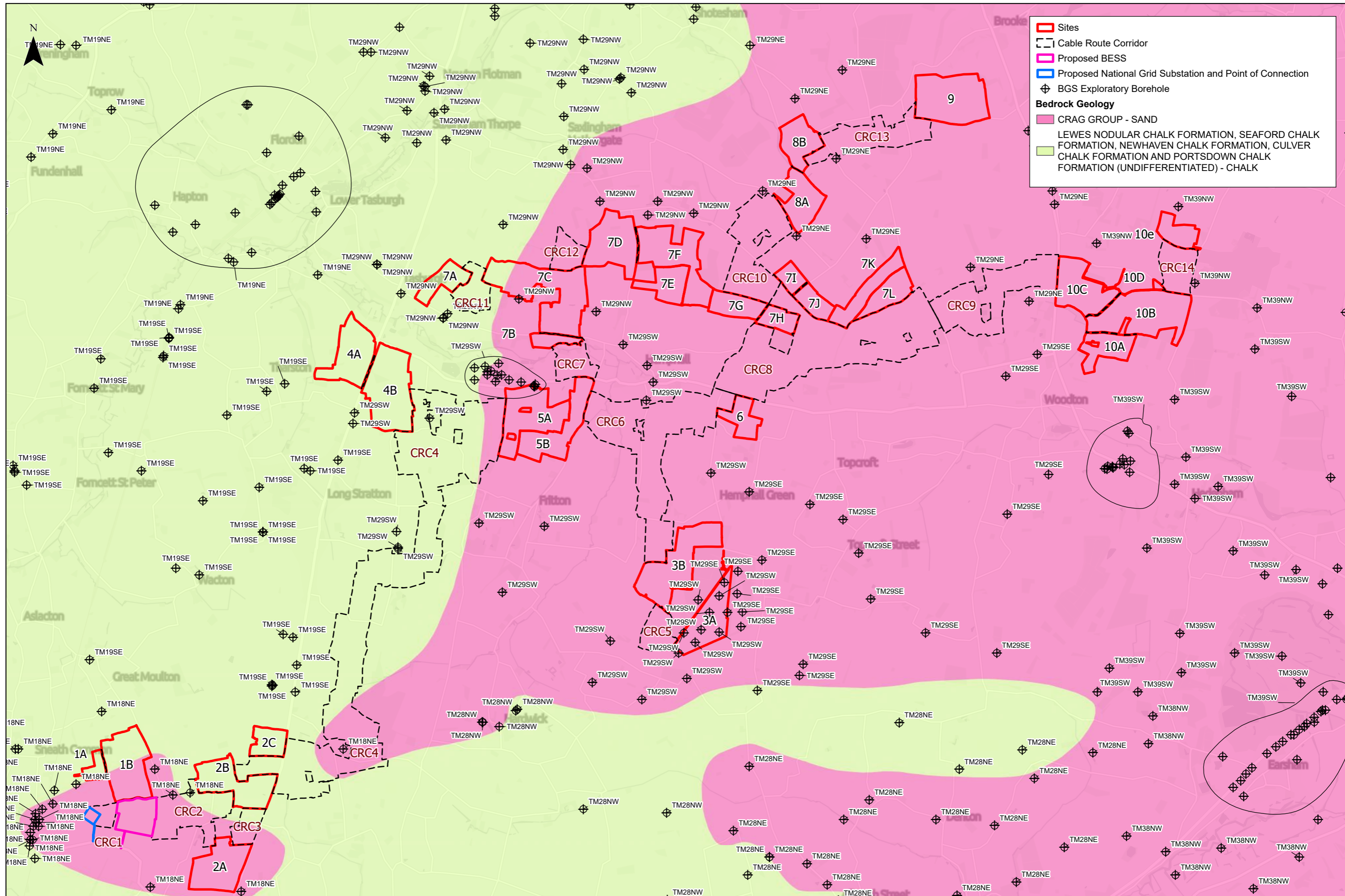


**EAST PYE SOLAR**  
Superficial Geology

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**Figure 3      Bedrock Geology**



**EAST PYE SOLAR**  
Bedrock Geology

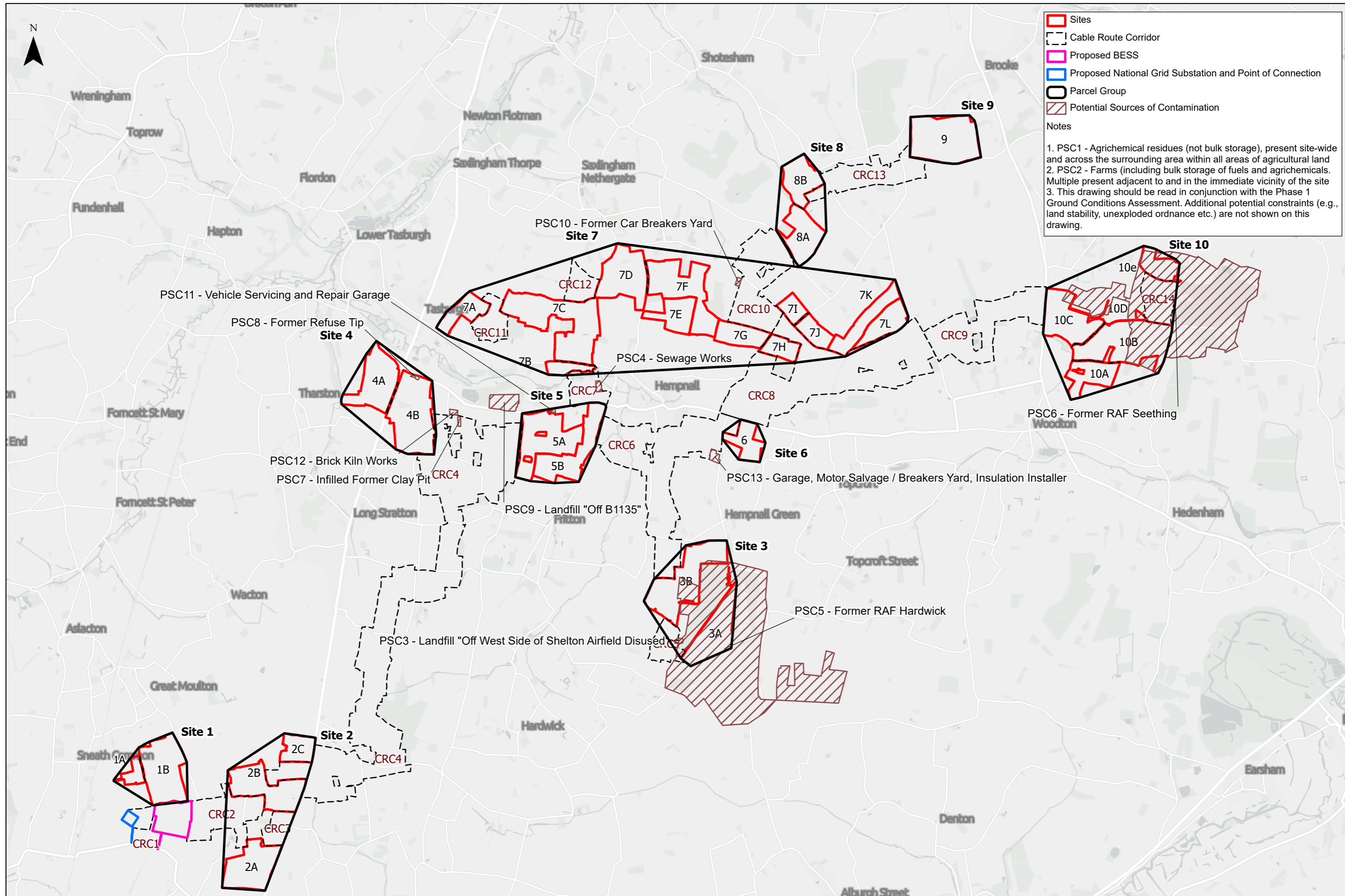


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**Figure 4      Potential Sources of Contamination  
Location Plan**





**Legend**

- Sites
- Cable Route Corridor
- Proposed BESS
- Proposed National Grid Substation and Point of Connection
- Parcel Group
- Potential Sources of Contamination

**Notes**

1. PSC1 - Agrichemical residues (not bulk storage), present site-wide and across the surrounding area within all areas of agricultural land
2. PSC2 - Farms (including bulk storage of fuels and agrichemicals. Multiple present adjacent to and in the immediate vicinity of the site
3. This drawing should be read in conjunction with the Phase 1 Ground Conditions Assessment. Additional potential constraints (e.g., land stability, unexploded ordnance etc.) are not shown on this drawing.



**Client**  
**EAST PYE SOLAR**  
**Potential Sources of Contamination Location Plan**

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**Annex 1      Stantec Guide: Methodology for  
Assessment of Land  
Contamination (England)**

# Stantec Guide: Methodology for Assessment of Land Contamination (England)

## 1 INTRODUCTION

This document defines the approach adopted by Stantec in relation to the assessment of land contamination in England. The aim is for the approach to (i) be systematic and objective, (ii) provide for the assessment of uncertainty and (iii) provide a rational, consistent, transparent framework.

When preparing our methodology, we have made reference to various technical guidance documents and legislation referenced in Section 7 of which the principal documents are (i) Contaminated Land Statutory Guidance (Defra 2012), (ii) online guidance Land Contamination Risk Management (LCRM) accessed from GOV.UK which has replaced Contaminated Land Research (CLR) Report 11: Model Procedures for the Management of Contamination (EA 2004). LCRM has been revised (July 2023) and CLR 11 is archived, (iii) Contaminated land risk assessment: A guide to good practice (C552) (CIRIA 2001) (iv) National Planning Policy Framework (NPPF, 2019) (v) BS 10175 Investigation of potentially contaminated sites - Code of Practice (BSI 2017) and (vi) The series of British Standards on Soil Quality BS 18400.

## 2 DEALING WITH LAND CONTAMINATION

Government policy on land contamination aims to prevent new contaminated land from being created and promotes a risk-based approach to addressing historical contamination. For historical contamination, regulatory intervention is held in reserve for land that meets the legal definition and cannot be dealt with through any other means, including through planning. Land is only considered to be “contaminated land” in the legal sense if it poses an unacceptable risk.

UK legislation on contaminated land is principally contained in Part 2A of the Environmental Protection Act, 1990 (which was inserted into the 1990 Act by section 57 of the Environment Act 1995). Part 2A was introduced in England on 1 April 2000 and provides a risk-based approach to the identification and remediation of land where contamination poses an unacceptable risk to human health or the environment.

The Model Procedures for the Management of Land Contamination (CLR 11), were developed to provide the technical framework for applying a risk management process when dealing with land affected by contamination. The process involves identifying, making decisions on, and taking appropriate action to deal with land contamination in a way that is consistent with government policies and legislation within the UK. The approach, concepts and principles for land contamination management promoted by LCRM (and its predecessor CLR 11) are applied to the determination of planning applications. The guidance given in LCRM follows the same principles.

Other legislative regimes may also provide a means of dealing with land contamination issues, such as the regimes for waste, water, environmental permitting, and environmental damage. Further, the law of statutory nuisance may result in contaminants being unacceptable to third parties whilst not attracting action under Part 2A or other environmental legislation.

### 2.1 Part 2A

The Regulations and Statutory Guidance that accompanied the Act, including the Contaminated Land (England) Regulations 2006, has been revised with the issue of The Contaminated Land (England) (Amendment) Regulations 2012 (SI 2012/263) and the Contaminated Land Statutory Guidance for England 2012.

Part 2A defines contaminated land as “*land which appears to the Local Authority in whose area it is situated to be in such a condition that, by reason of substances in, on or under the land that significant harm is being caused, or there is a significant possibility that such significant harm (SPOSH) could be caused, or significant pollution of controlled waters is being caused, or there is a significant possibility of such pollution (SPOSP) being caused*”.

Harm is defined as “*harm to the health of living organisms or other interference with the ecological systems of which they form part, and in the case of man, includes harm to his property*”.

Part 2A provides a means of dealing with unacceptable risks posed by land contamination to human health and the environment, and under the guidance enforcing authorities should seek to find and deal with such land. It states that “*under Part 2A the starting point should be that land is not contaminated land unless there is reason to consider otherwise. Only land where unacceptable risks are clearly identified, after a risk assessment has been undertaken in accordance with the Guidance, should be considered as meeting the Part 2A definition of contaminated land*”. Further, the guidance makes it clear that “*regulatory decisions should be based on what is reasonably likely, not what is hypothetically possible*”.

The overarching objectives of the Government’s policy on contaminated land and the Part 2A regime are:

- “(a) *To identify and remove unacceptable risks to human health and the environment.*
- (a) *To seek to ensure that contaminated land is made suitable for its current use.*
- (b) *To ensure that the burdens faced by individuals, companies and society as a whole are proportionate, manageable and compatible with the principles of sustainable development*”.

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The enforcing authority may need to decide whether and how to act in situations where decisions are not straight forward, and where there is uncertainty. *“In so doing, the authority should use its judgement to strike a reasonable balance between: (a) dealing with risks raised by contaminants in land and the benefits of remediating land to remove or reduce those risks; and (b) the potential impacts of regulatory intervention including financial costs to whoever will pay for remediation, health and environmental impacts of taking action, property blight, and burdens on affected people”.*

The authority is required to *“take a precautionary approach to the risks raised by contamination, whilst avoiding a disproportionate approach given the circumstances of each case”.* The aim is *“that the regime produces net benefits, taking account of local circumstances”.*

The guidance recognises that *“normal levels of contaminants in soils should not be considered to cause land to qualify as contaminated land, unless there is a particular reason to consider otherwise”.* Normal levels are quoted as:

- a) *natural presence of contaminants’ such as from underlying geology ‘that have not been shown to pose an unacceptable risk to health and the environment*
- b) *...low level diffuse pollution, and common human activity...”*

Similarly the guidance states that significant pollution or significant possibility of significant pollution of controlled waters is required for land to be considered contaminated and the *“fact that substances are merely entering water”* or *“where discharge from land is not discernible at a location immediately downstream”* does not constitute contaminated land.

To help achieve a more targeted approach to identifying and managing contaminated land in relation to the risk (or possibility) of harm to human health, the revised Statutory Guidance presented a new four category system for considering land under Part 2A, ranging from Category 4, where there is no risk that land poses a significant possibility of significant harm (SPOSH), or the level of risk is low, to Category 1, where the risk that land poses a significant possibility of significant harm (SPOSH) is unacceptably high.

For land that cannot be readily placed into Categories 1 or 4 further assessment is required. If there is sufficient concern that the risks could cause significant harm or have the significant possibility of significant harm the land is to be placed into Category 2. If the concern is not met land is considered Category 3.

The technical guidance clearly states that the currently published Soil Guidance Values (SGV's) and Generic Assessment Criteria (GAC's)

represent *“cautious estimates of level of contaminants in soils”* which should be considered *“no risk to health or, at most, a minimal risk”.* These values do not represent the boundary between categories 3 and 4 and *“should be considered to be comfortably within Category 4”.*

At the end of 2013 technical guidance in support of Defra's revised Statutory Guidance (SG) was published and then revised in 2014 (CL: AIRE 2014) with further publications in 2021, 2023 and 2024 which provided:

- A methodology for deriving C4SLs for four generic land-uses comprising residential, commercial, allotments and public open space; and
- A demonstration of the methodology, via the derivation of C4SLs for twelve substances – arsenic, benzene, benzo(a)pyrene, cadmium, chromium (VI), lead, vinyl chloride, trichloroethene, tetrachloroethene, trans-1,2-dichloroethene, cis-1,2-dichloroethene, 1,2-dichloroethane and naphthalene.

For controlled waters, the revised Statutory Guidance states that the following types of pollution should be considered to constitute significant pollution of controlled waters:

- (a) *Pollution equivalent to “environmental damage” to surface water or groundwater as defined by The Environmental Damage (Prevention and Remediation) Regulations 2009, but which cannot be dealt with under those Regulations.*
- (b) *Inputs resulting in deterioration of the quality of water abstracted, or intended to be used in the future, for human consumption such that additional treatment would be required to enable that use.*
- (c) *A breach of a statutory surface water Environment Quality Standard, either directly or via a groundwater pathway.*
- (d) *Input of a substance into groundwater resulting in a significant and sustained upward trend in concentration of contaminants (as defined in Article 2(3) of the Groundwater Daughter Directive (2006/118/EC)).”*

The guidance also states that, in some circumstances, significant concentrations at a compliance point (in groundwater or surface water) may constitute pollution of controlled waters.

As with SPOSH for human health, the revised Statutory Guidance presents a four-category system for Significant Pollution of controlled waters. Category 1 covers land where there is a strong and compelling case for SPOSP, for example where significant pollution would almost certainly occur if no action was taken to avoid it. Category 4 covers

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land where there is no risk or the risk is low, for example, where the land contamination is having no discernible impact on groundwater or surface water quality. Category 2 is for land where the risks posed to controlled waters are not high enough to consider the land as Category 1 but nonetheless are of sufficient concern to constitute SPOSP, Category 3 is for land where the risks posed to controlled waters are higher than low but not of sufficient concern to constitute SPOSP.

### 2.2 Planning

The Local Planning Authority (LPA) is responsible for the control of development, and in doing so it has a duty to take account of all material considerations, including contamination.

The principal planning objective is to ensure that any unacceptable risks to human health, buildings and other property and the natural and historical environment from the contaminated condition of the land are identified so that appropriate action can be considered and taken to address those risks.

The National Planning Policy Framework (NPPF, 2023), includes the following.

Paragraph 124 states that planning policies and decisions should “(c) give substantial weight to the value of using suitable brownfield land within settlements for homes and other identified needs, and support appropriate opportunities to remediate despoiled, degraded, derelict, contaminated or unstable land.”

Paragraph 190 states “Where a site is affected by contamination or land stability issues, responsibility for securing a safe development rests with the developer and/or landowner”.

Paragraph 180 states “planning policies and decisions should contribute to and enhance the natural and local environment by:

- (e) preventing new and existing development from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air, water or noise pollution or land instability. Development should, wherever possible, help to improve local environmental conditions such as air and water quality, taking into account relevant information such as river basin management plans; and
- (f) remediating and mitigating despoiled, degraded, derelict, contaminated and unstable land, where appropriate.”

Paragraph 189 describes the policy considerations the Government expects LPA's to have in regard to land affected by contamination when preparing policies for development plans and in taking decisions on applications.

Paragraph 189 states “planning policies and decisions should ensure that:

- (a) a site is suitable for its proposed use taking account of ground conditions and any risks arising from land instability and contamination. This includes risks arising from natural hazards or former activities such as mining, and any proposals for mitigation including land remediation (as well as potential impacts on the natural environment arising from that remediation);
- (b) after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part IIA of the Environmental Protection Act 1990; and
- c) adequate site investigation information, prepared by a competent person, is available to inform these assessments.”

Paragraph 194 states “The focus of planning policies and decisions should be on whether proposed development is an acceptable use of land, rather than the control of processes or emissions (where these are subject to separate pollution control regimes). Planning decisions should assume that these regimes will operate effectively. Equally, where a planning decision has been made on a development, the planning issues should not be revisited through the permitting regimes operated by pollution control authorities.”

The Glossary in Annex 2 provides the following:

**Brownfield land registers:** Registers of previously developed land that local planning authorities consider to be appropriate for residential development, having regard to criteria in the Town and Country Planning (Brownfield Land Registers) Regulations 2017. Local planning authorities will be able to trigger a grant of permission in principle for residential development on suitable sites in their registers where they follow the required procedures.

**Competent person (to prepare site investigation information):** A person with a recognised relevant qualification, sufficient experience in dealing with the type(s) of pollution or land instability, and membership of a relevant professional organisation.

**Previously developed land:** Land which is or was occupied by a permanent structure, including the curtilage of the developed land (although it should not be assumed that the whole of the curtilage should be developed) and any associated fixed surface infrastructure. This excludes: land that is or was last occupied by agricultural or forestry buildings; land that has been developed for minerals extraction or waste disposal by landfill, where provision for restoration has been made through development management procedures; land in built-up areas such as residential gardens, parks, recreation grounds and allotments; and land that was previously developed but where the

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*remains of the permanent structure or fixed surface structure have blended into the landscape.*

**Site investigation information:** *Includes a risk assessment of land potentially affected by contamination, or ground stability and slope stability reports, as appropriate. All investigations of land potentially affected by contamination should be carried out in accordance with established procedures (such as BS10175 Investigation of Potentially Contaminated Sites – Code of Practice).*

Stantec adopt the principle that a Preliminary Investigation (Desk Study and Site Reconnaissance) and Preliminary Risk Assessment (see below) is the minimum assessment requirement to support a planning application.

The level at which contamination is deemed to be unacceptable, or, gives rise to adverse effects under a planning context has not been identified but is envisaged to be more precautionary than the level required to determine land as contaminated under Part 2A.

### 2.3 Building Control

The building control department of the local authority or private sector approved inspectors are responsible for the operation and enforcement of the Building Regulations (DCLG 2010) to protect the health, safety and welfare of people in and around buildings. Approved Document C requires the protection of buildings and associated land from the effects of contamination, to be applied (non-exclusively) in all changes of use from commercial or industrial premises, to residential property.

## 3 APPROACH

As with CLR11 the guidance given in LCRM presents three stages of land contamination management: -

- (a) Stage 1 - Risk Assessment;
- (b) Stage 2 - Options Appraisal; and
- (c) Stage 3 - Remediation.

Each stage has three tiers. The three tiers of Stage 1 Risk Assessment are: -

- Tier 1 - Preliminary Risk Assessment (PRA) - first tier of RA that develops the outline conceptual model (CM) and establishes whether there are any potentially unacceptable risks.
- Tier 2 - Generic Quantitative Risk Assessment (GQRA) - carried out using generic assessment criteria and assumptions to estimate risk.
- Tier 3 - Detailed Quantitative Risk Assessment (DQRA) - carried out using detailed site-specific information to generate Site Specific

Assessment Criteria (SSAC) as risk evaluation criteria.

For each tier of a Stage 1 - Risk Assessment you must:

1. Identify the hazard - establish contaminant sources.
2. Assess the hazard - use a source-pathway-receptor (S-P-R) pollutant linkage approach to find out if there is the potential for unacceptable risk.
3. Estimate the risk - predict what degree of harm or pollution might result and how likely it is to occur.
4. Evaluate the risk - decide whether a risk is unacceptable.

A Stantec Preliminary Investigation report normally comprises a desk study, walkover site reconnaissance and preliminary risk assessment (PRA). The project specific proposal defines the actual scope of work which might include review of ground investigation data in which case the report includes a GQRA.

Risk estimation involves identifying the magnitude of the potential consequence (taking into account both the potential severity of the hazard and the sensitivity of the receptor) and the magnitude of the likelihood i.e. the probability (taking into account the presence of the hazard and the receptor and the integrity of the pathway). This approach is promoted in current guidance such as R&D 66 (NHBC 2008).

For a PRA, Stantec's approach is that if a pollution linkage is identified then it represents a potentially unacceptable risk which either (1) remediation / direct risk management or (2) progression to further tiers of risk assessment (GQRA and GQRA) requiring additional data collection and enabling refinement of the CM using the site specific data.

## 4 IDENTIFICATION OF POLLUTANT LINKAGES AND DEVELOPMENT OF A CONCEPTUAL MODEL (CM)

For all Tiers of a Stage 1 Risk Assessment, the underlying principle to ground condition assessment is the identification of *pollutant linkages* in order to evaluate whether the presence of a source of contamination could potentially lead to harmful consequences. A pollutant linkage consists of the following three elements: -

- A source/hazard – a substance or situation which has the potential to cause harm or pollution;
- A pathway – a means by which the hazard moves along / generates exposure; and
- A receptor/target – an entity which is vulnerable to the potential adverse effects of the hazard.

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The *Conceptual Model* identifies the types and locations of potential contaminant sources/hazards and potential receptors and potential migration/transportation pathway(s). The CM is refined through progression to further tiers of risk assessment (GQRA and GQRA) requiring additional data collection.

### 4.1 Hazard Identification

A hazard is a substance or situation that has the potential to cause harm. Hazards may be chemical, biological or physical.

In a PRA the potential for hazards to be present is determined from consideration of the previous or ongoing activities on or near to the site in accordance with the criteria presented in the **Table 1**.

Based on the land use information Contaminants of Potential Concern (COPC) are identified. The COPC direct the scope of the collection of site-specific data and the analytical testing selected for subsequent Tiers.

At Tier 2 the site-specific data is evaluated using appropriate published assessment criteria (refer to Stantec document entitled *Rationale for the Selection of Evaluation Criteria for a Generic Quantitative Risk Assessment (GQRA)*). In general, published criteria have been developed using highly conservative assumptions and therefore if the screening criterion is not exceeded (and if enough samples from appropriate locations have been analysed) then the COPC is eliminated as a potential Hazard. It should be noted that exceedance does not necessarily indicate that a site is contaminated and/or unsuitable for use only that the COPC is retained as a potential Hazard. Published criteria are generated using models based on numerous and complex assumptions. Whether or not these assumptions are appropriate or sufficiently protective requires confirmation on a project by project basis. Manipulation of the default assumptions would normally form part of a Tier 3 Detailed Quantitative Risk Assessment (DQRA).

When reviewing or assessing site specific data Stantec utilise published guidance on comparing contamination data with a critical concentration (CL:AIRE/CIEH 2008) which presents a structured

process for employing statistical techniques for data assessment purposes.

### 4.2 Receptor and Pathway Identification

For all Tiers the potential receptors (for both on site and adjoining land) that will be considered are:

- Human Health – including current and future occupiers, construction and future maintenance workers, and neighbouring properties/third parties;
- Ecological Systems;<sup>1</sup>
- Controlled Waters<sup>2</sup> – Under section 78A(9) of Part 2A the term “pollution of controlled waters” means the entry into controlled waters of any poisonous, noxious or polluting matter or any solid waste matter. The term “controlled waters” in relation to England has the same meaning as in Part 3 of the Water Resources Act 1991, except that “ground waters” does not include waters contained in underground strata but above the saturation zone.
- Property - Animal or Crop (including timber; produce grown domestically, or on allotments, for consumption; livestock; other owned or domesticated animals; wild animals which are the subject of shooting or fishing rights); and
- Property - Buildings (any structure or erection, and any part of a building including any part below ground level, but does not include plant or machinery comprised in a building, or buried services such as sewers, water pipes or electricity cables including archaeological sites and ancient monuments).

If a receptor is taken forward for further assessment it will be classified in terms of its sensitivity, the criteria for which are presented in **Table 2**. Table 2 has been generated using descriptions of environmental receptor importance/value given in various guidance documents including R&D 66 (NHBC 2008), EA 2017 and Transport Analysis Guidance (based on DETR 2000). Human health and buildings classifications have been generated by Stantec using the attribute description for each class. Surface water sensitivity is classified using the Water Framework Directive (WFD) status for the River Basin obtained from: <https://environment.data.gov.uk/catchment-planning/>

without such a survey a Land Contamination risk assessment may conclude that the identification of potential ecological receptors is inconclusive (refer to Stantec Specification for a Preliminary Investigation (Desk Study and Site Reconnaissance)).

<sup>2</sup> The definition of “pollution of controlled water” was amended by the introduction of Section 86 of the Water Act 2003. For the purposes of Part 2A groundwater does not include waters above the saturated zone and our assessment does not therefore address perched water other than where development causes a pathway to develop.

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<sup>1</sup> International or nationally designated sites (as defined in the statutory guidance (Defra Circular 04/12)) “*in the local area*” will be identified as potential ecological receptors. A search radius of 1, 2 or 5km will be utilised depending on the site-specific circumstances (see also pathway identification). The Environment Agency has published an ecological risk assessment framework (EA 2008) which promotes (as opposed to statutorily enforces) consideration of additional receptors to include locally protected sites and protected or notable species. These additional potential receptors will only be considered if a Phase 1 habitat survey, undertaken in accordance with guidance (JNCC 1993), is commissioned and the data provided to Stantec. It should be noted that

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The exposure pathway and modes of transport that will be considered are presented in **Table 3**.

### 4.3 Note regarding Ecological Systems

The Environment Agency (EA) has developed an ecological risk assessment framework which aims to provide a structured approach for assessing the risks to ecology from chemical contaminants in soils (EA 2008). In circumstances where contaminants in water represent a potential risk to aquatic ecosystems then risk assessors will need to consider this separately.

The framework consists of a three-tiered process: -

- Tier 1 is a screening step where the site soils chemical data is compared to a soil screening value (SSV)
- Tier 2 uses various tools (including surveys and biological testing) to gather evidence for any harm to the ecological receptors
- Tier 3 seeks to attribute the harm to the chemical contamination

Tier 1 is preceded by a desk study to collate information about the site and the nature of the contamination to assess whether pollutant linkages are feasible. The framework presents ten steps for ecological desk studies and development of a conceptual model as follows.

1. Establish Regulatory Context
2. Collate and Assess Documentary Information
3. Summarise Documentary Information
4. Identify Contaminants of Potential Concern
5. Identify Likely Fate Transport of Contaminants
6. Identify Potential Receptors of Concern
7. Identify Potential Pathways of Concern
8. Create a Conceptual Model
9. Identify Assessment and Measurement Endpoints
10. Identify Gaps and Uncertainties

The information in a standard PRA report covers Steps 1 to 4 inclusive. Step 5 considers fate and transport of contaminants and it should be noted that our standard report adopts a simplified approach considering only transport mechanisms. A simplified approach has also been adopted in respect of Steps 6 and 7 receptors (a detailed review of the ecological attributes has not been undertaken) and pathways (a food chain assessment has not been undertaken). Step 9 is outside the scope of our standard PRA report.

It should be noted that the PRA report will present an assessment for ecological systems (where identified as a receptor for a land contamination assessment) considering the viability of the mode of transport given the site-specific circumstances and not specific pathways. The PRA may conclude that the risk to potential ecological receptors is inconclusive.

### 4.4 Note regarding controlled waters

Controlled waters are rivers, estuaries, coastal waters, lakes and groundwaters, but not perched waters.

The EU Water Framework Directive (WFD) 2000/60/EC provides for the protection of sub-surface, surface, coastal and territorial waters through a framework of river basin management. The EU Updated Water Framework Standards Directive 2014/101/EU amended the EU WFD to update the international standards therein; it entered into force on 20 November 2014 with the requirements for its provisions to be transposed in Member State law by 20 May 2016. Other EU Directives in the European water management framework include:

- the EU Priority Substances Directive 2013/39/EU;
- EU Groundwater Pollutants Threshold Values Directive 2014/80/EU amending the EU Groundwater Directive 2006/118/EC; and
- EU Biological Monitoring Directive 2014/101/EU.

The Ground Water Daughter Directive (GWDD) was enacted by the Groundwater Regulations (2009), which were subsumed by the Environmental Permitting Regulations (2010) which provide essential clarification including on the four objectives specifically for groundwater quality in the WFD: -

Achieve 'Good' groundwater chemical status by 2015, commonly referred to as 'status objective';  
Achieve Drinking Water Protected Area Objectives;  
Implement measures to reverse any significant and sustained upward trend in groundwater quality, referred to as 'trend objective'; and

Prevent or limit the inputs of pollutants into groundwater, commonly referred to as 'prevent or limit' objectives

The Water Act 2003 (Commencement No.11) Order 2012 amends the test for 'contaminated land' which relates to water pollution so that pollution of controlled waters must now be "significant" to meet the definition of contaminated land.

The Water Framework Directive (WFD) requires the preparation, implementation and review of River Basin Management Plans (RBMP) on a six-year cycle. River basins are made up of lakes, rivers, groundwaters, estuaries and coastal waters, together with the land they drain. River Basin Districts (RBD) and the WFD Waterbodies that they comprise are important spatial management units, regularly used in catchment management studies. River Basin Management Plans (RBMP) have been developed for the 11 River Basin Districts in England and Wales.



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These were released by Defra in 2009 (Defra 2009) and updated in 2015.

These RBMP's establish the current status of waters within the catchments of the respective Districts and the current status of adjoining waters identified. As part of a Tier 2 risk assessment water quality data is screened against the WFD assessment criteria. Comparison with the RBMP's current status of waters for the catchment under consideration would form part of a Tier 3 assessment.

### 5 RISK ESTIMATION

Risk estimation classifies what degree of harm might result to a receptor (defined as consequence) and how likely it is that such harm might arise (probability).

At Tier 1 the consequence classification is generated by multiplying the hazard classification score and the receptor sensitivity score. This approach follows that presented in the republished R&D 66 (NHBC 2008).

The criteria for classifying probability are set out in **Table 4** and have been taken directly from Table 6.4 CIRIA C552 (CIRIA 2001). Probability considers the integrity of the exposure pathway.

The consequence classifications detailed in **Table 5** have been adapted from Table 6.3 presented in C552 and R&D 66 (Annex 4 Table A4.3).

The Tier 1 risk classification is estimated for each pollutant linkage using the matrix given in **Table 6** which is taken directly from C552 (Table 6.5).

Subsequent Tiers refine the CM through retention or elimination of potential hazards and pollutant linkages.

### 6 RISK EVALUATION

Evaluation criteria are the parameters used to judge whether harm or pollution needs further assessment or is unacceptable. The evaluation criteria used will depend on:

- the reasons for doing the RA and the regulatory context such as Part 2A or planning;
- the CM and pollutant linkages present;
- any criteria set by regulators;
- any advisory requirements such as from Public Health England;
- the degree of confidence and precaution required;
- the level of confidence required to judge whether a risk is unacceptable;
- how you've used or developed more detailed assessment criteria in the later tiers of RA;
- the availability of robust scientific data;
- how much is known - for example, about the pathway mechanism and how the contaminants affect receptors; and

- any practical reasons such as being able to measure or predict against the criteria.

In order to put the Tier 1 risk classification into context the likely actions are described in **Table 7** which is taken directly from Table 6.6 of C552 (CIRIA 2001).

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BSI 2019 BS 8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings

CIRIA 2001: Contaminated land risk assessment – a guide to good practice C552.

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SC040016/R Environment Agency (EA) September  
2017

JNCC 1993 Handbook for Phase 1 Habitat Survey  
– A Technical for Environmental Audit prepared by  
the Joint Nature Conservancy Council (JNCC)

NHBC/EA/CIEH 2008: R&D Publication 66  
Guidance for the safe development of housing on  
land affected by contamination.

National Planning Policy Framework (February  
2019 revised), published by the Ministry of Housing,  
Communities and Local Government (MHCLG) at:  
[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/1005759/NPPF\\_July\\_2021.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1005759/NPPF_July_2021.pdf)

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**Table 1: Criteria for Classifying Hazards / Potential for Generating Contamination**

| Classification/Score | Potential for generating contamination/gas based on land use   |
|----------------------|--|
| Very Low<br>1        | Land Use: Residential, retail or office use, agriculture<br>Contamination: Limited.<br>Gas generation potential: Soils with low organic content  |
| Low<br>2             | Land Use: Recent small scale industrial and light industry<br>Contamination: locally slightly elevated concentrations.<br>Gas generation potential: Soils with high organic content (limited thickness)  |
| Moderate<br>3        | Land Use: Railway yards, collieries, scrap yards, engineering works.<br>Contamination: Possible widespread slightly elevated concentrations and locally elevated concentrations.<br>Gas generation potential: Dock silt and substantial thickness of organic alluvium/peat |
| High<br>4            | Land Use: Heavy industry, non-hazardous landfills.<br>Contamination: Possible widespread elevated concentrations.<br>Gas generation potential: Shallow mine workings Pre 1960s landfill  |
| Very High<br>5       | Land Use: Hazardous waste landfills, gas works, chemical works,<br>Contamination: Likely widespread elevated concentrations.<br>Gas generation potential: Landfill post 1960   |

*"Greenfield" is land which has not been developed and there has been no use of agrochemicals*

**Table 2: Criteria for Classifying Receptor Sensitivity/Value**

| Classification | Definition  |
|----------------|---|
| Very Low<br>1  | Receptor of limited importance <ul style="list-style-type: none"> <li>Groundwater: Unproductive strata (Strata with negligible significance for water supply or river baseflow) (previously Non-aquifer), Secondary B (water-bearing parts of non-aquifers), Secondary undifferentiated (previously minor or non-aquifer, but information insufficient to classify as secondary A or B)</li> <li>Surface water: WFD Surface Water status Bad</li> <li>Ecology: No local designation</li> <li>Buildings: Replaceable</li> <li>Human health: Unoccupied/limited access</li> </ul> |
| Low<br>2       | Receptor of local or county importance with potential for replacement <ul style="list-style-type: none"> <li>Groundwater: Secondary A aquifer</li> <li>Surface water: WFD Surface Water status Poor</li> <li>Ecology: local habitat resources</li> <li>Buildings: Local value</li> <li>Human health: Minimum score 4 where human health identified as potential receptor</li> </ul>   |
| Moderate<br>3  | Receptor of local or county importance with potential for replacement <ul style="list-style-type: none"> <li>Groundwater: Principal aquifer</li> <li>Surface water: WFD Surface Water status Moderate</li> <li>Ecology: County wildlife sites, Areas of Outstanding Natural Beauty (AONB)</li> <li>Buildings: Area of Historic Character</li> <li>Human health: Minimum score 4 where human health identified as potential receptor</li> </ul>  |
| High<br>4      | Receptor of county or regional importance with limited potential for replacement <ul style="list-style-type: none"> <li>Groundwater: Source Protection Zone 2 or 3</li> <li>Surface water: WFD Surface Water status Good</li> <li>Ecology: SSSI, National or Marine Nature Reserve (NNR or MNR)</li> <li>Buildings: Conservation Area</li> <li>Human health: Minimum score 4 where human health identified as potential receptor</li> </ul>   |
| Very High<br>5 | Receptor of national or international importance <ul style="list-style-type: none"> <li>Groundwater: Source Protection Zone (SPZ) 1</li> <li>Surface water: WFD Surface Water status High</li> <li>Ecology: Special Areas of Conservation (SAC and candidates), Special Protection Areas (SPA and potentials) or wetlands of international importance (RAMSAR)</li> <li>Buildings: World Heritage site</li> <li>Human health: Residential, open spaces and uses where children are present</li> </ul>   |

## Stantec Methodology for Assessment of Land Contamination (England)

**Table 3: Exposure Pathway and Modes of Transport**

| Receptor                  | Pathway           | Mode of transport  |
|---------------------------|-------------------|--|
| <b>Human health</b>       | Ingestion         | Fruit or vegetable leaf or roots   |
|                           |                   | Contaminated water   |
|                           |                   | Soil/dust indoors  |
|                           |                   | Soil/dust outdoors   |
|                           | Inhalation        | Particles (dust / soil) – outdoor  |
|                           |                   | Particles (dust / soil) - indoor   |
|                           |                   | Vapours – outdoor - migration via natural or anthropogenic pathways                          |
|                           |                   | Vapours - indoor - migration via natural or anthropogenic pathways                           |
|                           | Dermal absorption | Direct contact with soil   |
|                           |                   | Direct contact with waters (swimming / showering)  |
| Irradiation               |                   |  |
| <b>Groundwater</b>        | Leaching          | Gravity / permeation   |
|                           | Migration         | Natural – groundwater as pathway<br>Anthropogenic (e.g. boreholes, culverts, pipelines etc.) |
| <b>Surface Water</b>      | Direct            | Runoff or discharges from pipes  |
|                           | Indirect          | Recharge from groundwater  |
|                           | Indirect          | Deposition of windblown dust   |
| <b>Buildings</b>          | Direct contact    | Sulphate attack on concrete, hydrocarbon corrosion of plastics                               |
|                           | Gas ingress       | Migration via natural or anthropogenic paths   |
| <b>Ecological systems</b> | See Notes         | Runoff/discharge to surface water body   |
|                           | See Notes         | Windblown dust   |
|                           | See Notes         | Groundwater migration  |
|                           | See Notes         | At point of contaminant source   |
| <b>Animal and crop</b>    | Direct            | Windblown or flood deposited particles / dust / sediments                                    |
|                           | Indirect          | Plants via root up take or irrigation. Animals through watering                              |
|                           | Inhalation        | By livestock / fish - gas / vapour / particulates / dust                                     |
|                           | Ingestion         | Consumption of vegetation / water / soil by animals  |

**Table 4: Classification of Probability**

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

## Stantec Methodology for Assessment of Land Contamination (England)

**Table 5: Classification of Consequence (score = magnitude of hazard and sensitivity of receptor)**

| <b>Classification Score</b>                                    | <b>Examples</b>  |
|--|--|
| <b>Severe</b><br><b>17-25</b><br><b>(3 out of 25 outcomes)</b> | Human health effect - exposure likely to result in “significant harm” as defined in the Defra (2012) Part 2A Statutory Guidance <sup>1</sup> .<br>Controlled water effect - short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource. Equivalent to EA Category 1 incident (persistent and/or extensive effects on water quality leading to closure of potable abstraction point or loss of amenity, agriculture or commercial value. Major fish kill.<br>Ecological effect - short-term exposure likely to result in a substantial adverse effect.<br>Catastrophic damage to crops, buildings or property |
| <b>Medium</b><br><b>10-16</b><br><b>(7 out of 25 outcomes)</b> | Human health effect - exposure could result in “significant harm” <sup>1</sup> .<br>Controlled water effect - equivalent to EA Category 2 incident requiring notification of abstractor<br>Ecological effect - short-term exposure may result in a substantial adverse effect.<br>Damage to crops, buildings or property   |
| <b>Mild</b><br><b>5-9</b><br><b>(7 out of 25 outcomes)</b>     | Human health effect - exposure may result in “significant harm” <sup>1</sup> .<br>Controlled water effect - equivalent to EA Category 3 incident (short lived and/or minimal effects on water quality).<br>Ecological effect - unlikely to result in a substantial adverse effect.<br>Minor damage to crops, buildings or property. Damage to building rendering it unsafe to occupy (for example foundation damage resulting in instability).   |
| <b>Minor</b><br><b>1-4</b><br><b>(8 out of 25 outcomes)</b>    | No measurable effect on humans. Protective equipment is not required during site works.<br>Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems.<br>Repairable effects to crops, buildings or property. The loss of plants in a landscaping scheme. Discolouration of concrete.   |

<sup>1</sup> Significant harm includes death, disease, serious injury, genetic mutation, birth defects or impairment of reproductive function. The local authority may also consider other health effects to constitute significant harm such as physical injury; gastrointestinal disturbances; respiratory tract effects; cardio-vascular effects; central nervous system effects; skin ailments; effects on organs such as the liver or kidneys; or a wide range of other health impacts. Whether or not these would constitute significant harm would depend on the seriousness of harm including impact on health, quality of life and scale of impact.

**Table 6: Classification of Risk (Combination of Consequence Table 5 and Probability Table 4)**

| <b>Probability</b>     | <b>Consequence</b> |               |             |              |
|------------------------|--------------------|---------------|-------------|--------------|
|                        | <b>Severe</b>      | <b>Medium</b> | <b>Mild</b> | <b>Minor</b> |
| <b>High likelihood</b> | Very high          | High          | Moderate    | Low          |
| <b>Likely</b>          | High               | Moderate      | Moderate/   | Low          |
| <b>Low likelihood</b>  | Moderate           | Moderate      | Low         | Very low     |
| <b>Unlikely</b>        | Low                | Low           | Very low    | Very low     |

## Stantec Methodology for Assessment of Land Contamination (England)

**Table 7: Description of Risks and Likely Action Required**

| <b>Risk Classification</b>   | <b>Description</b>  |
|------------------------------|---|
| <b><i>Very high risk</i></b> | 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 currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation is likely to be required in the short term.   |
| <b><i>High risk</i></b>      | Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability.<br>Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.  |
| <b><i>Moderate risk</i></b>  | 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.<br>Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term. |
| <b><i>Low risk</i></b>       | 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.   |
| <b><i>Very low risk</i></b>  | There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.   |

# Annex 2      Groundsure Report

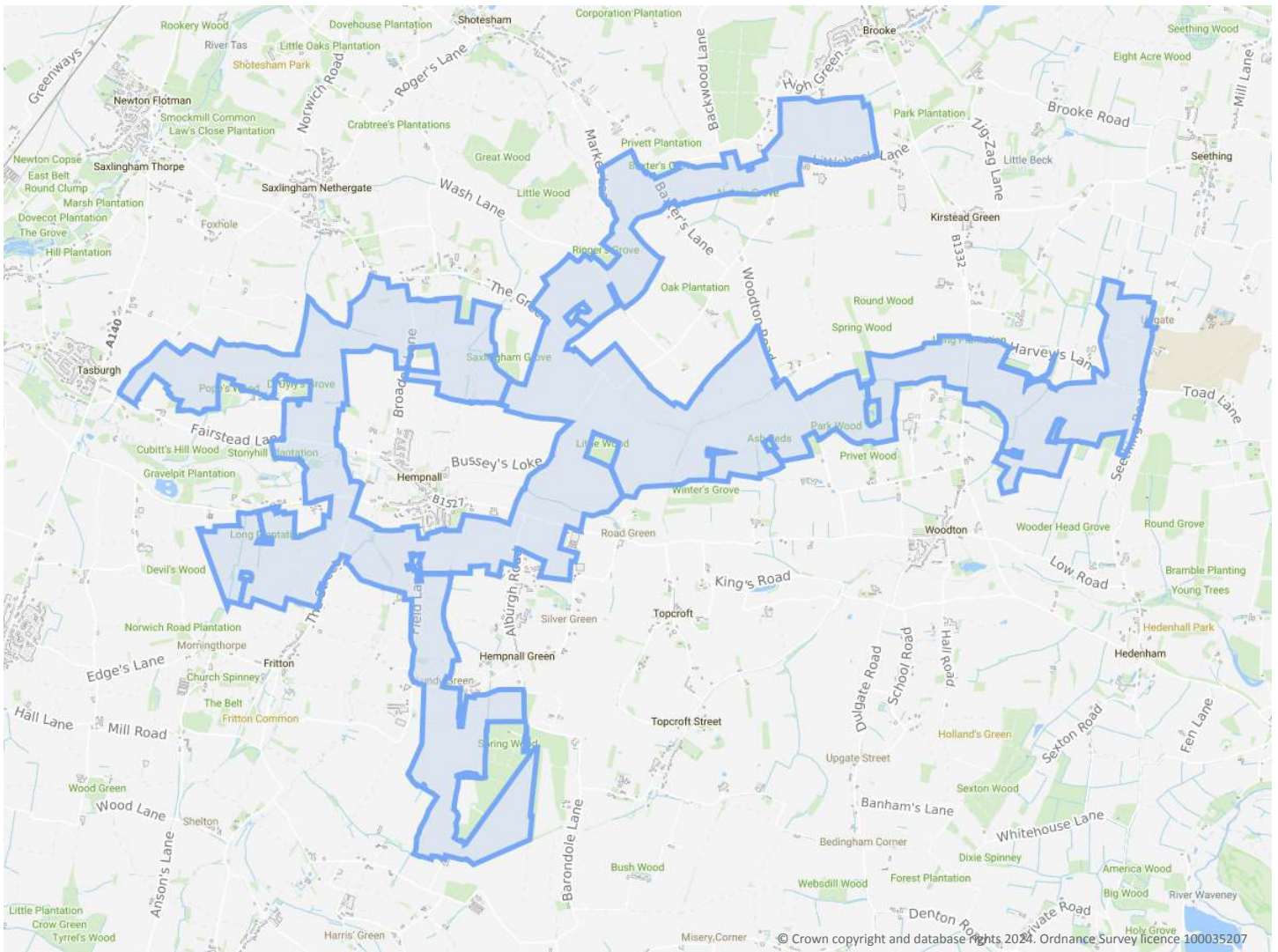
Long Stratton

**Order Details**

**Date:** 23/08/2024  
**Your ref:** East Pye Solar  
**Our Ref:** GSIP-2024-16319-20839\_A

**Site Details**

**Location:** 625678 294876  
**Area:** 1496.36 ha  
**Authority:** [South Norfolk District Council](#) ↗



**Summary of findings**

[p. 2 >](#)

**Aerial image**

[p. 9 >](#)

**OS MasterMap site plan**

N/A: >10ha

[Insight User Guide](#) ↗



## Summary of findings

| Page                     | Section                  | <a href="#">Past land use &gt;</a>                        | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|--------------------------|--------------------------|---|---------|-------|---------|----------|-----------|
| <a href="#">14 &gt;</a>  | <a href="#">1.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a>      | 25      | 11    | 50      | 69       | -         |
| <a href="#">20 &gt;</a>  | <a href="#">1.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                     | 6       | 0     | 3       | 3        | -         |
| <a href="#">21 &gt;</a>  | <a href="#">1.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>           | 0       | 1     | 1       | 9        | -         |
| 22                       | 1.4                      | Historical petrol stations                                | 0       | 0     | 0       | 0        | -         |
| <a href="#">22 &gt;</a>  | <a href="#">1.5 &gt;</a> | <a href="#">Historical garages &gt;</a>                   | 1       | 0     | 1       | 3        | -         |
| 23                       | 1.6                      | Historical military land                                  | 0       | 0     | 0       | 0        | -         |
| Page                     | Section                  | <a href="#">Past land use - un-grouped &gt;</a>           | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">24 &gt;</a>  | <a href="#">2.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a>      | 33      | 13    | 67      | 82       | -         |
| <a href="#">32 &gt;</a>  | <a href="#">2.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                     | 6       | 0     | 3       | 4        | -         |
| <a href="#">32 &gt;</a>  | <a href="#">2.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>           | 0       | 2     | 1       | 17       | -         |
| 33                       | 2.4                      | Historical petrol stations                                | 0       | 0     | 0       | 0        | -         |
| <a href="#">34 &gt;</a>  | <a href="#">2.5 &gt;</a> | <a href="#">Historical garages &gt;</a>                   | 2       | 0     | 2       | 4        | -         |
| Page                     | Section                  | <a href="#">Waste and landfill &gt;</a>                   | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 35                       | 3.1                      | Active or recent landfill                                 | 0       | 0     | 0       | 0        | -         |
| <a href="#">35 &gt;</a>  | <a href="#">3.2 &gt;</a> | <a href="#">Historical landfill (BGS records) &gt;</a>    | 1       | 0     | 0       | 0        | -         |
| 36                       | 3.3                      | Historical landfill (LA/mapping records)                  | 0       | 0     | 0       | 0        | -         |
| <a href="#">36 &gt;</a>  | <a href="#">3.4 &gt;</a> | <a href="#">Historical landfill (EA/NRW records) &gt;</a> | 1       | 0     | 1       | 0        | -         |
| <a href="#">37 &gt;</a>  | <a href="#">3.5 &gt;</a> | <a href="#">Historical waste sites &gt;</a>               | 3       | 0     | 1       | 0        | -         |
| <a href="#">37 &gt;</a>  | <a href="#">3.6 &gt;</a> | <a href="#">Licensed waste sites &gt;</a>                 | 0       | 2     | 11      | 3        | -         |
| <a href="#">42 &gt;</a>  | <a href="#">3.7 &gt;</a> | <a href="#">Waste exemptions &gt;</a>                     | 19      | 46    | 327     | 347      | -         |
| Page                     | Section                  | <a href="#">Current industrial land use &gt;</a>          | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">99 &gt;</a>  | <a href="#">4.1 &gt;</a> | <a href="#">Recent industrial land uses &gt;</a>          | 4       | 7     | 22      | -        | -         |
| <a href="#">102 &gt;</a> | <a href="#">4.2 &gt;</a> | <a href="#">Current or recent petrol stations &gt;</a>    | 0       | 0     | 0       | 1        | -         |
| 102                      | 4.3                      | Electricity cables  | 0       | 0     | 0       | 0        | -         |
| <a href="#">102 &gt;</a> | <a href="#">4.4 &gt;</a> | <a href="#">Gas pipelines &gt;</a>                        | 1       | 0     | 0       | 0        | -         |
| 102                      | 4.5                      | Sites determined as Contaminated Land                     | 0       | 0     | 0       | 0        | -         |



| 103                   | 4.6                    | Control of Major Accident Hazards (COMAH)                      | 0                        | 0     | 0       | 0        | -         |
|-----------------------|------------------------|--|--------------------------|-------|---------|----------|-----------|
| 103                   | 4.7                    | Regulated explosive sites                                      | 0                        | 0     | 0       | 0        | -         |
| <a href="#">103</a> > | <a href="#">4.8</a> >  | <a href="#">Hazardous substance storage/usage</a> >            | 0                        | 0     | 3       | 0        | -         |
| 104                   | 4.9                    | Historical licensed industrial activities (IPC)                | 0                        | 0     | 0       | 0        | -         |
| <a href="#">104</a> > | <a href="#">4.10</a> > | <a href="#">Licensed industrial activities (Part A(1))</a> >   | 0                        | 2     | 21      | 9        | -         |
| 108                   | 4.11                   | Licensed pollutant release (Part A(2)/B)                       | 0                        | 0     | 0       | 0        | -         |
| <a href="#">109</a> > | <a href="#">4.12</a> > | <a href="#">Radioactive Substance Authorisations</a> >         | 0                        | 0     | 0       | 1        | -         |
| <a href="#">109</a> > | <a href="#">4.13</a> > | <a href="#">Licensed Discharges to controlled waters</a> >     | 13                       | 3     | 13      | 18       | -         |
| 116                   | 4.14                   | Pollutant release to surface waters (Red List)                 | 0                        | 0     | 0       | 0        | -         |
| 116                   | 4.15                   | Pollutant release to public sewer                              | 0                        | 0     | 0       | 0        | -         |
| 117                   | 4.16                   | List 1 Dangerous Substances                                    | 0                        | 0     | 0       | 0        | -         |
| <a href="#">117</a> > | <a href="#">4.17</a> > | <a href="#">List 2 Dangerous Substances</a> >                  | 2                        | 0     | 0       | 0        | -         |
| <a href="#">117</a> > | <a href="#">4.18</a> > | <a href="#">Pollution Incidents (EA/NRW)</a> >                 | 3                        | 0     | 5       | 6        | -         |
| <a href="#">119</a> > | <a href="#">4.19</a> > | <a href="#">Pollution inventory substances</a> >               | 0                        | 0     | 8       | 2        | -         |
| <a href="#">122</a> > | <a href="#">4.20</a> > | <a href="#">Pollution inventory waste transfers</a> >          | 0                        | 0     | 3       | 1        | -         |
| 125                   | 4.21                   | Pollution inventory radioactive waste                          | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                | <a href="#">Hydrogeology</a> >                                 | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">126</a> > | <a href="#">5.1</a> >  | <a href="#">Superficial aquifer</a> >                          | Identified (within 500m) |       |         |          |           |
| <a href="#">129</a> > | <a href="#">5.2</a> >  | <a href="#">Bedrock aquifer</a> >                              | Identified (within 500m) |       |         |          |           |
| <a href="#">131</a> > | <a href="#">5.3</a> >  | <a href="#">Groundwater vulnerability</a> >                    | Identified (within 50m)  |       |         |          |           |
| <a href="#">146</a> > | <a href="#">5.4</a> >  | <a href="#">Groundwater vulnerability- soluble rock risk</a> > | Identified (within 0m)   |       |         |          |           |
| 147                   | 5.5                    | Groundwater vulnerability- local information                   | None (within 0m)         |       |         |          |           |
| <a href="#">148</a> > | <a href="#">5.6</a> >  | <a href="#">Groundwater abstractions</a> >                     | 0                        | 2     | 5       | 12       | 15        |
| <a href="#">155</a> > | <a href="#">5.7</a> >  | <a href="#">Surface water abstractions</a> >                   | 0                        | 0     | 0       | 0        | 2         |
| 156                   | 5.8                    | Potable abstractions   | 0                        | 0     | 0       | 0        | 0         |
| <a href="#">156</a> > | <a href="#">5.9</a> >  | <a href="#">Source Protection Zones</a> >                      | 2                        | 0     | 0       | 0        | -         |
| 157                   | 5.10                   | Source Protection Zones (confined aquifer)                     | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                | <a href="#">Hydrology</a> >                                    | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">158</a> > | <a href="#">6.1</a> >  | <a href="#">Water Network (OS MasterMap)</a> >                 | 153                      | 131   | 251     | -        | -         |



| <a href="#">200</a> > | <a href="#">6.2</a> >  | <a href="#">Surface water features</a> >                      | 1  | 55    | 117     | -        | -         |
|-----------------------|------------------------|---|--|-------|---------|----------|-----------|
| <a href="#">200</a> > | <a href="#">6.3</a> >  | <a href="#">WFD Surface water body catchments</a> >           | 4  | -     | -       | -        | -         |
| <a href="#">201</a> > | <a href="#">6.4</a> >  | <a href="#">WFD Surface water bodies</a> >                    | 1  | 0     | 0       | -        | -         |
| <a href="#">201</a> > | <a href="#">6.5</a> >  | <a href="#">WFD Groundwater bodies</a> >                      | 1  | -     | -       | -        | -         |
| Page                  | Section                | <a href="#">River and coastal flooding</a> >                  | On site                                      | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">202</a> > | <a href="#">7.1</a> >  | <a href="#">Risk of flooding from rivers and the sea</a> >    | High (within 50m)                            |       |         |          |           |
| <a href="#">203</a> > | <a href="#">7.2</a> >  | <a href="#">Historical Flood Events</a> >                     | 0  | 0     | 1       | -        | -         |
| 203                   | 7.3                    | Flood Defences  | 0  | 0     | 0       | -        | -         |
| 203                   | 7.4                    | Areas Benefiting from Flood Defences                          | 0  | 0     | 0       | -        | -         |
| 204                   | 7.5                    | Flood Storage Areas   | 0  | 0     | 0       | -        | -         |
| <a href="#">205</a> > | <a href="#">7.6</a> >  | <a href="#">Flood Zone 2</a> >                                | Identified (within 50m)                      |       |         |          |           |
| <a href="#">206</a> > | <a href="#">7.7</a> >  | <a href="#">Flood Zone 3</a> >                                | Identified (within 50m)                      |       |         |          |           |
| Page                  | Section                | <a href="#">Surface water flooding</a> >                      |  |       |         |          |           |
| <a href="#">207</a> > | <a href="#">8.1</a> >  | <a href="#">Surface water flooding</a> >                      | 1 in 30 year, Greater than 1.0m (within 50m) |       |         |          |           |
| Page                  | Section                | <a href="#">Groundwater flooding</a> >                        |  |       |         |          |           |
| <a href="#">209</a> > | <a href="#">9.1</a> >  | <a href="#">Groundwater flooding</a> >                        | Moderate (within 50m)                        |       |         |          |           |
| Page                  | Section                | <a href="#">Environmental designations</a> >                  | On site                                      | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">210</a> > | <a href="#">10.1</a> > | <a href="#">Sites of Special Scientific Interest (SSSI)</a> > | 2  | 0     | 3       | 0        | 3         |
| 211                   | 10.2                   | Conserved wetland sites (Ramsar sites)                        | 0  | 0     | 0       | 0        | 0         |
| 211                   | 10.3                   | Special Areas of Conservation (SAC)                           | 0  | 0     | 0       | 0        | 0         |
| 211                   | 10.4                   | Special Protection Areas (SPA)                                | 0  | 0     | 0       | 0        | 0         |
| 212                   | 10.5                   | National Nature Reserves (NNR)                                | 0  | 0     | 0       | 0        | 0         |
| <a href="#">212</a> > | <a href="#">10.6</a> > | <a href="#">Local Nature Reserves (LNR)</a> >                 | 0  | 0     | 0       | 0        | 1         |
| <a href="#">212</a> > | <a href="#">10.7</a> > | <a href="#">Designated Ancient Woodland</a> >                 | 10   | 0     | 7       | 2        | 9         |
| 214                   | 10.8                   | Biosphere Reserves  | 0  | 0     | 0       | 0        | 0         |
| 214                   | 10.9                   | Forest Parks  | 0  | 0     | 0       | 0        | 0         |
| 214                   | 10.10                  | Marine Conservation Zones                                     | 0  | 0     | 0       | 0        | 0         |
| 214                   | 10.11                  | Green Belt  | 0  | 0     | 0       | 0        | 0         |
| 214                   | 10.12                  | Proposed Ramsar sites   | 0  | 0     | 0       | 0        | 0         |



| 215                      | 10.13                      | Possible Special Areas of Conservation (pSAC)          | 0                        | 0     | 0       | 0        | 0         |
|--------------------------|----------------------------|--|--------------------------|-------|---------|----------|-----------|
| 215                      | 10.14                      | Potential Special Protection Areas (pSPA)              | 0                        | 0     | 0       | 0        | 0         |
| 215                      | 10.15                      | Nitrate Sensitive Areas                                | 0                        | 0     | 0       | 0        | 0         |
| <a href="#">215 &gt;</a> | <a href="#">10.16 &gt;</a> | <a href="#">Nitrate Vulnerable Zones &gt;</a>          | 9                        | 1     | 2       | 0        | 6         |
| <a href="#">217 &gt;</a> | <a href="#">10.17 &gt;</a> | <a href="#">SSSI Impact Risk Zones &gt;</a>            | 55                       | -     | -       | -        | -         |
| <a href="#">244 &gt;</a> | <a href="#">10.18 &gt;</a> | <a href="#">SSSI Units &gt;</a>                        | 2                        | 0     | 4       | 0        | 5         |
| Page                     | Section                    | <a href="#">Visual and cultural designations &gt;</a>  | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 248                      | 11.1                       | World Heritage Sites                                   | 0                        | 0     | 0       | -        | -         |
| 249                      | 11.2                       | Area of Outstanding Natural Beauty                     | 0                        | 0     | 0       | -        | -         |
| 249                      | 11.3                       | National Parks   | 0                        | 0     | 0       | -        | -         |
| <a href="#">249 &gt;</a> | <a href="#">11.4 &gt;</a>  | <a href="#">Listed Buildings &gt;</a>                  | 0                        | 7     | 43      | -        | -         |
| <a href="#">251 &gt;</a> | <a href="#">11.5 &gt;</a>  | <a href="#">Conservation Areas &gt;</a>                | 2                        | 1     | 1       | -        | -         |
| 252                      | 11.6                       | Scheduled Ancient Monuments                            | 0                        | 0     | 0       | -        | -         |
| 252                      | 11.7                       | Registered Parks and Gardens                           | 0                        | 0     | 0       | -        | -         |
| Page                     | Section                    | <a href="#">Agricultural designations &gt;</a>         | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">253 &gt;</a> | <a href="#">12.1 &gt;</a>  | <a href="#">Agricultural Land Classification &gt;</a>  | Grade 3b (within 250m)   |       |         |          |           |
| <a href="#">254 &gt;</a> | <a href="#">12.2 &gt;</a>  | <a href="#">Open Access Land &gt;</a>                  | 2                        | 0     | 16      | -        | -         |
| <a href="#">255 &gt;</a> | <a href="#">12.3 &gt;</a>  | <a href="#">Tree Felling Licences &gt;</a>             | 13                       | 4     | 10      | -        | -         |
| <a href="#">257 &gt;</a> | <a href="#">12.4 &gt;</a>  | <a href="#">Environmental Stewardship Schemes &gt;</a> | 13                       | 1     | 1       | -        | -         |
| <a href="#">257 &gt;</a> | <a href="#">12.5 &gt;</a>  | <a href="#">Countryside Stewardship Schemes &gt;</a>   | 51                       | 14    | 16      | -        | -         |
| Page                     | Section                    | <a href="#">Habitat designations &gt;</a>              | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">261 &gt;</a> | <a href="#">13.1 &gt;</a>  | <a href="#">Priority Habitat Inventory &gt;</a>        | 90                       | 34    | 116     | -        | -         |
| <a href="#">271 &gt;</a> | <a href="#">13.2 &gt;</a>  | <a href="#">Habitat Networks &gt;</a>                  | 8                        | 0     | 4       | -        | -         |
| 271                      | 13.3                       | Open Mosaic Habitat                                    | 0                        | 0     | 0       | -        | -         |
| 272                      | 13.4                       | Limestone Pavement Orders                              | 0                        | 0     | 0       | -        | -         |
| Page                     | Section                    | <a href="#">Geology 1:10,000 scale &gt;</a>            | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">273 &gt;</a> | <a href="#">14.1 &gt;</a>  | <a href="#">10k Availability &gt;</a>                  | Identified (within 500m) |       |         |          |           |
| 274                      | 14.2                       | Artificial and made ground (10k)                       | 0                        | 0     | 0       | 0        | -         |
| <a href="#">275 &gt;</a> | <a href="#">14.3 &gt;</a>  | <a href="#">Superficial geology (10k) &gt;</a>         | 5                        | 0     | 2       | 2        | -         |

| 276                   | 14.4                   | Landslip (10k)  | 0                        | 0     | 0       | 0        | -         |
|-----------------------|------------------------|---|--------------------------|-------|---------|----------|-----------|
| <a href="#">277</a> > | <a href="#">14.5</a> > | <a href="#">Bedrock geology (10k)</a> >               | 3                        | 0     | 0       | 1        | -         |
| 278                   | 14.6                   | Bedrock faults and other linear features (10k)        | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                | <a href="#">Geology 1:50,000 scale</a> >              | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">279</a> > | <a href="#">15.1</a> > | <a href="#">50k Availability</a> >                    | Identified (within 500m) |       |         |          |           |
| 281                   | 15.2                   | Artificial and made ground (50k)                      | 0                        | 0     | 0       | 0        | -         |
| 281                   | 15.3                   | Artificial ground permeability (50k)                  | 0                        | 0     | -       | -        | -         |
| <a href="#">282</a> > | <a href="#">15.4</a> > | <a href="#">Superficial geology (50k)</a> >           | 26                       | 1     | 8       | 6        | -         |
| <a href="#">284</a> > | <a href="#">15.5</a> > | <a href="#">Superficial permeability (50k)</a> >      | Identified (within 50m)  |       |         |          |           |
| 286                   | 15.6                   | Landslip (50k)  | 0                        | 0     | 0       | 0        | -         |
| 286                   | 15.7                   | Landslip permeability (50k)                           | None (within 50m)        |       |         |          |           |
| <a href="#">287</a> > | <a href="#">15.8</a> > | <a href="#">Bedrock geology (50k)</a> >               | 6                        | 0     | 0       | 0        | -         |
| <a href="#">288</a> > | <a href="#">15.9</a> > | <a href="#">Bedrock permeability (50k)</a> >          | Identified (within 50m)  |       |         |          |           |
| 289                   | 15.10                  | Bedrock faults and other linear features (50k)        | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                | <a href="#">Boreholes</a> >                           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">290</a> > | <a href="#">16.1</a> > | <a href="#">BGS Boreholes</a> >                       | 8                        | 7     | 25      | -        | -         |
| Page                  | Section                | <a href="#">Natural ground subsidence</a> >           |                          |       |         |          |           |
| <a href="#">293</a> > | <a href="#">17.1</a> > | <a href="#">Shrink swell clays</a> >                  | Low (within 50m)         |       |         |          |           |
| <a href="#">295</a> > | <a href="#">17.2</a> > | <a href="#">Running sands</a> >                       | Low (within 50m)         |       |         |          |           |
| <a href="#">297</a> > | <a href="#">17.3</a> > | <a href="#">Compressible deposits</a> >               | High (within 50m)        |       |         |          |           |
| <a href="#">299</a> > | <a href="#">17.4</a> > | <a href="#">Collapsible deposits</a> >                | Very low (within 50m)    |       |         |          |           |
| <a href="#">300</a> > | <a href="#">17.5</a> > | <a href="#">Landslides</a> >                          | Low (within 50m)         |       |         |          |           |
| <a href="#">302</a> > | <a href="#">17.6</a> > | <a href="#">Ground dissolution of soluble rocks</a> > | Very low (within 50m)    |       |         |          |           |
| Page                  | Section                | <a href="#">Mining and ground workings</a> >          | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">304</a> > | <a href="#">18.1</a> > | <a href="#">BritPits</a> >                            | 2                        | 0     | 6       | 14       | -         |
| <a href="#">308</a> > | <a href="#">18.2</a> > | <a href="#">Surface ground workings</a> >             | 81                       | 39    | 196     | -        | -         |
| 320                   | 18.3                   | Underground workings                                  | 0                        | 0     | 0       | 0        | 0         |
| 320                   | 18.4                   | Underground mining extents                            | 0                        | 0     | 0       | 0        | -         |
| <a href="#">320</a> > | <a href="#">18.5</a> > | <a href="#">Historical Mineral Planning Areas</a> >   | 0                        | 0     | 2       | 3        | -         |



| <a href="#">321</a> > | <a href="#">18.6</a> > | <a href="#">Non-coal mining</a> >                         | 2                        | 0     | 1       | 2        | 9         |
|-----------------------|------------------------|---|--------------------------|-------|---------|----------|-----------|
| 323                   | 18.7                   | JPB mining areas  | None (within 0m)         |       |         |          |           |
| 323                   | 18.8                   | The Coal Authority non-coal mining                        | 0                        | 0     | 0       | 0        | -         |
| 323                   | 18.9                   | Researched mining   | 0                        | 0     | 0       | 0        | -         |
| 323                   | 18.10                  | Mining record office plans                                | 0                        | 0     | 0       | 0        | -         |
| 324                   | 18.11                  | BGS mine plans  | 0                        | 0     | 0       | 0        | -         |
| 324                   | 18.12                  | Coal mining   | None (within 0m)         |       |         |          |           |
| 324                   | 18.13                  | Brine areas   | None (within 0m)         |       |         |          |           |
| 324                   | 18.14                  | Gypsum areas  | None (within 0m)         |       |         |          |           |
| 324                   | 18.15                  | Tin mining  | None (within 0m)         |       |         |          |           |
| 325                   | 18.16                  | Clay mining   | None (within 0m)         |       |         |          |           |
| Page                  | Section                | <a href="#">Ground cavities and sinkholes</a> >           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 326                   | 19.1                   | Natural cavities  | 0                        | 0     | 0       | 0        | -         |
| 327                   | 19.2                   | Mining cavities   | 0                        | 0     | 0       | 0        | 0         |
| 327                   | 19.3                   | Reported recent incidents                                 | 0                        | 0     | 0       | 0        | -         |
| <a href="#">327</a> > | <a href="#">19.4</a> > | <a href="#">Historical incidents</a> >                    | 1                        | 0     | 0       | 0        | -         |
| 328                   | 19.5                   | National karst database                                   | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                | <a href="#">Radon</a> >                                   |                          |       |         |          |           |
| <a href="#">329</a> > | <a href="#">20.1</a> > | <a href="#">Radon</a> >                                   | Less than 1% (within 0m) |       |         |          |           |
| Page                  | Section                | <a href="#">Soil chemistry</a> >                          | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">331</a> > | <a href="#">21.1</a> > | <a href="#">BGS Estimated Background Soil Chemistry</a> > | 294                      | 26    | -       | -        | -         |
| 349                   | 21.2                   | BGS Estimated Urban Soil Chemistry                        | 0                        | 0     | -       | -        | -         |
| 349                   | 21.3                   | BGS Measured Urban Soil Chemistry                         | 0                        | 0     | -       | -        | -         |
| Page                  | Section                | <a href="#">Railway infrastructure and projects</a>       | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 350                   | 22.1                   | Underground railways (London)                             | 0                        | 0     | 0       | -        | -         |
| 350                   | 22.2                   | Underground railways (Non-London)                         | 0                        | 0     | 0       | -        | -         |
| 350                   | 22.3                   | Railway tunnels   | 0                        | 0     | 0       | -        | -         |
| 350                   | 22.4                   | Historical railway and tunnel features                    | 0                        | 0     | 0       | -        | -         |
| 350                   | 22.5                   | Royal Mail tunnels  | 0                        | 0     | 0       | -        | -         |



|     |       |                     |   |   |   |   |   |
|-----|-------|---------------------|---|---|---|---|---|
| 351 | 22.6  | Historical railways | 0 | 0 | 0 | - | - |
| 351 | 22.7  | Railways            | 0 | 0 | 0 | - | - |
| 351 | 22.8  | Crossrail 1         | 0 | 0 | 0 | 0 | - |
| 351 | 22.9  | Crossrail 2         | 0 | 0 | 0 | 0 | - |
| 351 | 22.10 | HS2                 | 0 | 0 | 0 | 0 | - |

## Recent aerial photograph



Capture Date: 11/04/2020

Site Area: 1496.36ha



Contact us with any questions at:

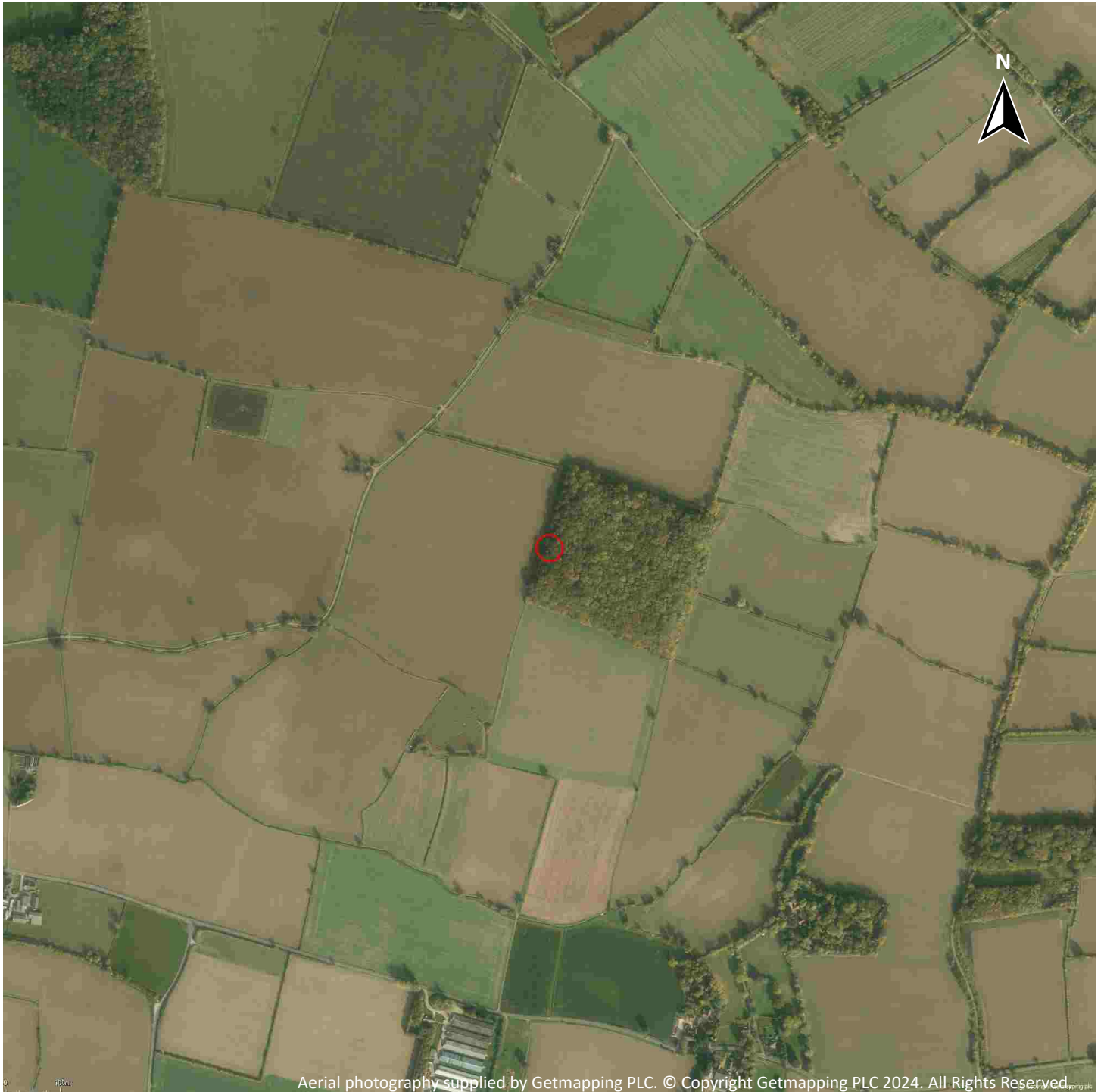
[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024



## Recent site history - 2017 aerial photograph



Capture Date: 17/10/2017

Site Area: 1496.36ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

## Recent site history - 2010 aerial photograph



Capture Date: 23/06/2010

Site Area: 1496.36ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

## Recent site history - 2006 aerial photograph



Capture Date: 11/09/2006

Site Area: 1496.36ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

## Recent site history - 1999 aerial photograph



Capture Date: 25/06/1999

Site Area: 1496.36ha



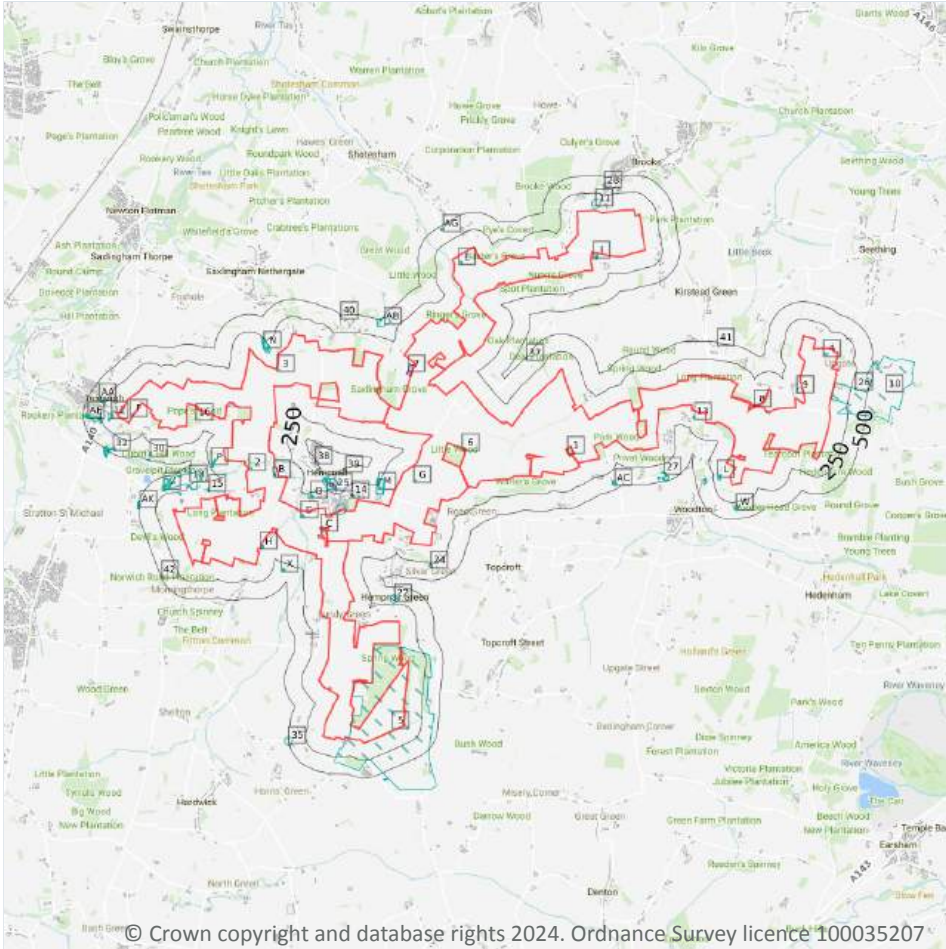
Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

# 1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

## 1.1 Historical industrial land uses

**Records within 500m** **155**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| 1  | On site  | Unspecified Beds | 1979          | 2359586  |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| 2  | On site  | Unspecified Ground Workings | 1881          | 2360464  |
| 3  | On site  | Unspecified Hole            | 1907          | 2361039  |
| 4  | On site  | Unspecified Heap            | 1973          | 2361308  |
| 5  | On site  | Disused Airfield            | 1979          | 2364106  |
| 6  | On site  | Unspecified Pit             | 1907          | 2382679  |
| A  | On site  | Electric Substation         | 1979          | 2355565  |
| B  | On site  | Unspecified Tank            | 1979          | 2357054  |
| B  | On site  | Sewage Works                | 1979          | 2358387  |
| B  | On site  | Unspecified Tanks           | 1979          | 2360197  |
| C  | On site  | Corn Windmill               | 1883          | 2359222  |
| C  | On site  | Disused Windmill            | 1946          | 2373749  |
| D  | On site  | Unspecified Pit             | 1906          | 2363514  |
| D  | On site  | Unspecified Pit             | 1946 - 1951   | 2376860  |
| E  | On site  | Unspecified Pit             | 1957          | 2366249  |
| E  | On site  | Unspecified Pit             | 1881          | 2374671  |
| E  | On site  | Unspecified Pit             | 1946          | 2378484  |
| E  | On site  | Unspecified Pit             | 1907          | 2379851  |
| F  | On site  | Unspecified Pit             | 1946 - 1951   | 2369222  |
| F  | On site  | Unspecified Pit             | 1883          | 2377329  |
| F  | On site  | Unspecified Pit             | 1907          | 2378827  |
| G  | On site  | Unspecified Pit             | 1907          | 2370046  |
| G  | On site  | Unspecified Pit             | 1881          | 2370228  |
| G  | On site  | Unspecified Pit             | 1951          | 2370815  |
| G  | On site  | Unspecified Pit             | 1946          | 2382449  |
| C  | 2m SW    | Disused Windmill            | 1906          | 2372592  |
| 8  | 3m E     | Unspecified Pit             | 1973          | 2354974  |
| H  | 4m SW    | Smithy                      | 1946 - 1951   | 2367146  |
| H  | 5m SW    | Smithy                      | 1883          | 2364448  |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| 9  | 6m E     | Unspecified Works           | 1973          | 2362157  |
| H  | 8m SW    | Smithy                      | 1906          | 2375123  |
| 10 | 8m E     | Airfield                    | 1973          | 2357800  |
| I  | 8m NE    | Corn Mill                   | 1884          | 2358193  |
| 11 | 36m NE   | Pumping Station             | 1978          | 2354419  |
| J  | 43m SW   | Unspecified Pit             | 1907          | 2380455  |
| J  | 45m SW   | Unspecified Pit             | 1946          | 2364661  |
| I  | 52m NE   | Unspecified Tank            | 1884          | 2357207  |
| K  | 57m W    | Unspecified Pit             | 1946          | 2365427  |
| K  | 59m W    | Unspecified Pit             | 1951          | 2382833  |
| K  | 59m W    | Unspecified Pit             | 1907          | 2372534  |
| K  | 60m W    | Unspecified Pit             | 1883          | 2373604  |
| 12 | 65m W    | Unspecified Pit             | 1951          | 2354954  |
| 13 | 74m E    | Unspecified Pit             | 1907 - 1957   | 2366652  |
| 15 | 117m W   | Unspecified Ground Workings | 1883          | 2360466  |
| L  | 126m E   | Unspecified Pit             | 1884          | 2354939  |
| M  | 127m SW  | Burial Ground               | 1907          | 2363611  |
| N  | 127m NW  | Brick Works                 | 1907          | 2379792  |
| O  | 130m W   | Unspecified Pit             | 1907          | 2374859  |
| O  | 130m W   | Unspecified Pit             | 1946          | 2363253  |
| O  | 130m W   | Unspecified Pit             | 1883          | 2377632  |
| O  | 133m W   | Unspecified Pit             | 1951          | 2379481  |
| M  | 133m SW  | Burial Ground               | 1881          | 2370072  |
| M  | 133m SW  | Burial Ground               | 1946          | 2374048  |
| P  | 136m W   | Unspecified Ground Workings | 1883          | 2370469  |
| P  | 141m W   | Unspecified Ground Workings | 1946          | 2365562  |
| L  | 142m E   | Unspecified Pit             | 1907          | 2368495  |
| P  | 143m W   | Unspecified Ground Workings | 1951          | 2370726  |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| P  | 143m W   | Unspecified Ground Workings | 1907          | 2370733  |
| L  | 144m E   | Unspecified Pit             | 1951          | 2366295  |
| N  | 151m NW  | Brick Works                 | 1946          | 2375751  |
| 18 | 153m W   | Sand and Gravel Pit         | 1979          | 2362771  |
| N  | 154m NW  | Unspecified Pit             | 1907          | 2370843  |
| N  | 155m NW  | Unspecified Pit             | 1946          | 2378905  |
| N  | 155m NW  | Unspecified Pit             | 1951          | 2380344  |
| Q  | 162m W   | Windmill                    | 1946          | 2368235  |
| Q  | 163m W   | Windmill                    | 1907          | 2370904  |
| Q  | 163m W   | Windmill                    | 1951          | 2368505  |
| Q  | 166m W   | Corn Windmill               | 1881          | 2359224  |
| Q  | 167m W   | Disused Windmill            | 1979          | 2357950  |
| N  | 174m NW  | Unspecified Pit             | 1946          | 2373842  |
| N  | 174m NW  | Unspecified Pit             | 1951          | 2366526  |
| N  | 176m NW  | Unspecified Pit             | 1907          | 2383277  |
| N  | 182m NW  | Unspecified Pit             | 1951          | 2375061  |
| N  | 183m NW  | Unspecified Pits            | 1946          | 2354294  |
| N  | 184m NW  | Unspecified Pit             | 1907          | 2376627  |
| N  | 191m NW  | Unspecified Pit             | 1951          | 2368995  |
| N  | 193m NW  | Unspecified Pit             | 1907          | 2371922  |
| R  | 194m W   | Unspecified Pit             | 1951          | 2375003  |
| R  | 195m W   | Unspecified Pit             | 1883 - 1946   | 2364481  |
| N  | 196m NW  | Unspecified Tank            | 1907          | 2357208  |
| M  | 233m SW  | Unspecified Pit             | 1946          | 2370269  |
| M  | 234m SW  | Unspecified Pit             | 1951 - 1979   | 2383236  |
| 19 | 238m W   | Unspecified Pits            | 1883          | 2354267  |
| M  | 243m SW  | Gravel Pit                  | 1881          | 2359751  |
| S  | 245m W   | Unspecified Pit             | 1946          | 2365504  |





| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| S  | 247m W   | Unspecified Pit             | 1907          | 2371449  |
| S  | 251m W   | Unspecified Pit             | 1951          | 2372423  |
| 21 | 272m W   | Gravel Pit                  | 1883          | 2359848  |
| 22 | 273m S   | Smithy                      | 1883          | 2355966  |
| T  | 274m W   | Unspecified Works           | 1979          | 2362100  |
| U  | 275m W   | Smithy                      | 1883          | 2356049  |
| U  | 277m W   | Smithy                      | 1907          | 2376981  |
| U  | 278m W   | Smithy                      | 1946          | 2379063  |
| 24 | 278m S   | Sawmill                     | 1979          | 2358888  |
| U  | 282m W   | Smithy                      | 1951          | 2356050  |
| V  | 306m W   | Gravel Pit                  | 1946          | 2364468  |
| 26 | 307m E   | Unspecified Tank            | 1946          | 2357225  |
| V  | 308m W   | Unspecified Pits            | 1951          | 2354266  |
| W  | 309m E   | Unspecified Pit             | 1951          | 2370200  |
| W  | 314m E   | Unspecified Pit             | 1928          | 2367693  |
| W  | 316m E   | Unspecified Pit             | 1903          | 2371578  |
| W  | 316m E   | Unspecified Pit             | 1946          | 2371584  |
| X  | 328m SW  | Unspecified Pit             | 1946          | 2372146  |
| X  | 329m SW  | Unspecified Pit             | 1951          | 2379945  |
| X  | 330m SW  | Unspecified Pit             | 1906          | 2365341  |
| V  | 335m W   | Gravel Pit                  | 1883 - 1907   | 2380260  |
| Y  | 336m W   | Smithy                      | 1951          | 2379699  |
| Z  | 338m E   | Smithy                      | 1907          | 2356045  |
| W  | 344m E   | Unspecified Pit             | 1884          | 2380700  |
| Z  | 345m E   | Smithy                      | 1884          | 2363702  |
| Z  | 345m E   | Smithy                      | 1946 - 1951   | 2374693  |
| 27 | 368m E   | Unspecified Ground Workings | 1884          | 2360555  |
| AB | 369m NW  | Brick Field                 | 1881          | 2356361  |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| AC | 374m E   | Unspecified Pit             | 1951          | 2372930  |
| V  | 377m W   | Gravel Pit                  | 1951          | 2381548  |
| 29 | 378m E   | Unspecified Tank            | 1884          | 2357196  |
| AC | 378m E   | Unspecified Pit             | 1907          | 2367869  |
| AC | 380m E   | Unspecified Pit             | 1946          | 2366138  |
| 30 | 384m W   | Unspecified Disused Pit     | 1979          | 2356494  |
| Y  | 385m W   | Smithy                      | 1946          | 2372046  |
| AC | 390m E   | Sand Pit                    | 1884          | 2361696  |
| Y  | 393m W   | Smithy                      | 1907          | 2375873  |
| Y  | 404m W   | Smithy                      | 1881          | 2376031  |
| AD | 414m E   | Unspecified Disused Pit     | 1979          | 2356569  |
| AD | 414m E   | Sand Pit                    | 1951          | 2378725  |
| AE | 419m W   | Unspecified Pit             | 1946          | 2363576  |
| 31 | 420m E   | Gravel Pit                  | 1884          | 2359842  |
| AE | 421m W   | Unspecified Pit             | 1907          | 2376296  |
| AD | 422m E   | Sand Pit                    | 1907 - 1946   | 2380639  |
| AE | 422m W   | Unspecified Pit             | 1951          | 2375312  |
| AD | 426m E   | Sand Pit                    | 1884          | 2365538  |
| 32 | 427m W   | Unspecified Ground Workings | 1951          | 2360463  |
| 33 | 433m NW  | Unspecified Heap            | 1881          | 2361306  |
| AF | 440m W   | Unspecified Pit             | 1946          | 2380011  |
| 34 | 440m W   | Unspecified Pit             | 1883          | 2354712  |
| AF | 442m W   | Unspecified Pit             | 1907          | 2370567  |
| 35 | 443m SW  | Smithy                      | 1906 - 1946   | 2379014  |
| AG | 444m N   | Unspecified Pit             | 1946          | 2370715  |
| AG | 445m N   | Unspecified Pit             | 1957          | 2377368  |
| AG | 446m N   | Unspecified Pit             | 1881          | 2376779  |
| AH | 458m W   | Unspecified Pits            | 1946          | 2378076  |



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| AH | 458m W   | Unspecified Pits | 1883          | 2378378  |
| AH | 461m W   | Unspecified Pit  | 1907          | 2366913  |
| AH | 464m W   | Unspecified Pits | 1951          | 2369411  |
| 37 | 467m NE  | Unspecified Pit  | 1957          | 2354973  |
| 40 | 474m NW  | Pumping Station  | 1977          | 2354434  |
| AJ | 477m W   | Unspecified Pit  | 1907          | 2369853  |
| AJ | 478m W   | Unspecified Pit  | 1951          | 2377829  |
| AB | 481m NW  | Old Brick Kiln   | 1907 - 1946   | 2381033  |
| 41 | 482m E   | Unspecified Tank | 1884          | 2357206  |
| AK | 484m W   | Unspecified Pit  | 1946          | 2369031  |
| AK | 486m W   | Unspecified Pit  | 1951          | 2369878  |
| AK | 487m W   | Unspecified Pit  | 1907          | 2364037  |
| AB | 487m NW  | Unspecified Kiln | 1881          | 2357522  |
| AH | 499m W   | Unspecified Pit  | 1979          | 2369781  |

This data is sourced from Ordnance Survey / Groundsure.

## 1.2 Historical tanks

**Records within 500m**

**12**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

| ID       | Location       | Land use                | Dates present | Group ID      |
|----------|----------------|-------------------------|---------------|---------------|
| <b>B</b> | <b>On site</b> | <b>Unspecified Tank</b> | <b>1995</b>   | <b>436940</b> |
| <b>B</b> | <b>On site</b> | <b>Tanks</b>            | <b>1985</b>   | <b>439340</b> |
| <b>B</b> | <b>On site</b> | <b>Tanks</b>            | <b>1959</b>   | <b>440074</b> |
| <b>B</b> | <b>On site</b> | <b>Tanks</b>            | <b>1985</b>   | <b>441029</b> |



| ID       | Location       | Land use         | Dates present | Group ID      |
|----------|----------------|------------------|---------------|---------------|
| <b>B</b> | <b>On site</b> | <b>Tanks</b>     | <b>1976</b>   | <b>441053</b> |
| <b>B</b> | <b>On site</b> | <b>Tanks</b>     | <b>1959</b>   | <b>441849</b> |
| 16       | 128m W         | Unspecified Tank | 1884          | 436930        |
| 17       | 137m NE        | Unspecified Tank | 1905          | 437421        |
| 20       | 249m S         | Tanks            | 1999          | 438125        |
| 23       | 274m W         | Unspecified Tank | 1995          | 436941        |
| 39       | 472m W         | Unspecified Tank | 1976 - 1995   | 440861        |
| 42       | 488m SW        | Tanks            | 1976          | 438127        |

This data is sourced from Ordnance Survey / Groundsure.

### 1.3 Historical energy features

**Records within 500m**

**11**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| A  | 5m SW    | Electricity Substation | 1976 - 1995   | 328095   |
| Q  | 177m W   | Electricity Substation | 1995          | 327840   |
| T  | 358m W   | Electricity Substation | 1976 - 1995   | 331194   |
| AA | 368m W   | Electricity Substation | 1959          | 327997   |
| AA | 368m W   | Electricity Substation | 1984 - 1995   | 328562   |
| 28 | 368m NE  | Electricity Substation | 1974          | 327836   |
| AA | 371m W   | Electricity Substation | 1974          | 331140   |
| 36 | 449m NE  | Electricity Substation | 1974          | 327837   |
| AI | 459m W   | Electricity Substation | 1959 - 1984   | 330780   |
| AI | 460m W   | Electricity Substation | 1995          | 328355   |



| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| 38 | 468m W   | Electricity Substation | 1985 - 1995   | 330115   |

This data is sourced from Ordnance Survey / Groundsure.

## 1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

## 1.5 Historical garages

Records within 500m

5

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

| ID       | Location       | Land use                  | Dates present | Group ID     |
|----------|----------------|---------------------------|---------------|--------------|
| <b>7</b> | <b>On site</b> | <b>Car Breaker's Yard</b> | <b>1995</b>   | <b>97494</b> |
| 14       | 79m SW         | Garage                    | 1976 - 1995   | 98267        |
| 25       | 286m W         | Garage                    | 1976 - 1995   | 97871        |
| T        | 325m W         | Garage                    | 1995          | 97299        |
| Z        | 341m E         | Garage                    | 1977          | 97313        |

This data is sourced from Ordnance Survey / Groundsure.



## 1.6 Historical military land

Records within 500m

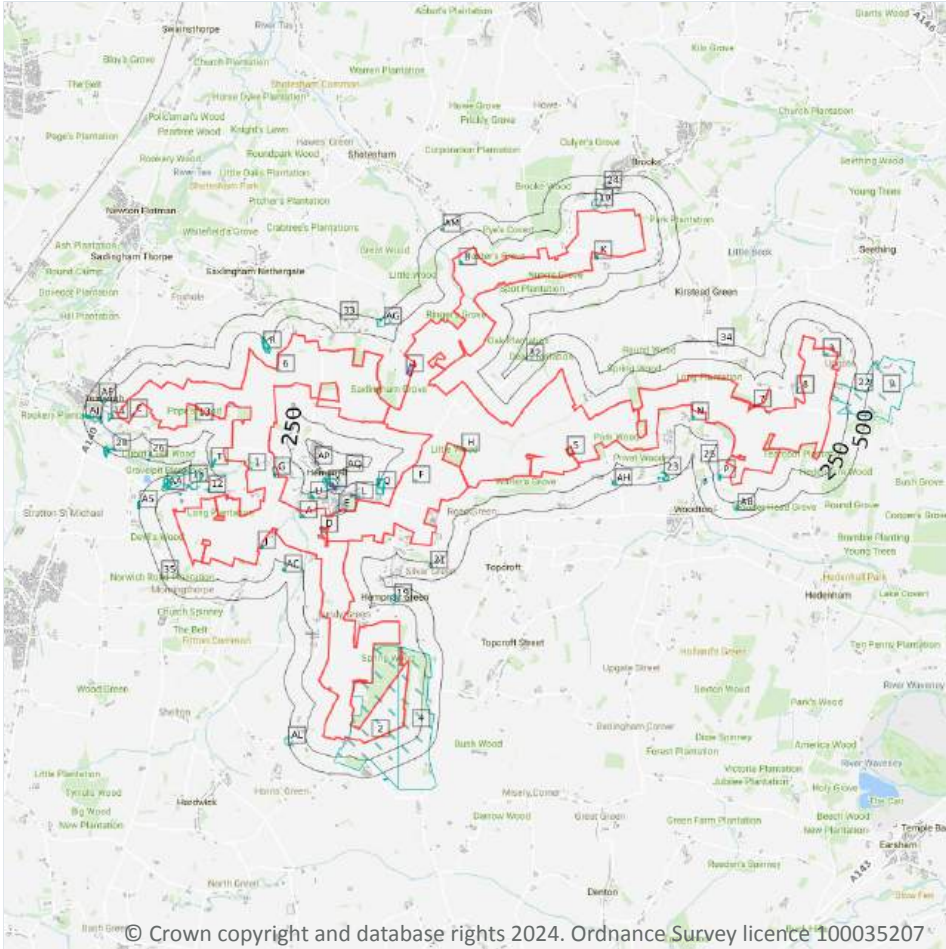
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*



## 2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

### 2.1 Historical industrial land uses

**Records within 500m** **195**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 24](#) >

| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| 1  | On site  | Unspecified Ground Workings | 1881 | 2360464  |
| 2  | On site  | Disused Airfield            | 1979 | 2364106  |
| 3  | On site  | Unspecified Heap            | 1973 | 2361308  |



| ID | Location | Land Use            | Date | Group ID |
|----|----------|---------------------|------|----------|
| 4  | On site  | Disused Airfield    | 1979 | 2364106  |
| 5  | On site  | Unspecified Beds    | 1979 | 2359586  |
| 6  | On site  | Unspecified Hole    | 1907 | 2361039  |
| A  | On site  | Unspecified Pit     | 1946 | 2376860  |
| A  | On site  | Unspecified Pit     | 1951 | 2376860  |
| A  | On site  | Unspecified Pit     | 1906 | 2363514  |
| A  | On site  | Unspecified Pit     | 1906 | 2363514  |
| B  | On site  | Unspecified Pit     | 1957 | 2366249  |
| B  | On site  | Unspecified Pit     | 1946 | 2378484  |
| B  | On site  | Unspecified Pit     | 1881 | 2374671  |
| B  | On site  | Unspecified Pit     | 1907 | 2379851  |
| B  | On site  | Unspecified Pit     | 1907 | 2379851  |
| C  | On site  | Unspecified Pit     | 1951 | 2369222  |
| C  | On site  | Unspecified Pit     | 1946 | 2369222  |
| C  | On site  | Unspecified Pit     | 1883 | 2377329  |
| C  | On site  | Unspecified Pit     | 1907 | 2378827  |
| C  | On site  | Unspecified Pit     | 1907 | 2378827  |
| D  | On site  | Disused Windmill    | 1946 | 2373749  |
| D  | On site  | Corn Windmill       | 1883 | 2359222  |
| E  | On site  | Electric Substation | 1979 | 2355565  |
| F  | On site  | Unspecified Pit     | 1946 | 2382449  |
| F  | On site  | Unspecified Pit     | 1881 | 2370228  |
| F  | On site  | Unspecified Pit     | 1907 | 2370046  |
| F  | On site  | Unspecified Pit     | 1951 | 2370815  |
| F  | On site  | Unspecified Pit     | 1907 | 2370046  |
| G  | On site  | Sewage Works        | 1979 | 2358387  |
| G  | On site  | Unspecified Tanks   | 1979 | 2360197  |
| G  | On site  | Unspecified Tank    | 1979 | 2357054  |





| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| H  | On site  | Unspecified Pit             | 1907 | 2382679  |
| H  | On site  | Unspecified Pit             | 1907 | 2382679  |
| D  | 2m SW    | Disused Windmill            | 1906 | 2372592  |
| 7  | 3m E     | Unspecified Pit             | 1973 | 2354974  |
| J  | 4m SW    | Smithy                      | 1951 | 2367146  |
| J  | 5m SW    | Smithy                      | 1946 | 2367146  |
| J  | 5m SW    | Smithy                      | 1883 | 2364448  |
| 8  | 6m E     | Unspecified Works           | 1973 | 2362157  |
| J  | 8m SW    | Smithy                      | 1906 | 2375123  |
| 9  | 8m E     | Airfield                    | 1973 | 2357800  |
| K  | 8m NE    | Corn Mill                   | 1884 | 2358193  |
| 10 | 36m NE   | Pumping Station             | 1978 | 2354419  |
| L  | 43m SW   | Unspecified Pit             | 1907 | 2380455  |
| L  | 43m SW   | Unspecified Pit             | 1907 | 2380455  |
| L  | 45m SW   | Unspecified Pit             | 1946 | 2364661  |
| K  | 52m NE   | Unspecified Tank            | 1884 | 2357207  |
| M  | 57m W    | Unspecified Pit             | 1946 | 2365427  |
| M  | 59m W    | Unspecified Pit             | 1951 | 2382833  |
| M  | 59m W    | Unspecified Pit             | 1907 | 2372534  |
| M  | 59m W    | Unspecified Pit             | 1907 | 2372534  |
| M  | 60m W    | Unspecified Pit             | 1883 | 2373604  |
| 11 | 65m W    | Unspecified Pit             | 1951 | 2354954  |
| N  | 74m E    | Unspecified Pit             | 1946 | 2366652  |
| N  | 75m E    | Unspecified Pit             | 1907 | 2366652  |
| N  | 75m E    | Unspecified Pit             | 1907 | 2366652  |
| N  | 78m E    | Unspecified Pit             | 1957 | 2366652  |
| 12 | 117m W   | Unspecified Ground Workings | 1883 | 2360466  |
| P  | 126m E   | Unspecified Pit             | 1884 | 2354939  |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| Q  | 127m SW  | Burial Ground               | 1907 | 2363611  |
| R  | 127m NW  | Brick Works                 | 1907 | 2379792  |
| R  | 127m NW  | Brick Works                 | 1907 | 2379792  |
| S  | 130m W   | Unspecified Pit             | 1907 | 2374859  |
| S  | 130m W   | Unspecified Pit             | 1907 | 2374859  |
| S  | 130m W   | Unspecified Pit             | 1946 | 2363253  |
| S  | 130m W   | Unspecified Pit             | 1883 | 2377632  |
| S  | 133m W   | Unspecified Pit             | 1951 | 2379481  |
| Q  | 133m SW  | Burial Ground               | 1946 | 2374048  |
| Q  | 133m SW  | Burial Ground               | 1881 | 2370072  |
| T  | 136m W   | Unspecified Ground Workings | 1883 | 2370469  |
| T  | 141m W   | Unspecified Ground Workings | 1946 | 2365562  |
| P  | 142m E   | Unspecified Pit             | 1907 | 2368495  |
| P  | 142m E   | Unspecified Pit             | 1907 | 2368495  |
| T  | 143m W   | Unspecified Ground Workings | 1951 | 2370726  |
| T  | 143m W   | Unspecified Ground Workings | 1907 | 2370733  |
| T  | 143m W   | Unspecified Ground Workings | 1907 | 2370733  |
| P  | 144m E   | Unspecified Pit             | 1951 | 2366295  |
| R  | 151m NW  | Brick Works                 | 1946 | 2375751  |
| 15 | 153m W   | Sand and Gravel Pit         | 1979 | 2362771  |
| R  | 154m NW  | Unspecified Pit             | 1907 | 2370843  |
| R  | 154m NW  | Unspecified Pit             | 1907 | 2370843  |
| R  | 155m NW  | Unspecified Pit             | 1946 | 2378905  |
| R  | 155m NW  | Unspecified Pit             | 1951 | 2380344  |
| U  | 162m W   | Windmill                    | 1946 | 2368235  |
| U  | 163m W   | Windmill                    | 1907 | 2370904  |
| U  | 163m W   | Windmill                    | 1951 | 2368505  |
| U  | 166m W   | Corn Windmill               | 1881 | 2359224  |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| U  | 167m W   | Disused Windmill | 1979 | 2357950  |
| R  | 174m NW  | Unspecified Pit  | 1946 | 2373842  |
| R  | 174m NW  | Unspecified Pit  | 1951 | 2366526  |
| R  | 176m NW  | Unspecified Pit  | 1907 | 2383277  |
| R  | 176m NW  | Unspecified Pit  | 1907 | 2383277  |
| R  | 182m NW  | Unspecified Pit  | 1951 | 2375061  |
| R  | 183m NW  | Unspecified Pits | 1946 | 2354294  |
| R  | 184m NW  | Unspecified Pit  | 1907 | 2376627  |
| R  | 184m NW  | Unspecified Pit  | 1907 | 2376627  |
| R  | 191m NW  | Unspecified Pit  | 1951 | 2368995  |
| R  | 193m NW  | Unspecified Pit  | 1907 | 2371922  |
| R  | 193m NW  | Unspecified Pit  | 1907 | 2371922  |
| V  | 194m W   | Unspecified Pit  | 1951 | 2375003  |
| V  | 195m W   | Unspecified Pit  | 1907 | 2364481  |
| V  | 195m W   | Unspecified Pit  | 1907 | 2364481  |
| R  | 196m NW  | Unspecified Tank | 1907 | 2357208  |
| V  | 196m W   | Unspecified Pit  | 1946 | 2364481  |
| V  | 196m W   | Unspecified Pit  | 1883 | 2364481  |
| Q  | 233m SW  | Unspecified Pit  | 1946 | 2370269  |
| Q  | 234m SW  | Unspecified Pit  | 1951 | 2383236  |
| Q  | 234m SW  | Unspecified Pit  | 1979 | 2383236  |
| 16 | 238m W   | Unspecified Pits | 1883 | 2354267  |
| Q  | 243m SW  | Gravel Pit       | 1881 | 2359751  |
| W  | 245m W   | Unspecified Pit  | 1946 | 2365504  |
| W  | 247m W   | Unspecified Pit  | 1907 | 2371449  |
| W  | 247m W   | Unspecified Pit  | 1907 | 2371449  |
| W  | 251m W   | Unspecified Pit  | 1951 | 2372423  |
| 18 | 272m W   | Gravel Pit       | 1883 | 2359848  |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| 19 | 273m S   | Smithy                      | 1883 | 2355966  |
| X  | 274m W   | Unspecified Works           | 1979 | 2362100  |
| Y  | 275m W   | Smithy                      | 1883 | 2356049  |
| Y  | 277m W   | Smithy                      | 1907 | 2376981  |
| Y  | 278m W   | Smithy                      | 1946 | 2379063  |
| 21 | 278m S   | Sawmill                     | 1979 | 2358888  |
| Y  | 282m W   | Smithy                      | 1951 | 2356050  |
| AA | 306m W   | Gravel Pit                  | 1946 | 2364468  |
| 22 | 307m E   | Unspecified Tank            | 1946 | 2357225  |
| AA | 308m W   | Unspecified Pits            | 1951 | 2354266  |
| AB | 309m E   | Unspecified Pit             | 1951 | 2370200  |
| AB | 314m E   | Unspecified Pit             | 1928 | 2367693  |
| AB | 314m E   | Unspecified Pit             | 1928 | 2367693  |
| AB | 316m E   | Unspecified Pit             | 1946 | 2371584  |
| AB | 316m E   | Unspecified Pit             | 1903 | 2371578  |
| AC | 328m SW  | Unspecified Pit             | 1946 | 2372146  |
| AC | 329m SW  | Unspecified Pit             | 1951 | 2379945  |
| AC | 330m SW  | Unspecified Pit             | 1906 | 2365341  |
| AC | 330m SW  | Unspecified Pit             | 1906 | 2365341  |
| AA | 335m W   | Gravel Pit                  | 1883 | 2380260  |
| AD | 336m W   | Smithy                      | 1951 | 2379699  |
| AE | 338m E   | Smithy                      | 1907 | 2356045  |
| AB | 344m E   | Unspecified Pit             | 1884 | 2380700  |
| AE | 345m E   | Smithy                      | 1946 | 2374693  |
| AE | 345m E   | Smithy                      | 1884 | 2363702  |
| AE | 352m E   | Smithy                      | 1951 | 2374693  |
| 23 | 368m E   | Unspecified Ground Workings | 1884 | 2360555  |
| AG | 369m NW  | Brick Field                 | 1881 | 2356361  |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| AH | 374m E   | Unspecified Pit             | 1951 | 2372930  |
| AA | 377m W   | Gravel Pit                  | 1951 | 2381548  |
| 25 | 378m E   | Unspecified Tank            | 1884 | 2357196  |
| AH | 378m E   | Unspecified Pit             | 1907 | 2367869  |
| AH | 378m E   | Unspecified Pit             | 1907 | 2367869  |
| AH | 380m E   | Unspecified Pit             | 1946 | 2366138  |
| AA | 380m W   | Gravel Pit                  | 1907 | 2380260  |
| 26 | 384m W   | Unspecified Disused Pit     | 1979 | 2356494  |
| AD | 385m W   | Smithy                      | 1946 | 2372046  |
| AH | 390m E   | Sand Pit                    | 1884 | 2361696  |
| AD | 393m W   | Smithy                      | 1907 | 2375873  |
| AD | 404m W   | Smithy                      | 1881 | 2376031  |
| AI | 414m E   | Sand Pit                    | 1951 | 2378725  |
| AI | 414m E   | Unspecified Disused Pit     | 1979 | 2356569  |
| AJ | 419m W   | Unspecified Pit             | 1946 | 2363576  |
| 27 | 420m E   | Gravel Pit                  | 1884 | 2359842  |
| AJ | 421m W   | Unspecified Pit             | 1907 | 2376296  |
| AJ | 421m W   | Unspecified Pit             | 1907 | 2376296  |
| AI | 422m E   | Sand Pit                    | 1907 | 2380639  |
| AJ | 422m W   | Unspecified Pit             | 1951 | 2375312  |
| AI | 424m E   | Sand Pit                    | 1946 | 2380639  |
| AI | 426m E   | Sand Pit                    | 1884 | 2365538  |
| 28 | 427m W   | Unspecified Ground Workings | 1951 | 2360463  |
| 29 | 433m NW  | Unspecified Heap            | 1881 | 2361306  |
| AK | 440m W   | Unspecified Pit             | 1946 | 2380011  |
| 30 | 440m W   | Unspecified Pit             | 1883 | 2354712  |
| AK | 442m W   | Unspecified Pit             | 1907 | 2370567  |
| AK | 442m W   | Unspecified Pit             | 1907 | 2370567  |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| AL | 443m SW  | Smithy           | 1946 | 2379014  |
| AM | 444m N   | Unspecified Pit  | 1946 | 2370715  |
| AM | 445m N   | Unspecified Pit  | 1957 | 2377368  |
| AM | 446m N   | Unspecified Pit  | 1881 | 2376779  |
| AN | 458m W   | Unspecified Pits | 1946 | 2378076  |
| AN | 458m W   | Unspecified Pits | 1883 | 2378378  |
| AN | 461m W   | Unspecified Pit  | 1907 | 2366913  |
| AN | 461m W   | Unspecified Pit  | 1907 | 2366913  |
| AN | 464m W   | Unspecified Pits | 1951 | 2369411  |
| 32 | 467m NE  | Unspecified Pit  | 1957 | 2354973  |
| 33 | 474m NW  | Pumping Station  | 1977 | 2354434  |
| AR | 477m W   | Unspecified Pit  | 1907 | 2369853  |
| AR | 477m W   | Unspecified Pit  | 1907 | 2369853  |
| AR | 478m W   | Unspecified Pit  | 1951 | 2377829  |
| AG | 481m NW  | Old Brick Kiln   | 1907 | 2381033  |
| AG | 482m NW  | Old Brick Kiln   | 1946 | 2381033  |
| 34 | 482m E   | Unspecified Tank | 1884 | 2357206  |
| AS | 484m W   | Unspecified Pit  | 1946 | 2369031  |
| AS | 486m W   | Unspecified Pit  | 1951 | 2369878  |
| AS | 487m W   | Unspecified Pit  | 1907 | 2364037  |
| AS | 487m W   | Unspecified Pit  | 1907 | 2364037  |
| AG | 487m NW  | Unspecified Kiln | 1881 | 2357522  |
| AL | 494m SW  | Smithy           | 1906 | 2379014  |
| AN | 499m W   | Unspecified Pit  | 1979 | 2369781  |

*This data is sourced from Ordnance Survey / Groundsure.*



## 2.2 Historical tanks

**Records within 500m**
**13**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

| ID       | Location       | Land Use                | Date        | Group ID      |
|----------|----------------|-------------------------|-------------|---------------|
| <b>G</b> | <b>On site</b> | <b>Tanks</b>            | <b>1976</b> | <b>441053</b> |
| <b>G</b> | <b>On site</b> | <b>Tanks</b>            | <b>1959</b> | <b>441849</b> |
| <b>G</b> | <b>On site</b> | <b>Tanks</b>            | <b>1959</b> | <b>440074</b> |
| <b>G</b> | <b>On site</b> | <b>Tanks</b>            | <b>1985</b> | <b>441029</b> |
| <b>G</b> | <b>On site</b> | <b>Tanks</b>            | <b>1985</b> | <b>439340</b> |
| <b>G</b> | <b>On site</b> | <b>Unspecified Tank</b> | <b>1995</b> | <b>436940</b> |
| 13       | 128m W         | Unspecified Tank        | 1884        | 436930        |
| 14       | 137m NE        | Unspecified Tank        | 1905        | 437421        |
| 17       | 249m S         | Tanks                   | 1999        | 438125        |
| 20       | 274m W         | Unspecified Tank        | 1995        | 436941        |
| AQ       | 472m W         | Unspecified Tank        | 1976        | 440861        |
| AQ       | 473m W         | Unspecified Tank        | 1995        | 440861        |
| 35       | 488m SW        | Tanks                   | 1976        | 438127        |

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

**Records within 500m**
**20**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| E  | 5m SW    | Electricity Substation | 1976 | 328095   |



| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| E  | 5m SW    | Electricity Substation | 1995 | 328095   |
| U  | 177m W   | Electricity Substation | 1995 | 327840   |
| X  | 358m W   | Electricity Substation | 1976 | 331194   |
| X  | 359m W   | Electricity Substation | 1995 | 331194   |
| AF | 368m W   | Electricity Substation | 1959 | 327997   |
| AF | 368m W   | Electricity Substation | 1984 | 328562   |
| AF | 368m W   | Electricity Substation | 1959 | 327997   |
| 24 | 368m NE  | Electricity Substation | 1974 | 327836   |
| AF | 371m W   | Electricity Substation | 1974 | 331140   |
| AF | 371m W   | Electricity Substation | 1995 | 328562   |
| 31 | 449m NE  | Electricity Substation | 1974 | 327837   |
| AO | 459m W   | Electricity Substation | 1959 | 330780   |
| AO | 459m W   | Electricity Substation | 1984 | 330780   |
| AO | 459m W   | Electricity Substation | 1984 | 330780   |
| AO | 459m W   | Electricity Substation | 1959 | 330780   |
| AO | 460m W   | Electricity Substation | 1974 | 330780   |
| AO | 460m W   | Electricity Substation | 1995 | 328355   |
| AP | 468m W   | Electricity Substation | 1985 | 330115   |
| AP | 471m W   | Electricity Substation | 1995 | 330115   |

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*





## 2.5 Historical garages

Records within 500m

8

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

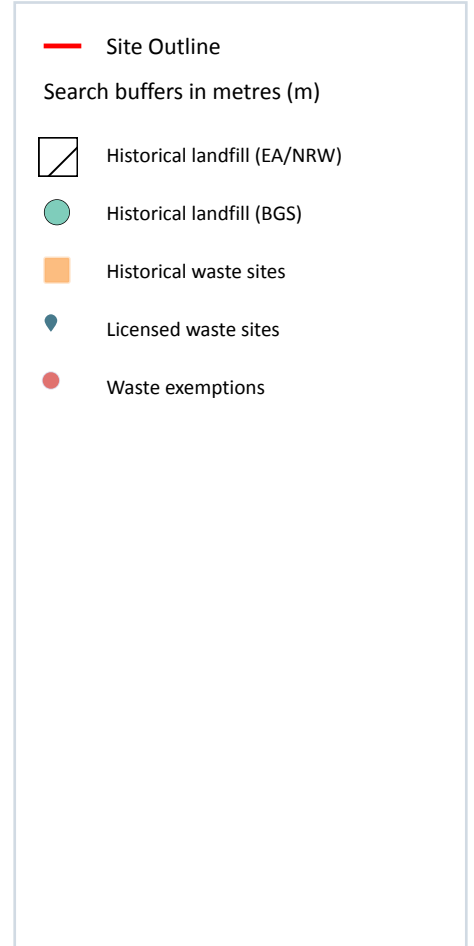
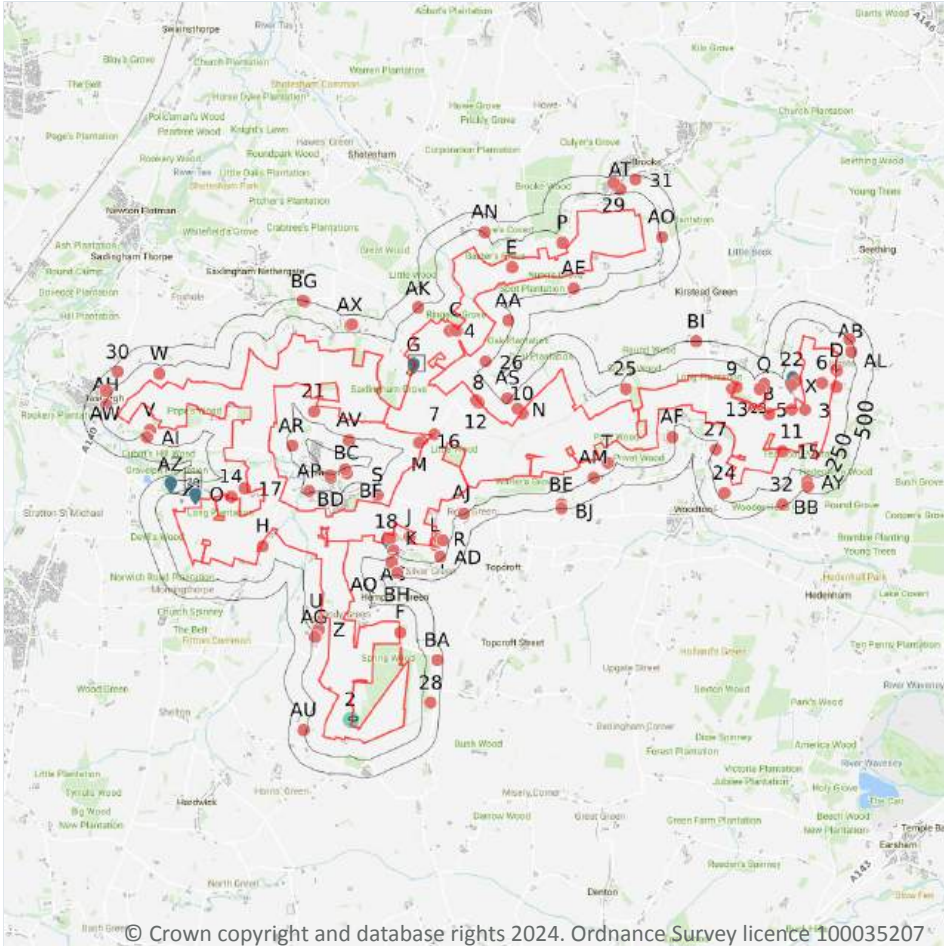
Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

| ID | Location | Land Use           | Date | Group ID |
|----|----------|--------------------|------|----------|
| I  | On site  | Car Breaker's Yard | 1995 | 97494    |
| I  | On site  | Car Breaker's Yard | 1995 | 97494    |
| O  | 79m SW   | Garage             | 1976 | 98267    |
| O  | 80m SW   | Garage             | 1995 | 98267    |
| Z  | 286m W   | Garage             | 1976 | 97871    |
| Z  | 294m W   | Garage             | 1995 | 97871    |
| X  | 325m W   | Garage             | 1995 | 97299    |
| AE | 341m E   | Garage             | 1977 | 97313    |

*This data is sourced from Ordnance Survey / Groundsure.*



## 3 Waste and landfill



### 3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.2 Historical landfill (BGS records)

Records within 500m

1

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

Features are displayed on the Waste and landfill map on [page 35 >](#)

| ID | Location | Address                    | BGS Number | Risk               | Waste Type |
|----|----------|----------------------------|------------|--------------------|------------|
| 2  | On site  | Hardwick Airfield, Norfolk | 568        | No risk to aquifer | N/A        |

This data is sourced from the British Geological Survey.

### 3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

### 3.4 Historical landfill (EA/NRW records)

Records within 500m

2

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 35 >](#)

| ID | Location | Details   |   |   |
|----|----------|---|---|---|
| 1  | On site  | <b>Site Address: Off West side of Shelton Airfield Disused, Hempnall, Norfolk</b><br><b>Licence Holder Address: -</b> | <b>Waste Licence: Yes</b><br><b>Site Reference: WD 573</b><br><b>Waste Type: Inert, Commercial, Liquid sludge</b><br><b>Environmental Permitting Regulations (Waste) Reference: -</b><br><b>Licence Issue: 02/01/1974</b><br><b>Licence Surrender: 24/01/1975</b> | <b>Operator: D F Jackson - Depwade Rural District Council</b><br><b>Licence Holder: -</b><br><b>First Recorded 19/04/1968</b><br><b>Last Recorded: 23/01/1975</b> |
| 20 | 95m W    | Site Address: Off B1135, Morningthorpe<br>Licence Holder Address: County Hall, Martineau Lane, Norwich, Norfolk       | Waste Licence: Yes<br>Site Reference: WD 486<br>Waste Type: Commercial, Household<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: 07/02/1982<br>Licence Surrender: 02/12/1990  | Operator: Norfolk County Council<br>Licence Holder: Norfolk County Council<br>First Recorded 08/02/1982<br>Last Recorded: 31/12/1992                              |

This data is sourced from the Environment Agency and Natural Resources Wales.



### 3.5 Historical waste sites

**Records within 500m**
**4**

Waste site records derived from Local Authority planning records and high detail historical mapping. Features are displayed on the Waste and landfill map on [page 35 >](#)

| ID | Location | Address  | Further Details   | Date       |
|----|----------|--|---|------------|
| A  | On site  | Site Address: N/A  | <b>Type of Site: Breaker's Yard</b><br><b>Planning application reference: N/A</b><br><b>Description: N/A</b><br><b>Data source: Historic Mapping</b><br><b>Data Type: Polygon</b>   | 1974       |
| A  | On site  | Site Address: N/A  | <b>Type of Site: Car Breaker's Yard</b><br><b>Planning application reference: N/A</b><br><b>Description: N/A</b><br><b>Data source: Historic Mapping</b><br><b>Data Type: Polygon</b>   | 1995       |
| A  | On site  | Site Address: N/A  | <b>Type of Site: Car Breaker's Yard</b><br><b>Planning application reference: N/A</b><br><b>Description: N/A</b><br><b>Data source: Historic Mapping</b><br><b>Data Type: Polygon</b>   | 1995       |
| O  | 85m W    | Site Address: Morningthorpe Recycling Centre, Bungay Road, Morningthorpe, NORWICH, Norfolk, NR15 2LJ | Type of Site: Recycling Centre<br>Planning application reference: 2009/0849<br>Description: Scheme comprises upgrade of recycling centre infrastructure to include new brick built staff welfare facility. An application (ref: 2009/0849) for detailed planning permission was granted by South Norfolk D.C. A detailed planning application has been granted.<br><br>Data source: Historic Planning Application<br>Data Type: Point | 06/12/2009 |

*This data is sourced from Ordnance Survey/Groundsure and Local Authority records.*

### 3.6 Licensed waste sites

**Records within 500m**
**16**

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 35 >](#)



| ID | Location | Details   |  |   |
|----|----------|---|--|---|
| G  | 15m NW   | Site Name: G And M Metals<br>Site Address: Little Fylands Farm,<br>The Green, Saxlingham Green,<br>Norfolk, NR15 1TH<br>Correspondence Address: -   | Type of Site: Metal Recycling Site<br>(Vehicle Dismantler)<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: 646533<br>EPR reference: EA/EPR/HP3794NK<br>Operator: G Metcalf<br>Waste Management licence No:<br>71415<br>Annual Tonnage: 0       | Issue Date: 09/08/2005<br>Effective Date: 09/08/2005<br>Modified: -<br>Surrendered Date: 09/08/2005<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Surrendered |
| G  | 19m NW   | Site Name: Saxlingham Green<br>Site Address: Little Fylands Farm,<br>The Green, Saxlingham Green,<br>Norfolk<br>Correspondence Address: 10,<br>Bowers Close, Norwich, Norfolk,<br>NR3 2PZ                                     | Type of Site: Metal Recycling Site<br>(mixed MRS's)<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: MET001<br>EPR reference: -<br>Operator: Metcalf Glen<br>Waste Management licence No:<br>71446<br>Annual Tonnage: 0                         | Issue Date: 07/02/1995<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued                        |
| 18 | 52m SW   | Site Name: Villa Farm<br>Site Address: Villa Farm, Alburgh<br>Road, Hempnall, Norwich, Norfolk,<br>NR15 2NP<br>Correspondence Address: -  | Type of Site: Metal Recycling Site<br>(Vehicle Dismantler)<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: 646884<br>EPR reference: EA/EPR/XP3494NA<br>Operator: Luke Parfitt<br>Waste Management licence No:<br>71361<br>Annual Tonnage: 2499 | Issue Date: 14/10/2004<br>Effective Date: 14/10/2004<br>Modified: 14/10/2004<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued      |
| O  | 87m W    | Site Name: Morningthorpe Ca Site<br>Site Address: Off B1135,<br>Morningthorpe, Norfolk<br>Correspondence Address: Ground<br>Floor West, 900, Pavilion Drive,<br>Northampton Business Park,<br>Northampton, Northants, NN4 7RG | Type of Site: Household,<br>Commercial & Industrial Waste T<br>Stn<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: MOR002<br>EPR reference: -<br>Operator: Anti-waste Ltd<br>Waste Management licence No:<br>70518<br>Annual Tonnage: 4999     | Issue Date: 27/01/1993<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued                        |



| ID | Location | Details  |  |   |
|----|----------|--|--|---|
| O  | 87m W    | Site Name: Morningthorpe Ca Site<br>Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: Ground Floor West, 900, Pavilion Drive, Northampton Business Park, Northampton, Northants, NN4 7RG | Type of Site: Special Waste Transfer Station<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MOR002<br>EPR reference: -<br>Operator: Anti-waste Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999  | Issue Date: 27/01/1993<br>Effective Date: -<br>Modified: 05/01/2007<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified             |
| O  | 87m W    | Site Name: Morningthorpe Recycling Centre<br>Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: -  | Type of Site: Household Waste Amenity Site<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: NOR456<br>EPR reference: EA/EPR/BB3208MH/T001<br>Operator: Norfolk Environmental Waste Services Limited<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999 | Issue Date: 27/01/1993<br>Effective Date: 01/04/2014<br>Modified: 18/10/2013<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |
| O  | 87m W    | Site Name: Morningthorpe Ca Site<br>Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: -  | Type of Site: Household Waste Amenity Site<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MAY056<br>EPR reference: EA/EPR/BP3990VX/T001<br>Operator: May Gurney Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999                               | Issue Date: 27/01/1993<br>Effective Date: 05/06/2009<br>Modified: 05/01/2007<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |
| O  | 87m W    | Site Name: Morningthorpe Ca Site<br>Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: Laurel House, Kitling Road, Knowsley Business Park, Prescott, Merseyside, L34 9JA                  | Type of Site: Special Waste Transfer Station<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: EWC012<br>EPR reference: -<br>Operator: Environmental Waste Controls Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999                              | Issue Date: 27/01/1993<br>Effective Date: 01/04/2007<br>Modified: 05/01/2007<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |



| ID | Location | Details   |   |   |
|----|----------|---|---|---|
| O  | 87m W    | Site Name: Morningthorpe Civic Amenity Site<br>Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: - | Type of Site: Household Waste Amenity Site<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MAY056<br>EPR reference: EA/EPR/BP3990VX/V002<br>Operator: Kier M G Limited<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999                      | Issue Date: 27/01/1993<br>Effective Date: 05/06/2009<br>Modified: 18/10/2013<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified    |
| O  | 87m W    | Site Name: Morningthorpe Ca Site<br>Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: -             | Type of Site: Special Waste Transfer Station<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MAY056<br>EPR reference: BP3990VX/T001<br>Operator: May Gurney Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999                             | Issue Date: 27/01/1993<br>Effective Date: 05/06/2009<br>Modified: 05/01/2007<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |
| O  | 87m W    | Site Name: Morningthorpe H W R C<br>Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: -            | Type of Site: Household Waste Amenity Site<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 640235<br>EPR reference: EA/EPR/CB3800KU<br>Operator: Norse Environmental Waste Services Limited<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999 | Issue Date: 27/01/1993<br>Effective Date: 27/01/1993<br>Modified: 27/01/1993<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued      |
| 22 | 117m E   | Site Name: David Yarham (salvage)<br>Site Address: Crofton Works, Harveys Lane, Seething Airfield, Norwich, Norfolk, NR15 1EN<br>Correspondence Address: -    | Type of Site: Vehicle Depollution Facility 5000 tps<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 635990<br>EPR reference: EA/EPR/AP3499NU<br>Operator: David Yarham<br>Waste Management licence No: 70496<br>Annual Tonnage: 4999                      | Issue Date: 23/02/1994<br>Effective Date: 23/02/1994<br>Modified: 23/02/1994<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued      |



| ID | Location | Details  |  |   |
|----|----------|--|--|---|
| X  | 158m E   | Site Name: Seething<br>Site Address: Crofton Works,<br>Harveys Lane, Seething Airfield,<br>Norwich, Norfolk, NR15 1EN<br>Correspondence Address: -   | Type of Site: Metal Recycling Site<br>(mixed MRS's)<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: YAR001<br>EPR reference:<br>EA/EPR/AP3499NU/A001<br>Operator: Yarham David<br>Waste Management licence No:<br>70496<br>Annual Tonnage: 4999  | Issue Date: 23/02/1994<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued            |
| AZ | 368m W   | Site Name: Morningthorpe Quarry<br>Site Address: Land To The South Of<br>Longacre Plantation,<br>Morningthorpe, Nr Long Stratton,<br>Norwich, Norfolk, NR15 2LJ<br>Correspondence Address: - | Type of Site: Use of waste for<br>reclamation etc 100,000 tps<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: MOR182<br>EPR reference:<br>EA/EPR/NB3736AR/A001<br>Operator: Paul Richardson<br>Recycling Ltd<br>Waste Management licence No:<br>400107<br>Annual Tonnage: 175000         | Issue Date: 15/04/2013<br>Effective Date: -<br>Modified: -<br>Surrendered Date: 0<br>Expiry Date: 0<br>Cancelled Date: 0<br>Status: Issued            |
| AZ | 368m W   | Site Name: Morningthorpe Quarry<br>Site Address: Land To The South Of<br>Longacre Plantation,<br>Morningthorpe, Long Stratton,<br>Norwich, Norfolk, NR15 2LJ<br>Correspondence Address: -    | Type of Site: Deposit of waste to<br>land as a recovery operation<br>Size: 25000 tonnes<br>Environmental Permitting<br>Regulations (Waste) Licence<br>Number: MOR182<br>EPR reference:<br>EA/EPR/NB3736AR/V002<br>Operator: Paul Richardson<br>Recycling Limited<br>Waste Management licence No:<br>400107<br>Annual Tonnage: 173000 | Issue Date: 15/04/2013<br>Effective Date: -<br>Modified: 24/04/2017<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified |





| ID | Location | Details  |  |  |
|----|----------|--|--|--|
| AZ | 368m W   | Site Name: Morningthorpe Quarry<br>Site Address: Land To The South Of Longacre Plantation, Morningthorpe, Long Stratton, Norwich, Norfolk, NR15 2LJ<br>Correspondence Address: - | Type of Site: Deposit of waste to land as a recovery operation<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 635654<br>EPR reference: EA/EPR/NB3736AR<br>Operator: Paul Richardson Recycling Limited<br>Waste Management licence No: 400107<br>Annual Tonnage: 173000 | Issue Date: 15/04/2013<br>Effective Date: 15/04/2013<br>Modified: 15/04/2013<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued |

This data is sourced from the Environment Agency and Natural Resources Wales.

### 3.7 Waste exemptions

|                            |            |
|----------------------------|------------|
| <b>Records within 500m</b> | <b>739</b> |
|----------------------------|------------|

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 35 >](#)

| ID | Location | Site   | Reference          | Category                | Sub-Category                | Description                                |
|----|----------|--|--------------------|-------------------------|-----------------------------|--|
| 3  | On site  | -  | WEX397630          | Storing waste exemption | On a farm                   | Storage of sludge                          |
| 4  | On site  | -  | WEX005671          | Storing waste exemption | On a farm                   | Storage of sludge                          |
| 5  | On site  | Stockpile                                      | WEX266451          | Storing waste exemption | On a farm                   | Storage of sludge                          |
| 6  | On site  | Enterprise House Harveys Lane Norwich Nr15 1en | EPR/CF0603N E/A001 | Using waste exemption   | Non-agricultural waste only | Use of waste to manufacture finished goods |
| 7  | On site  | Land At Tm2552095140                           | EPR/XE5683RL /A001 | Storing waste exemption | Non-agricultural waste only | Storage of sludge                          |
| 8  | On site  | Land At Tm2616095600                           | EPR/XE5783R U/A001 | Storing waste exemption | Non-agricultural waste only | Storage of sludge                          |
| 9  | On site  | Stockpile                                      | WEX262187          | Storing waste exemption | On a farm                   | Storage of sludge                          |



| ID | Location | Site                                     | Reference         | Category                | Sub-Category                                 | Description                           |
|----|----------|--|-------------------|-------------------------|--|---------------------------------------|
| 10 | On site  | Land At Tm26799544                       | EPR/JE5453YZ/A001 | Storing waste exemption | Non-agricultural waste only                  | Storage of sludge                     |
| 11 | On site  | -  | WEX227263         | Storing waste exemption | On a farm                                    | Storage of sludge                     |
| 12 | On site  | Land At Tm2612095640                     | EPR/TE5442LG/A001 | Storing waste exemption | Non-agricultural waste only                  | Storage of sludge                     |
| B  | On site  | -  | WEX313240         | Storing waste exemption | On a farm                                    | Storage of sludge                     |
| B  | On site  | -  | WEX227261         | Storing waste exemption | On a farm                                    | Storage of sludge                     |
| C  | On site  | -  | WEX325912         | Storing waste exemption | On a farm                                    | Storage of sludge                     |
| C  | On site  | -  | WEX005674         | Storing waste exemption | On a farm                                    | Storage of sludge                     |
| C  | On site  | Land At Tm25829666                       | EPR/TE5086WJ/A001 | Storing waste exemption | Non-agricultural waste only                  | Storage of sludge                     |
| D  | On site  | -  | WEX397628         | Storing waste exemption | On a farm                                    | Storage of sludge                     |
| D  | On site  | -  | WEX227259         | Storing waste exemption | On a farm                                    | Storage of sludge                     |
| E  | On site  | Land At Tm2664097560                     | EPR/FE5453NJ/A001 | Storing waste exemption | Non-agricultural waste only                  | Storage of sludge                     |
| E  | On site  | Land @ Tm26649756                        | EPR/FE5353ZK/A001 | Storing waste exemption | Non-agricultural waste only                  | Storage of sludge                     |
| F  | 11m S    | Spring Farm Spring Lane Norwich Nr15 2ny | EPR/KF0931BV/A001 | Storing waste exemption | Both agricultural and non-agricultural waste | Storage of waste in secure containers |
| F  | 11m S    | Spring Farm Spring Lane Norwich Nr15 2ny | EPR/KF0931BV/A001 | Storing waste exemption | Both agricultural and non-agricultural waste | Storage of waste in a secure place    |



| ID | Location | Site  | Reference             | Category                           | Sub-Category  | Description  |
|----|----------|---|-----------------------|------------------------------------|---|--|
| F  | 11m S    | Spring Farm Spring Lane<br>Norwich Nr15 2ny         | EPR/KF0931BV<br>/A001 | Treating waste<br>exemption        | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Cleaning, washing, spraying<br>or coating relevant waste     |
| F  | 11m S    | Spring Farm Spring Lane<br>Norwich Nr15 2ny         | EPR/KF0931BV<br>/A001 | Treating waste<br>exemption        | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Aerobic composting and<br>associated prior treatment         |
| F  | 11m S    | Spring Farm Spring Lane<br>Norwich Nr15 2ny         | EPR/KF0931BV<br>/A001 | Using waste<br>exemption           | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Use of waste for a specified<br>purpose                      |
| F  | 11m S    | Spring Farm Spring Lane<br>Norwich Nr15 2ny         | EPR/KF0931BV<br>/A001 | Disposing of<br>waste<br>exemption | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Burning waste in the open                                    |
| 13 | 16m E    | -   | WEX367523             | Storing waste<br>exemption         | On a farm   | Storage of sludge  |
| 14 | 19m W    | The Grove Hempnall Road<br>Norwich Norfolk Nr15 2ln | EPR/WF0536E<br>T/A001 | Using waste<br>exemption           | Non-<br>agricultural<br>waste only                        | Use of depolluted end-of-life<br>vehicles for vehicle parts  |
| H  | 26m SW   | Beech Farm Norwich Nr15<br>2qu                      | EPR/UH0773G<br>E/A001 | Using waste<br>exemption           | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Spreading waste on<br>agricultural land to confer<br>benefit |
| H  | 26m SW   | Beech Farm Norwich Nr15<br>2qu                      | EPR/UH0773G<br>E/A001 | Using waste<br>exemption           | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Use of waste in construction                                 |
| 15 | 37m E    | Stockpile   | WEX266427             | Storing waste<br>exemption         | On a farm   | Storage of sludge  |
| I  | 38m E    | Uppgate Farm Uppgate Road<br>Norwich Nr15 1el       | EPR/WE5288P<br>S/A001 | Storing waste<br>exemption         | Agricultural<br>waste only                                | Storage of waste in a secure<br>place                        |
| I  | 38m E    | Uppgate Farm Uppgate Road<br>Norwich Nr15 1el       | EPR/WE5288P<br>S/A001 | Using waste<br>exemption           | Agricultural<br>waste only                                | Use of waste for a specified<br>purpose                      |



| ID | Location | Site  | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|---|--------------------|------------------------------|-------------------------|--|
| I  | 38m E    | Uppgate Farm Uppgate Road Norwich Nr15 1el              | EPR/WE5288P S/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| I  | 38m E    | Uppgate Farm Uppgate Road Norwich Nr15 1el              | EPR/WE5288P S/A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit |
| I  | 40m E    | Uppgate Farm, Uppgate Road, Seething, Norwich, Nr15 1el | WEX314700          | Storing waste exemption      | On a farm               | Storage of waste in a secure place                     |
| I  | 40m E    | Uppgate Farm, Uppgate Road, Seething, Norwich, Nr15 1el | WEX314700          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| I  | 40m E    | Uppgate Farm, Uppgate Road, Seething, Norwich, Nr15 1el | WEX184904          | Storing waste exemption      | On a farm               | Storage of waste in a secure place                     |
| I  | 40m E    | Uppgate Farm, Uppgate Road, Seething, Norwich, Nr15 1el | WEX184904          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| I  | 40m E    | Uppgate Farm, Uppgate Road, Seething, Norwich, Nr15 1el | WEX026715          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| I  | 40m E    | Uppgate Farm, Uppgate Road, Seething, Norwich, Nr15 1el | WEX026715          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| I  | 40m E    | Uppgate Farm, Uppgate Road, Seething, Norwich, Nr15 1el | WEX026715          | Storing waste exemption      | On a farm               | Storage of waste in a secure place                     |
| I  | 40m E    | Uppgate Farm, Uppgate Road, Seething, Norwich, Nr15 1el | WEX026715          | Using waste exemption        | On a farm               | Use of waste for a specified purpose                   |
| J  | 43m SW   | Firs Farm Silver Green Norwich Nr15 2nw                 | EPR/SE5184M T/A001 | Disposing of waste exemption | Agricultural waste only | Disposal by incineration                               |
| J  | 43m SW   | Firs Farm Silver Green Norwich Nr15 2nw                 | EPR/SE5184M T/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| J  | 43m SW   | Firs Farm Silver Green Norwich Nr15 2nw                 | EPR/SE5184M T/A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit |



| ID | Location | Site  | Reference             | Category                           | Sub-Category                       | Description  |
|----|----------|---|-----------------------|------------------------------------|------------------------------------|--|
| J  | 43m SW   | Firs Farm Silver Green<br>Norwich Nr15 2nw                  | EPR/SE5184M<br>T/A001 | Treating waste<br>exemption        | Agricultural<br>waste only         | Treatment of waste wood<br>and waste plant matter by<br>chipping, shredding, cutting<br>or pulverising |
| J  | 43m SW   | Firs Farm Silver Green<br>Norwich Nr15 2nw                  | EPR/SE5184M<br>T/A001 | Using waste<br>exemption           | Agricultural<br>waste only         | Use of waste for a specified<br>purpose  |
| 16 | 44m W    | Land At Grid Reference:<br>Tm25349505                       | EPR/BE5386DE<br>/A001 | Storing waste<br>exemption         | Non-<br>agricultural<br>waste only | Storage of sludge  |
| J  | 46m SW   | Firs Farm, Silver Green,<br>Hempnall, Norwich, Nr15<br>2nw  | WEX318133             | Disposing of<br>waste<br>exemption | On a farm                          | Burning waste in the open  |
| J  | 46m SW   | Firs Farm, Silver Green,<br>Hempnall, Norwich, Nr15<br>2nw  | WEX318133             | Using waste<br>exemption           | On a farm                          | Spreading waste on<br>agricultural land to confer<br>benefit   |
| J  | 46m SW   | Firs Farm, Silver Green,<br>Hempnall, Norwich, Nr15<br>2nw  | WEX190105             | Using waste<br>exemption           | On a farm                          | Spreading waste on<br>agricultural land to confer<br>benefit   |
| J  | 46m SW   | Firs Farm, Silver Green,<br>Hempnall, Norwich, Nr15<br>2nw  | WEX190105             | Disposing of<br>waste<br>exemption | On a farm                          | Burning waste in the open  |
| J  | 46m SW   | Firs Farm, Silver Green,<br>Hempnall, Norwich, Nr15<br>2nw  | WEX032443             | Disposing of<br>waste<br>exemption | On a farm                          | Burning waste in the open  |
| K  | 47m SW   | Villa Farm, Alburgh Road,<br>Hempnall, Norwich, Nr15<br>2np | WEX325805             | Disposing of<br>waste<br>exemption | On a farm                          | Burning waste in the open  |
| K  | 47m SW   | Villa Farm, Alburgh Road,<br>Hempnall, Norwich, Nr15<br>2np | WEX325805             | Using waste<br>exemption           | On a farm                          | Use of waste in construction   |
| K  | 47m SW   | Villa Farm, Alburgh Road,<br>Hempnall, Norwich, Nr15<br>2np | WEX325805             | Disposing of<br>waste<br>exemption | On a farm                          | Deposit of waste from<br>dredging of inland waters   |
| K  | 47m SW   | Villa Farm, Alburgh Road,<br>Hempnall, Norwich, Nr15<br>2np | WEX325805             | Storing waste<br>exemption         | On a farm                          | Storage of waste in a secure<br>place  |
| K  | 47m SW   | Villa Farm, Alburgh Road,<br>Hempnall, Norwich, Nr15<br>2np | WEX043488             | Disposing of<br>waste<br>exemption | On a farm                          | Deposit of waste from<br>dredging of inland waters   |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| K  | 47m SW   | Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np | WEX043488 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                    |
| K  | 47m SW   | Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np | WEX043488 | Using waste exemption        | On a farm    | Use of waste in construction                          |
| K  | 47m SW   | Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np | WEX199583 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                    |
| K  | 47m SW   | Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np | WEX199583 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters       |
| K  | 47m SW   | Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np | WEX199583 | Using waste exemption        | On a farm    | Use of waste in construction                          |
| K  | 47m SW   | Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np | WEX043488 | Disposing of waste exemption | On a farm    | Burning waste in the open                             |
| K  | 47m SW   | Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np | WEX199583 | Disposing of waste exemption | On a farm    | Burning waste in the open                             |
| L  | 50m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh    | WEX340658 | Disposing of waste exemption | On a farm    | Burning waste in the open                             |
| L  | 50m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh    | WEX340658 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                    |
| L  | 50m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh    | WEX340658 | Storing waste exemption      | On a farm    | Storage of waste in secure containers                 |
| L  | 50m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh    | WEX340658 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters       |
| L  | 50m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh    | WEX340658 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste |
| L  | 50m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh    | WEX340658 | Using waste exemption        | On a farm    | Use of waste for a specified purpose                  |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                                 | Description  |
|----|----------|--|--------------------|------------------------------|--|--|
| L  | 50m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh   | WEX340658          | Using waste exemption        | On a farm                                    | Use of waste in construction                             |
| 17 | 50m W    | The Grove, Hempnall Road, Fritton, Norwich, Nr15 2ln | WEX083488          | Using waste exemption        | Not on a farm                                | Use of depolluted end-of-life vehicles for vehicle parts |
| L  | 55m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh   | WEX209857          | Storing waste exemption      | On a farm                                    | Storage of waste in a secure place                       |
| L  | 55m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh   | WEX209857          | Using waste exemption        | On a farm                                    | Use of waste in construction                             |
| L  | 55m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh   | WEX209857          | Using waste exemption        | On a farm                                    | Use of waste for a specified purpose                     |
| L  | 55m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh   | WEX209857          | Treating waste exemption     | On a farm                                    | Cleaning, washing, spraying or coating relevant waste    |
| L  | 55m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh   | WEX209857          | Disposing of waste exemption | On a farm                                    | Deposit of waste from dredging of inland waters          |
| L  | 55m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh   | WEX209857          | Storing waste exemption      | On a farm                                    | Storage of waste in secure containers                    |
| L  | 55m S    | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh   | WEX209857          | Disposing of waste exemption | On a farm                                    | Burning waste in the open                                |
| M  | 60m W    | Land At Tm2530095020                                 | EPR/XE5283RR/A001  | Storing waste exemption      | Non-agricultural waste only                  | Storage of sludge  |
| M  | 60m W    | Land At Grid Reference: Tm25309502                   | EPR/CE5687D P/A001 | Storing waste exemption      | Non-agricultural waste only                  | Storage of sludge  |
| K  | 62m SW   | Villa Farm Alburgh Road Norwich Norfolk Nr15 2np     | EPR/ME5881G U/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Deposit of waste from dredging of inland waters          |
| K  | 62m SW   | Villa Farm Alburgh Road Norwich Norfolk Nr15 2np     | EPR/ME5881G U/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste in construction                             |



| ID | Location | Site   | Reference             | Category                           | Sub-Category  | Description  |
|----|----------|--|-----------------------|------------------------------------|---|--|
| K  | 62m SW   | Villa Farm Alburgh Road<br>Norwich Norfolk Nr15 2np          | EPR/ME5881G<br>U/A001 | Disposing of<br>waste<br>exemption | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Burning waste in the open                                    |
| 19 | 66m E    | Enterprise House Harveys<br>Lane Norwich Nr15 1en            | EPR/SF0104N<br>Q/A001 | Storing waste<br>exemption         | Non-<br>agricultural<br>waste only                        | Storage of waste in a secure<br>place                        |
| N  | 74m NE   | Land At Tm2673095510   | EPR/FE5153N<br>V/A001 | Storing waste<br>exemption         | Non-<br>agricultural<br>waste only                        | Storage of sludge  |
| N  | 74m NE   | Land @ Tm26739551  | EPR/FE5553ZC<br>/A001 | Storing waste<br>exemption         | Non-<br>agricultural<br>waste only                        | Storage of sludge  |
| P  | 86m NE   | Oldhouse Farm, Woodton<br>Road, Brooke, Norwich,<br>Nr15 1ey | WEX179658             | Using waste<br>exemption           | On a farm   | Use of waste in construction                                 |
| P  | 86m NE   | Oldhouse Farm, Woodton<br>Road, Brooke, Norwich,<br>Nr15 1ey | WEX179658             | Using waste<br>exemption           | On a farm   | Spreading waste on<br>agricultural land to confer<br>benefit |
| P  | 86m NE   | Oldhouse Farm, Woodton<br>Road, Brooke, Norwich,<br>Nr15 1ey | WEX179658             | Disposing of<br>waste<br>exemption | On a farm   | Burning waste in the open                                    |
| P  | 86m NE   | Oldhouse Farm, Woodton<br>Road, Brooke, Norwich,<br>Nr15 1ey | WEX014835             | Disposing of<br>waste<br>exemption | On a farm   | Burning waste in the open                                    |
| P  | 86m NE   | Oldhouse Farm, Woodton<br>Road, Brooke, Norwich,<br>Nr15 1ey | WEX014835             | Using waste<br>exemption           | On a farm   | Spreading waste on<br>agricultural land to confer<br>benefit |
| P  | 86m NE   | Oldhouse Farm, Woodton<br>Road, Brooke, Norwich,<br>Nr15 1ey | WEX014835             | Using waste<br>exemption           | On a farm   | Use of waste in construction                                 |
| Q  | 90m E    | Nene Valley Farm Harveys<br>Lane Norwich Nr15 1en            | EPR/VE5957YR<br>/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only                                | Burning waste in the open                                    |
| Q  | 90m E    | Nene Valley Farm Harveys<br>Lane Norwich Nr15 1en            | EPR/VE5957YR<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only                                | Spreading waste on<br>agricultural land to confer<br>benefit |
| Q  | 90m E    | Nene Valley Farm Harveys<br>Lane Norwich Nr15 1en            | EPR/VE5957YR<br>/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only                                | Deposit of waste from<br>dredging of inland waters           |





| ID | Location | Site   | Reference          | Category                     | Sub-Category                                 | Description   |
|----|----------|--|--------------------|------------------------------|--|---|
| Q  | 90m E    | Nene Valley Farm Harveys Lane Norwich Nr15 1en | EPR/VE5957YR /A001 | Using waste exemption        | Agricultural waste only                      | Burning of waste as a fuel in a small appliance       |
| Q  | 90m E    | Nene Valley Farm Harveys Lane Norwich Nr15 1en | EPR/VE5957YR /A001 | Using waste exemption        | Agricultural waste only                      | Use of waste for a specified purpose                  |
| 21 | 97m W    | Land At Tm2376095480                           | EPR/TE5542LT /A001 | Storing waste exemption      | Non-agricultural waste only                  | Storage of sludge                                     |
| R  | 103m S   | The Poultry Farm Road Green Norwich Nr15 2nh   | EPR/AF0138LN /A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Deposit of waste from dredging of inland waters       |
| R  | 103m S   | The Poultry Farm Road Green Norwich Nr15 2nh   | EPR/AF0138LN /A001 | Storing waste exemption      | Both agricultural and non-agricultural waste | Storage of waste in secure containers                 |
| R  | 103m S   | The Poultry Farm Road Green Norwich Nr15 2nh   | EPR/AF0138LN /A001 | Storing waste exemption      | Both agricultural and non-agricultural waste | Storage of waste in a secure place                    |
| R  | 103m S   | The Poultry Farm Road Green Norwich Nr15 2nh   | EPR/AF0138LN /A001 | Treating waste exemption     | Both agricultural and non-agricultural waste | Cleaning, washing, spraying or coating relevant waste |
| R  | 103m S   | The Poultry Farm Road Green Norwich Nr15 2nh   | EPR/AF0138LN /A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste in construction                          |
| R  | 103m S   | The Poultry Farm Road Green Norwich Nr15 2nh   | EPR/AF0138LN /A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste for a specified purpose                  |
| R  | 103m S   | The Poultry Farm Road Green Norwich Nr15 2nh   | EPR/AF0138LN /A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Burning waste in the open                             |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                                 | Description   |
|----|----------|--|--------------------|------------------------------|--|---|
| S  | 105m SW  | Lyncroft, Bungay Road, Hempnall, Norwich, Nr15 2ng     | WEX321577          | Disposing of waste exemption | On a farm                                    | Burning waste in the open   |
| S  | 105m SW  | Lyncroft, Bungay Road, Hempnall, Norwich, Nr15 2ng     | WEX189477          | Disposing of waste exemption | On a farm                                    | Burning waste in the open   |
| S  | 105m SW  | Lyncroft, Bungay Road, Hempnall, Norwich, Nr15 2ng     | WEX030988          | Disposing of waste exemption | On a farm                                    | Burning waste in the open   |
| S  | 107m SW  | Lyncroft Bungay Road Norwich Nr15 2ng                  | EPR/AE5088B H/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Burning waste in the open   |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Disposing of waste exemption | Agricultural waste only                      | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Disposing of waste exemption | Agricultural waste only                      | Burning waste in the open   |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Using waste exemption        | Agricultural waste only                      | Spreading waste on agricultural land to confer benefit  |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Disposing of waste exemption | Agricultural waste only                      | Deposit of waste from dredging of inland waters   |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Treating waste exemption     | Agricultural waste only                      | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Using waste exemption        | Agricultural waste only                      | Use of waste in construction  |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Using waste exemption        | Agricultural waste only                      | Incorporation of ash into soil  |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Using waste exemption        | Agricultural waste only                      | Burning of waste as a fuel in a small appliance   |
| T  | 125m E   | Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd | EPR/DH0071R E/A001 | Using waste exemption        | Agricultural waste only                      | Use of waste for a specified purpose  |



| ID | Location | Site   | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|--|--------------------|------------------------------|-------------------------|--|
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX297476          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX324285          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters        |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX306707          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX306707          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX297474          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX297476          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX018365          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX018365          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX175562          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| U  | 126m SW  | Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX175562          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| 23 | 136m E   | -  | WEX366466          | Storing waste exemption      | On a farm               | Storage of sludge                                      |
| V  | 147m W   | Lime Tree Farm Fairstead Lane Norwich Nr15 2rd             | EPR/WH0079S L/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| V  | 147m W   | Lime Tree Farm Fairstead Lane Norwich Nr15 2rd             | EPR/WH0079S L/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters        |



| ID | Location | Site  | Reference          | Category                     | Sub-Category            | Description   |
|----|----------|---|--------------------|------------------------------|-------------------------|---|
| V  | 147m W   | Lime Tree Farm Fairstead Lane Norwich Nr15 2rd              | EPR/WH0079S L/A001 | Treating waste exemption     | Agricultural waste only | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| V  | 147m W   | Lime Tree Farm Fairstead Lane Norwich Nr15 2rd              | EPR/WH0079S L/A001 | Using waste exemption        | Agricultural waste only | Use of waste for a specified purpose  |
| V  | 148m W   | Lime Tree Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX312455          | Disposing of waste exemption | On a farm               | Burning waste in the open   |
| V  | 148m W   | Lime Tree Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX179370          | Disposing of waste exemption | On a farm               | Burning waste in the open   |
| W  | 149m W   | -   | WEX329503          | Using waste exemption        | On a farm               | Use of waste in the construction of entertainment or educational installations etc            |
| W  | 149m W   | -   | WEX329503          | Using waste exemption        | On a farm               | Use of waste in construction  |
| W  | 149m W   | -   | WEX329503          | Using waste exemption        | On a farm               | Burning of waste as a fuel in a small appliance   |
| W  | 149m W   | -   | WEX329503          | Using waste exemption        | On a farm               | Use of waste for a specified purpose  |
| W  | 149m W   | -   | WEX329503          | Using waste exemption        | On a farm               | Spreading waste on non-agricultural land to confer benefit                                    |
| W  | 149m W   | -   | WEX329503          | Using waste exemption        | On a farm               | Spreading of plant matter to confer benefit   |
| W  | 149m W   | -   | WEX329503          | Using waste exemption        | On a farm               | Incorporation of ash into soil  |
| W  | 149m W   | -   | WEX329503          | Using waste exemption        | On a farm               | Pig and poultry ash   |
| W  | 149m W   | -   | WEX329503          | Treating waste exemption     | On a farm               | Cleaning, washing, spraying or coating relevant waste   |
| W  | 149m W   | -   | WEX329503          | Treating waste exemption     | On a farm               | Preparatory treatments (baling, sorting, shredding etc)                                       |
| W  | 149m W   | -   | WEX329503          | Treating waste exemption     | On a farm               | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |



| ID | Location | Site | Reference | Category                     | Sub-Category | Description  |
|----|----------|------|-----------|------------------------------|--------------|--|
| W  | 149m W   | -    | WEX329503 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters                                      |
| W  | 149m W   | -    | WEX329503 | Storing waste exemption      | On a farm    | Storage of waste in secure containers  |
| W  | 149m W   | -    | WEX329503 | Storing waste exemption      | On a farm    | Storage of waste in a secure place   |
| W  | 149m W   | -    | WEX329503 | Treating waste exemption     | On a farm    | Sorting mixed waste  |
| W  | 149m W   | -    | WEX329503 | Treating waste exemption     | On a farm    | Manual treatment of waste  |
| W  | 149m W   | -    | WEX329503 | Treating waste exemption     | On a farm    | Crushing and emptying waste vehicle oil filters                                      |
| W  | 149m W   | -    | WEX329503 | Using waste exemption        | On a farm    | Use of waste to manufacture finished goods   |
| W  | 149m W   | -    | WEX329503 | Using waste exemption        | On a farm    | Use of mulch   |
| W  | 149m W   | -    | WEX329503 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit                               |
| W  | 149m W   | -    | WEX329503 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| W  | 149m W   | -    | WEX329503 | Disposing of waste exemption | On a farm    | Disposal by incineration   |
| W  | 149m W   | -    | WEX329503 | Disposing of waste exemption | On a farm    | Burning waste in the open  |
| W  | 149m W   | -    | WEX202659 | Disposing of waste exemption | On a farm    | Burning waste in the open  |
| W  | 149m W   | -    | WEX202659 | Disposing of waste exemption | On a farm    | Disposal by incineration   |
| W  | 149m W   | -    | WEX202659 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |



| ID | Location | Site | Reference | Category                     | Sub-Category | Description   |
|----|----------|------|-----------|------------------------------|--------------|---|
| W  | 149m W   | -    | WEX202659 | Treating waste exemption     | On a farm    | Crushing and emptying waste vehicle oil filters   |
| W  | 149m W   | -    | WEX202659 | Treating waste exemption     | On a farm    | Manual treatment of waste   |
| W  | 149m W   | -    | WEX202659 | Treating waste exemption     | On a farm    | Sorting mixed waste   |
| W  | 149m W   | -    | WEX202659 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| W  | 149m W   | -    | WEX202659 | Using waste exemption        | On a farm    | Use of waste in construction  |
| W  | 149m W   | -    | WEX202659 | Using waste exemption        | On a farm    | Pig and poultry ash   |
| W  | 149m W   | -    | WEX202659 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| W  | 149m W   | -    | WEX202659 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit   |
| W  | 149m W   | -    | WEX202659 | Storing waste exemption      | On a farm    | Storage of waste in a secure place  |
| W  | 149m W   | -    | WEX202659 | Storing waste exemption      | On a farm    | Storage of waste in secure containers   |
| W  | 149m W   | -    | WEX202659 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| W  | 149m W   | -    | WEX202659 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| W  | 149m W   | -    | WEX202659 | Treating waste exemption     | On a farm    | Preparatory treatments (baling, sorting, shredding etc)                                       |
| W  | 149m W   | -    | WEX202659 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste   |
| W  | 149m W   | -    | WEX202659 | Using waste exemption        | On a farm    | Spreading waste on non-agricultural land to confer benefit                                    |
| W  | 149m W   | -    | WEX202659 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                                 | Description  |
|----|----------|--|--------------------|------------------------------|--|--|
| W  | 149m W   | -  | WEX202659          | Using waste exemption        | On a farm                                    | Burning of waste as a fuel in a small appliance        |
| X  | 151m E   | Harveys Lane, Seething, Norwich, Nr15 1en          | WEX008402          | Using waste exemption        | Not on a farm                                | Use of waste in construction                           |
| Y  | 155m S   | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh | WEX063126          | Disposing of waste exemption | On a farm                                    | Deposit of waste from dredging of inland waters        |
| Y  | 155m S   | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh | WEX063126          | Storing waste exemption      | On a farm                                    | Storage of waste in secure containers                  |
| Y  | 155m S   | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh | WEX063126          | Storing waste exemption      | On a farm                                    | Storage of waste in a secure place                     |
| Y  | 155m S   | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh | WEX063126          | Treating waste exemption     | On a farm                                    | Cleaning, washing, spraying or coating relevant waste  |
| Y  | 155m S   | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh | WEX063126          | Using waste exemption        | On a farm                                    | Use of waste for a specified purpose                   |
| Y  | 155m S   | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh | WEX063126          | Using waste exemption        | On a farm                                    | Use of waste in construction                           |
| Y  | 155m S   | The Poultry Farm, Silver Green, Hempnall, Nr15 2nh | WEX063126          | Disposing of waste exemption | On a farm                                    | Burning waste in the open                              |
| Z  | 163m SW  | Grange Farm Lundy Green Norwich Nr15 2nx           | EPR/NH0272Y N/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Burning waste in the open                              |
| Z  | 163m SW  | Grange Farm Lundy Green Norwich Nr15 2nx           | EPR/NH0272Y N/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Spreading waste on agricultural land to confer benefit |
| Z  | 163m SW  | Grange Farm Lundy Green Norwich Nr15 2nx           | EPR/NH0272Y N/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Deposit of waste from dredging of inland waters        |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                                 | Description   |
|----|----------|--|--------------------|------------------------------|--|---|
| Z  | 163m SW  | Grange Farm Lundy Green Norwich Nr15 2nx             | EPR/NH0272Y N/A001 | Storing waste exemption      | Both agricultural and non-agricultural waste | Storage of waste in secure containers   |
| Z  | 163m SW  | Grange Farm Lundy Green Norwich Nr15 2nx             | EPR/NH0272Y N/A001 | Treating waste exemption     | Both agricultural and non-agricultural waste | Cleaning, washing, spraying or coating relevant waste   |
| Z  | 163m SW  | Grange Farm Lundy Green Norwich Nr15 2nx             | EPR/NH0272Y N/A001 | Treating waste exemption     | Non-agricultural waste only                  | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| Z  | 163m SW  | Grange Farm Lundy Green Norwich Nr15 2nx             | EPR/NH0272Y N/A001 | Using waste exemption        | Non-agricultural waste only                  | Use of waste in construction  |
| 24 | 169m E   | -  | WEX259537          | Storing waste exemption      | On a farm                                    | Storage of sludge   |
| 25 | 169m E   | -  | WEX114439          | Storing waste exemption      | On a farm                                    | Storage of sludge   |
| AA | 180m NE  | Land At Tm2659096790                                 | EPR/FE5553NP /A001 | Storing waste exemption      | Non-agricultural waste only                  | Storage of sludge   |
| AA | 180m NE  | Land @ Tm26599679                                    | EPR/HE5153ZX /A001 | Storing waste exemption      | Non-agricultural waste only                  | Storage of sludge   |
| AB | 185m E   | Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el | WEX033545          | Disposing of waste exemption | On a farm                                    | Deposit of waste from dredging of inland waters   |
| AB | 185m E   | Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el | WEX033545          | Storing waste exemption      | On a farm                                    | Storage of waste in a secure place  |
| AB | 185m E   | Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el | WEX033545          | Treating waste exemption     | On a farm                                    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AB | 185m E   | Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el | WEX033545          | Using waste exemption        | On a farm                                    | Use of waste in construction  |





| ID | Location | Site  | Reference | Category                     | Sub-Category  | Description  |
|----|----------|---|-----------|------------------------------|---------------|--|
| AB | 185m E   | Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el          | WEX033545 | Using waste exemption        | On a farm     | Use of waste for a specified purpose   |
| AB | 185m E   | Home Farm, Upgate Road, Seething, Norwich, Nr15 1el           | WEX070274 | Using waste exemption        | On a farm     | Use of waste in construction   |
| AB | 185m E   | Home Farm, Upgate Road, Seething, Norwich, Nr15 1el           | WEX077288 | Storing waste exemption      | Not on a farm | Storage of waste in a secure place   |
| AB | 185m E   | Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el          | WEX033545 | Disposing of waste exemption | On a farm     | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| AB | 185m E   | Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el          | WEX033545 | Disposing of waste exemption | On a farm     | Burning waste in the open  |
| AB | 185m E   | Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el          | WEX033545 | Using waste exemption        | On a farm     | Spreading waste on agricultural land to confer benefit                               |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738 | Storing waste exemption      | On a farm     | Storage of waste in a secure place   |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738 | Disposing of waste exemption | On a farm     | Deposit of waste from dredging of inland waters                                      |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738 | Using waste exemption        | On a farm     | Incorporation of ash into soil   |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738 | Using waste exemption        | On a farm     | Spreading of plant matter to confer benefit  |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738 | Using waste exemption        | On a farm     | Use of waste for a specified purpose   |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738 | Using waste exemption        | On a farm     | Burning of waste as a fuel in a small appliance                                      |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738 | Using waste exemption        | On a farm     | Use of waste in construction   |



| ID | Location | Site  | Reference          | Category                     | Sub-Category                | Description   |
|----|----------|---|--------------------|------------------------------|-----------------------------|---|
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738          | Disposing of waste exemption | On a farm                   | Burning waste in the open   |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738          | Using waste exemption        | On a farm                   | Use of mulch  |
| AC | 200m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX289738          | Using waste exemption        | On a farm                   | Spreading waste on agricultural land to confer benefit  |
| 26 | 204m NE  | Land At Tm2626096200  | EPR/TE5242LL /A001 | Storing waste exemption      | Non-agricultural waste only | Storage of sludge   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Using waste exemption        | On a farm                   | Use of waste in construction  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Storing waste exemption      | On a farm                   | Storage of waste in a secure place  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Disposing of waste exemption | On a farm                   | Deposit of waste from dredging of inland waters   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Treating waste exemption     | On a farm                   | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Treating waste exemption     | On a farm                   | Cleaning, washing, spraying or coating relevant waste   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Using waste exemption        | On a farm                   | Incorporation of ash into soil  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Using waste exemption        | On a farm                   | Use of waste for a specified purpose  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Disposing of waste exemption | On a farm                   | Burning waste in the open   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj  | WEX305429          | Disposing of waste exemption | On a farm                   | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |



| ID | Location | Site   | Reference | Category                     | Sub-Category | Description   |
|----|----------|--|-----------|------------------------------|--------------|---|
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX305429 | Treating waste exemption     | On a farm    | Screening and blending of waste   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX305429 | Using waste exemption        | On a farm    | Use of mulch  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX305429 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Storing waste exemption      | On a farm    | Storage of waste in a secure place  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Using waste exemption        | On a farm    | Use of waste in construction  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Treating waste exemption     | On a farm    | Screening and blending of waste   |



| ID | Location | Site   | Reference | Category                     | Sub-Category | Description   |
|----|----------|--|-----------|------------------------------|--------------|---|
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Storing waste exemption      | On a farm    | Storage of sludge   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Using waste exemption        | On a farm    | Use of waste in construction  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX009847 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538 | Using waste exemption        | On a farm    | Use of mulch  |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                | Description   |
|----|----------|--|--------------------|------------------------------|-----------------------------|---|
| AD | 209m S   | Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj | WEX172538          | Treating waste exemption     | On a farm                   | Screening and blending of waste   |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Disposing of waste exemption | Agricultural waste only     | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Disposing of waste exemption | Agricultural waste only     | Burning waste in the open   |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Treating waste exemption     | Agricultural waste only     | Screening and blending of waste   |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Using waste exemption        | Agricultural waste only     | Spreading waste on agricultural land to confer benefit  |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Disposing of waste exemption | Agricultural waste only     | Deposit of waste from dredging of inland waters   |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Treating waste exemption     | Agricultural waste only     | Cleaning, washing, spraying or coating relevant waste   |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Treating waste exemption     | Agricultural waste only     | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Using waste exemption        | Agricultural waste only     | Use of waste in construction  |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Using waste exemption        | Agricultural waste only     | Spreading of plant matter to confer benefit   |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Using waste exemption        | Agricultural waste only     | Incorporation of ash into soil  |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Using waste exemption        | Agricultural waste only     | Use of waste for a specified purpose  |
| AD | 210m S   | Silver Green Farm Silver Green Norwich Nr15 2nj              | EPR/JE5859YT /A001 | Storing waste exemption      | Non-agricultural waste only | Storage of sludge   |
| AE | 211m NE  | Oldhouse Farm Woodton Road Norwich Nr15 1ey                  | EPR/AH0676X V/A001 | Disposing of waste exemption | Agricultural waste only     | Deposit of waste from dredging of inland waters   |
| AE | 211m NE  | Oldhouse Farm Woodton Road Norwich Nr15 1ey                  | EPR/AH0676X V/A001 | Using waste exemption        | Agricultural waste only     | Use of waste in construction  |



| ID | Location | Site  | Reference          | Category                     | Sub-Category            | Description   |
|----|----------|---|--------------------|------------------------------|-------------------------|---|
| AE | 211m NE  | Oldhouse Farm Woodton Road Norwich Nr15 1ey | EPR/AH0676X V/A001 | Using waste exemption        | Agricultural waste only | Burning of waste as a fuel in a small appliance   |
| AE | 211m NE  | Oldhouse Farm Woodton Road Norwich Nr15 1ey | EPR/AH0676X V/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open   |
| AE | 211m NE  | Oldhouse Farm Woodton Road Norwich Nr15 1ey | EPR/AH0676X V/A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit  |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na     | WEX318959          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters   |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na     | WEX318959          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit  |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na     | WEX318959          | Disposing of waste exemption | On a farm               | Burning waste in the open   |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na     | WEX191604          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit  |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na     | WEX191604          | Disposing of waste exemption | On a farm               | Burning waste in the open   |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na     | WEX191604          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters   |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na                 | EPR/DH0274H E/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters   |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na                 | EPR/DH0274H E/A001 | Storing waste exemption      | Agricultural waste only | Storage of waste in secure containers   |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na                 | EPR/DH0274H E/A001 | Storing waste exemption      | Agricultural waste only | Storage of waste in a secure place  |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na                 | EPR/DH0274H E/A001 | Treating waste exemption     | Agricultural waste only | Cleaning, washing, spraying or coating relevant waste   |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na                 | EPR/DH0274H E/A001 | Treating waste exemption     | Agricultural waste only | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |



| ID | Location | Site                                    | Reference          | Category                     | Sub-Category            | Description   |
|----|----------|---|--------------------|------------------------------|-------------------------|---|
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na             | EPR/DH0274H E/A001 | Using waste exemption        | Agricultural waste only | Use of waste in construction  |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na             | EPR/DH0274H E/A001 | Using waste exemption        | Agricultural waste only | Spreading of plant matter to confer benefit   |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na             | EPR/DH0274H E/A001 | Using waste exemption        | Agricultural waste only | Incorporation of ash into soil  |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Disposing of waste exemption | On a farm               | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Disposing of waste exemption | On a farm               | Burning waste in the open   |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit  |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters   |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Storing waste exemption      | On a farm               | Storage of waste in secure containers   |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Storing waste exemption      | On a farm               | Storage of waste in a secure place  |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Treating waste exemption     | On a farm               | Cleaning, washing, spraying or coating relevant waste   |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Treating waste exemption     | On a farm               | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Using waste exemption        | On a farm               | Use of waste in construction  |
| AF | 216m E   | Norwich Road, Woodton, Bungay, Nr35 2na | WEX023916          | Using waste exemption        | On a farm               | Spreading of plant matter to confer benefit   |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na             | EPR/DH0274H E/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open   |
| AF | 216m E   | Dairy Farm Suffolk Nr35 2na             | EPR/DH0274H E/A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit  |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX327778 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX327778 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX327778 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX048985 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX048985 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX202395 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX202395 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX202395 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX048985 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX048985 | Storing waste exemption      | On a farm    | Storage of waste in secure containers   |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX048985 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste   |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX048985 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AG | 219m SW  | Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx | WEX048985 | Using waste exemption        | On a farm    | Use of waste in construction  |





| ID | Location | Site   | Reference | Category                     | Sub-Category | Description  |
|----|----------|--|-----------|------------------------------|--------------|--|
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX337297 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX337297 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX337297 | Using waste exemption        | On a farm    | Use of waste in construction                           |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX337297 | Using waste exemption        | On a farm    | Use of waste for a specified purpose                   |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX337297 | Using waste exemption        | On a farm    | Incorporation of ash into soil                         |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX337297 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste  |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX213809 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste  |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX213809 | Using waste exemption        | On a farm    | Incorporation of ash into soil                         |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX213809 | Using waste exemption        | On a farm    | Use of waste for a specified purpose                   |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX054280 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX054280 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX213809 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl | WEX213809 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |



| ID | Location | Site  | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|---|--------------------|------------------------------|-------------------------|--|
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl        | WEX213809          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl        | WEX054280          | Treating waste exemption     | On a farm               | Cleaning, washing, spraying or coating relevant waste  |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl        | WEX054280          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl        | WEX054280          | Using waste exemption        | On a farm               | Incorporation of ash into soil                         |
| AH | 221m W   | Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl        | WEX054280          | Using waste exemption        | On a farm               | Use of waste for a specified purpose                   |
| AH | 223m W   | Hill Farm Ipswich Road Norwich Nr15 1nl                     | EPR/FH0975YS /A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| AH | 223m W   | Hill Farm Ipswich Road Norwich Nr15 1nl                     | EPR/FH0975YS /A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit |
| AH | 223m W   | Hill Farm Ipswich Road Norwich Nr15 1nl                     | EPR/FH0975YS /A001 | Treating waste exemption     | Agricultural waste only | Cleaning, washing, spraying or coating relevant waste  |
| AH | 223m W   | Hill Farm Ipswich Road Norwich Nr15 1nl                     | EPR/FH0975YS /A001 | Using waste exemption        | Agricultural waste only | Use of waste in construction                           |
| AH | 223m W   | Hill Farm Ipswich Road Norwich Nr15 1nl                     | EPR/FH0975YS /A001 | Using waste exemption        | Agricultural waste only | Incorporation of ash into soil                         |
| AH | 223m W   | Hill Farm Ipswich Road Norwich Nr15 1nl                     | EPR/FH0975YS /A001 | Using waste exemption        | Agricultural waste only | Use of waste for a specified purpose                   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977          | Disposing of waste exemption | On a farm               | Disposal by incineration                               |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977          | Treating waste exemption     | On a farm               | Recovery of scrap metal                                |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Using waste exemption        | On a farm    | Use of mulch  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Storing waste exemption      | On a farm    | Storage of sludge   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Storing waste exemption      | On a farm    | Storage of waste in a secure place  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Storing waste exemption      | On a farm    | Storage of waste in secure containers   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Using waste exemption        | On a farm    | Pig and poultry ash   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Using waste exemption        | On a farm    | Spreading waste on non-agricultural land to confer benefit                                    |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX337977 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Disposing of waste exemption | On a farm    | Disposal by incineration  |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Treating waste exemption     | On a farm    | Recovery of scrap metal   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Using waste exemption        | On a farm    | Use of mulch  |
| AI | 223m W   | Lime Tree Farm, Fairstead Lane, Hempnall, Norwich, Nr152rd  | WEX010965 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Storing waste exemption      | On a farm    | Storage of sludge   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Using waste exemption        | On a farm    | Spreading waste on non-agricultural land to confer benefit                                    |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Using waste exemption        | On a farm    | Pig and poultry ash   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Storing waste exemption      | On a farm    | Storage of waste in secure containers   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Storing waste exemption      | On a farm    | Storage of waste in a secure place  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Storing waste exemption      | On a farm    | Storage of sludge   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Using waste exemption        | On a farm    | Spreading waste on non-agricultural land to confer benefit                                    |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Using waste exemption        | On a farm    | Pig and poultry ash   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Storing waste exemption      | On a farm    | Storage of waste in secure containers   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX053630 | Storing waste exemption      | On a farm    | Storage of waste in a secure place  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883 | Using waste exemption        | On a farm    | Use of mulch  |



| ID | Location | Site  | Reference          | Category                     | Sub-Category                                 | Description   |
|----|----------|---|--------------------|------------------------------|--|---|
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883          | Disposing of waste exemption | On a farm                                    | Disposal by incineration  |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883          | Disposing of waste exemption | On a farm                                    | Burning waste in the open   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883          | Treating waste exemption     | On a farm                                    | Recovery of scrap metal   |
| AI | 223m W   | Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd | WEX209883          | Using waste exemption        | On a farm                                    | Spreading waste on agricultural land to confer benefit  |
| AJ | 227m S   | Moat Farm Bungay Road Norwich Nr15 2nq                      | EPR/PF0536G M/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste in construction  |
| AJ | 227m S   | Moat Farm Bungay Road Norwich Nr15 2nq                      | EPR/PF0536G M/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Deposit of waste from dredging of inland waters   |
| AJ | 227m S   | Moat Farm Bungay Road Norwich Nr15 2nq                      | EPR/PF0536G M/A001 | Treating waste exemption     | Both agricultural and non-agricultural waste | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AJ | 227m S   | Moat Farm Bungay Road Norwich Nr15 2nq                      | EPR/PF0536G M/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Spreading of plant matter to confer benefit   |
| AJ | 227m S   | Moat Farm Bungay Road Norwich Nr15 2nq                      | EPR/PF0536G M/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Incorporation of ash into soil  |
| AJ | 227m S   | Moat Farm Bungay Road Norwich Nr15 2nq                      | EPR/PF0536G M/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste for a specified purpose  |



| ID | Location | Site                                       | Reference             | Category                           | Sub-Category  | Description  |
|----|----------|--|-----------------------|------------------------------------|---|--|
| AJ | 227m S   | Moat Farm Bungay Road<br>Norwich Nr15 2nq  | EPR/PF0536G<br>M/A001 | Disposing of<br>waste<br>exemption | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Burning waste in the open  |
| AJ | 227m S   | Moat Farm Bungay Road<br>Norwich Nr15 2nq  | EPR/PF0536G<br>M/A001 | Using waste<br>exemption           | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Spreading waste on<br>agricultural land to confer<br>benefit   |
| 27 | 233m E   | -  | WEX374697             | Storing waste<br>exemption         | On a farm   | Storage of sludge  |
| AK | 244m N   | Land At Tm25289697                         | EPR/GE5186W<br>F/A001 | Storing waste<br>exemption         | Non-<br>agricultural<br>waste only                        | Storage of sludge  |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only                                | Deposit of agricultural waste<br>consisting of plant tissue<br>under a Plant Health notice             |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only                                | Burning waste in the open  |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Treating waste<br>exemption        | Agricultural<br>waste only                                | Treatment of sheep dip for<br>disposal   |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only                                | Spreading waste on<br>agricultural land to confer<br>benefit   |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only                                | Deposit of waste from<br>dredging of inland waters   |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Treating waste<br>exemption        | Agricultural<br>waste only                                | Treatment of waste wood<br>and waste plant matter by<br>chipping, shredding, cutting<br>or pulverising |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only                                | Use of waste in construction   |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only                                | Use of waste for a specified<br>purpose  |
| AL | 253m E   | Manor Farm Upgate Road<br>Norwich Nr15 1el | EPR/JE5789MJ<br>/A001 | Storing waste<br>exemption         | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Storage of waste in a secure<br>place  |



| ID | Location | Site   | Reference | Category                     | Sub-Category | Description   |
|----|----------|--|-----------|------------------------------|--------------|---|
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Using waste exemption        | On a farm    | Use of waste in construction  |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Using waste exemption        | On a farm    | Burning of waste as a fuel in a small appliance   |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX326831 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX036406 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |





| ID | Location | Site   | Reference | Category                     | Sub-Category | Description   |
|----|----------|--|-----------|------------------------------|--------------|---|
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX036406 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX036406 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX194961 | Using waste exemption        | On a farm    | Use of waste in construction  |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX194961 | Using waste exemption        | On a farm    | Burning of waste as a fuel in a small appliance   |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX194961 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX194961 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX194961 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX194961 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX036406 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AM | 255m E   | Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd | WEX036406 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |



| ID | Location | Site  | Reference | Category                           | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------------|--------------|--|
| AM | 255m E   | Hill House Farm,<br>Shotesham Road,<br>Woodton, Bungay, Nr35<br>2nd | WEX036406 | Using waste<br>exemption           | On a farm    | Use of waste in construction   |
| AM | 255m E   | Hill House Farm,<br>Shotesham Road,<br>Woodton, Bungay, Nr35<br>2nd | WEX036406 | Using waste<br>exemption           | On a farm    | Use of waste for a specified<br>purpose  |
| AM | 255m E   | Hill House Farm,<br>Shotesham Road,<br>Woodton, Bungay, Nr35<br>2nd | WEX036406 | Using waste<br>exemption           | On a farm    | Incorporation of ash into soil   |
| AM | 255m E   | Hill House Farm,<br>Shotesham Road,<br>Woodton, Bungay, Nr35<br>2nd | WEX036406 | Using waste<br>exemption           | On a farm    | Burning of waste as a fuel in a<br>small appliance   |
| AM | 255m E   | Hill House Farm,<br>Shotesham Road,<br>Woodton, Bungay, Nr35<br>2nd | WEX194961 | Disposing of<br>waste<br>exemption | On a farm    | Burning waste in the open  |
| AM | 255m E   | Hill House Farm,<br>Shotesham Road,<br>Woodton, Bungay, Nr35<br>2nd | WEX194961 | Using waste<br>exemption           | On a farm    | Spreading waste on<br>agricultural land to confer<br>benefit                               |
| AM | 255m E   | Hill House Farm,<br>Shotesham Road,<br>Woodton, Bungay, Nr35<br>2nd | WEX194961 | Disposing of<br>waste<br>exemption | On a farm    | Deposit of agricultural waste<br>consisting of plant tissue<br>under a Plant Health notice |
| AJ | 255m S   | Moat Farm, Bungay Road,<br>Hempnall, Norwich, Nr15<br>2nq           | WEX343245 | Using waste<br>exemption           | On a farm    | Spreading waste on<br>agricultural land to confer<br>benefit                               |
| AJ | 255m S   | Moat Farm, Bungay Road,<br>Hempnall, Norwich, Nr15<br>2nq           | WEX343245 | Disposing of<br>waste<br>exemption | On a farm    | Burning waste in the open  |
| AJ | 255m S   | Moat Farm, Bungay Road,<br>Hempnall, Norwich, Nr15<br>2nq           | WEX343245 | Using waste<br>exemption           | On a farm    | Use of waste in construction   |
| AJ | 255m S   | Moat Farm, Bungay Road,<br>Hempnall, Norwich, Nr15<br>2nq           | WEX343245 | Using waste<br>exemption           | On a farm    | Use of waste for a specified<br>purpose  |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX343245 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit   |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX343245 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX343245 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX343245 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX214643 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX214643 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX214643 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX214643 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit   |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX214643 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX214643 | Using waste exemption        | On a farm    | Use of waste in construction  |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX059592 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX059592 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX059592 | Using waste exemption        | On a farm    | Use of waste in construction  |



| ID | Location | Site  | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|---|--------------------|------------------------------|-------------------------|--|
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX059592          | Using waste exemption        | On a farm               | Spreading of plant matter to confer benefit            |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX059592          | Using waste exemption        | On a farm               | Incorporation of ash into soil                         |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX059592          | Using waste exemption        | On a farm               | Use of waste for a specified purpose                   |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX059592          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX059592          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX214643          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| AJ | 255m S   | Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq | WEX214643          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| AK | 256m N   | -   | WEX006600          | Storing waste exemption      | On a farm               | Storage of sludge                                      |
| AN | 260m N   | Hengate Farm Brooke Road Norwich Nr15 1xn           | EPR/PH0172P U/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| AN | 260m N   | Hengate Farm Brooke Road Norwich Nr15 1xn           | EPR/PH0172P U/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters        |
| AN | 260m N   | Hengate Farm Brooke Road Norwich Nr15 1xn           | EPR/PH0172P U/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from a portable sanitary convenience  |
| AN | 260m N   | Hengate Farm Brooke Road Norwich Nr15 1xn           | EPR/PH0172P U/A001 | Using waste exemption        | Agricultural waste only | Use of waste for a specified purpose                   |
| AO | 262m NE  | Beech Farm Littlebeck Lane Norwich Nr15 1et         | EPR/YE5280SE /A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| AO | 262m NE  | Beech Farm Littlebeck Lane Norwich Nr15 1et         | EPR/YE5280SE /A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters        |



| ID | Location | Site   | Reference | Category                     | Sub-Category  | Description  |
|----|----------|--|-----------|------------------------------|---------------|--|
| AO | 263m NE  | Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et   | WEX317559 | Disposing of waste exemption | On a farm     | Burning waste in the open                                |
| AO | 263m NE  | Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et   | WEX317559 | Disposing of waste exemption | On a farm     | Deposit of waste from dredging of inland waters          |
| AO | 263m NE  | Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et   | WEX188641 | Disposing of waste exemption | On a farm     | Deposit of waste from dredging of inland waters          |
| AO | 263m NE  | Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et   | WEX031382 | Disposing of waste exemption | On a farm     | Deposit of waste from dredging of inland waters          |
| AO | 263m NE  | Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et   | WEX188641 | Disposing of waste exemption | On a farm     | Burning waste in the open                                |
| AO | 263m NE  | Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et   | WEX031382 | Disposing of waste exemption | On a farm     | Burning waste in the open                                |
| AP | 264m W   | Mill Road, Hempnall, Norwich, Nr15 2lp                   | WEX342527 | Treating waste exemption     | Not on a farm | Sorting and de-naturing of controlled drugs for disposal |
| AP | 264m W   | Mill Road, Hempnall, Norwich, Nr15 2lp                   | WEX218796 | Treating waste exemption     | Not on a farm | Sorting and de-naturing of controlled drugs for disposal |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889 | Disposing of waste exemption | On a farm     | Burning waste in the open                                |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889 | Using waste exemption        | On a farm     | Spreading waste on agricultural land to confer benefit   |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889 | Using waste exemption        | On a farm     | Use of mulch   |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889 | Storing waste exemption      | On a farm     | Storage of waste in a secure place                       |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889 | Using waste exemption        | On a farm     | Use of waste in construction                             |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889 | Using waste exemption        | On a farm     | Spreading of plant matter to confer benefit              |



| ID | Location | Site   | Reference          | Category                     | Sub-Category            | Description   |
|----|----------|--|--------------------|------------------------------|-------------------------|---|
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889          | Using waste exemption        | On a farm               | Incorporation of ash into soil                          |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889          | Using waste exemption        | On a farm               | Burning of waste as a fuel in a small appliance         |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889          | Using waste exemption        | On a farm               | Use of waste for a specified purpose                    |
| AQ | 286m SW  | Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np | WEX051889          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters         |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Disposing of waste exemption | Agricultural waste only | Disposal by incineration                                |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                               |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Treating waste exemption     | Agricultural waste only | Treatment of waste in a biobed or biofilter             |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit  |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters         |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Storing waste exemption      | Agricultural waste only | Storage of waste in secure containers                   |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Storing waste exemption      | Agricultural waste only | Storage of waste in a secure place                      |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Treating waste exemption     | Agricultural waste only | Cleaning, washing, spraying or coating relevant waste   |
| AR | 289m W   | Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg         | EPR/LF0534UH /A001 | Treating waste exemption     | Agricultural waste only | Preparatory treatments (baling, sorting, shredding etc) |



| ID | Location | Site  | Reference             | Category                           | Sub-Category                       | Description  |
|----|----------|---|-----------------------|------------------------------------|------------------------------------|--|
| AR | 289m W   | Fairstead Lane Farm<br>Pymars Lane Norwich Nr15<br>2rg      | EPR/LF0534UH<br>/A001 | Treating waste<br>exemption        | Agricultural<br>waste only         | Treatment of waste wood<br>and waste plant matter by<br>chipping, shredding, cutting<br>or pulverising |
| AR | 289m W   | Fairstead Lane Farm<br>Pymars Lane Norwich Nr15<br>2rg      | EPR/LF0534UH<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only         | Pig and poultry ash  |
| AR | 289m W   | Fairstead Lane Farm<br>Pymars Lane Norwich Nr15<br>2rg      | EPR/LF0534UH<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only         | Burning of waste as a fuel in a<br>small appliance   |
| AR | 289m W   | Fairstead Lane Farm<br>Pymars Lane Norwich Nr15<br>2rg      | EPR/LF0534UH<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only         | Use of waste for a specified<br>purpose  |
| AS | 289m NE  | Land At Tm2658095670  | EPR/FE5353N<br>D/A001 | Storing waste<br>exemption         | Non-<br>agricultural<br>waste only | Storage of sludge  |
| AS | 289m NE  | Land @ Tm26589567   | EPR/HE5553Z<br>N/A001 | Storing waste<br>exemption         | Non-<br>agricultural<br>waste only | Storage of sludge  |
| AT | 290m NE  | -   | WEX316477             | Using waste<br>exemption           | On a farm                          | Use of waste in construction   |
| AU | 291m SW  | Manor Farm The Green<br>Norwich Nr15 2sq                    | EPR/KE5588KE<br>/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only         | Deposit of waste from<br>dredging of inland waters   |
| AU | 291m SW  | Manor Farm The Green<br>Norwich Nr15 2sq                    | EPR/KE5588KE<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only         | Use of waste for a specified<br>purpose  |
| AU | 291m SW  | Manor Farm The Green<br>Norwich Nr15 2sq                    | EPR/KE5588KE<br>/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only         | Burning waste in the open  |
| AU | 292m SW  | Manor Farm, Shelton<br>Green, Shelton, Norwich,<br>Nr15 2sq | WEX346437             | Using waste<br>exemption           | On a farm                          | Use of waste for a specified<br>purpose  |
| AU | 292m SW  | Manor Farm, Shelton<br>Green, Shelton, Norwich,<br>Nr15 2sq | WEX346437             | Disposing of<br>waste<br>exemption | On a farm                          | Deposit of waste from<br>dredging of inland waters   |
| AU | 292m SW  | Manor Farm, Shelton<br>Green, Shelton, Norwich,<br>Nr15 2sq | WEX346437             | Disposing of<br>waste<br>exemption | On a farm                          | Burning waste in the open  |
| AU | 292m SW  | Manor Farm, Shelton<br>Green, Shelton, Norwich,<br>Nr15 2sq | WEX216964             | Using waste<br>exemption           | On a farm                          | Use of waste for a specified<br>purpose  |



| ID | Location | Site  | Reference          | Category                     | Sub-Category                | Description  |
|----|----------|---|--------------------|------------------------------|-----------------------------|--|
| AU | 292m SW  | Manor Farm, Shelton Green, Shelton, Norwich, Nr15 2sq | WEX216964          | Disposing of waste exemption | On a farm                   | Deposit of waste from dredging of inland waters        |
| AU | 292m SW  | Manor Farm, Shelton Green, Shelton, Norwich, Nr15 2sq | WEX065887          | Disposing of waste exemption | On a farm                   | Deposit of waste from dredging of inland waters        |
| AU | 292m SW  | Manor Farm, Shelton Green, Shelton, Norwich, Nr15 2sq | WEX065887          | Using waste exemption        | On a farm                   | Use of waste for a specified purpose                   |
| AU | 292m SW  | Manor Farm, Shelton Green, Shelton, Norwich, Nr15 2sq | WEX216964          | Disposing of waste exemption | On a farm                   | Burning waste in the open                              |
| AU | 292m SW  | Manor Farm, Shelton Green, Shelton, Norwich, Nr15 2sq | WEX065887          | Disposing of waste exemption | On a farm                   | Burning waste in the open                              |
| AV | 298m W   | Land At Tm24289506                                    | EPR/LE5143KA /A001 | Storing waste exemption      | Non-agricultural waste only | Storage of sludge                                      |
| AT | 301m NE  | -   | WEX364372          | Disposing of waste exemption | Not on a farm               | Burning waste in the open                              |
| AV | 308m W   | Land At Tm24289505                                    | EPR/LE5243KD /A001 | Storing waste exemption      | Non-agricultural waste only | Storage of sludge                                      |
| AQ | 312m SW  | -   | WEX331838          | Using waste exemption        | On a farm                   | Spreading waste on agricultural land to confer benefit |
| AQ | 312m SW  | -   | WEX331838          | Using waste exemption        | On a farm                   | Use of mulch   |
| AQ | 312m SW  | -   | WEX331838          | Disposing of waste exemption | On a farm                   | Burning waste in the open                              |
| AQ | 312m SW  | -   | WEX331838          | Using waste exemption        | On a farm                   | Use of waste in construction                           |
| AQ | 312m SW  | -   | WEX331838          | Using waste exemption        | On a farm                   | Use of waste for a specified purpose                   |
| AQ | 312m SW  | -   | WEX331838          | Using waste exemption        | On a farm                   | Spreading of plant matter to confer benefit            |
| AQ | 312m SW  | -   | WEX331838          | Using waste exemption        | On a farm                   | Incorporation of ash into soil                         |





| ID | Location | Site | Reference | Category                     | Sub-Category | Description  |
|----|----------|------|-----------|------------------------------|--------------|--|
| AQ | 312m SW  | -    | WEX331838 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| AQ | 312m SW  | -    | WEX331838 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                     |
| AQ | 312m SW  | -    | WEX366065 | Using waste exemption        | On a farm    | Incorporation of ash into soil                         |
| AQ | 312m SW  | -    | WEX366065 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                     |
| AQ | 312m SW  | -    | WEX366065 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| AQ | 312m SW  | -    | WEX366065 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit            |
| AQ | 312m SW  | -    | WEX366065 | Using waste exemption        | On a farm    | Use of mulch   |
| AQ | 312m SW  | -    | WEX366065 | Using waste exemption        | On a farm    | Use of waste for a specified purpose                   |
| AQ | 312m SW  | -    | WEX366065 | Using waste exemption        | On a farm    | Use of waste in construction                           |
| AQ | 312m SW  | -    | WEX366065 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| AQ | 312m SW  | -    | WEX366065 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| AQ | 312m SW  | -    | WEX205138 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| AQ | 312m SW  | -    | WEX205138 | Using waste exemption        | On a farm    | Use of mulch   |
| AQ | 312m SW  | -    | WEX205138 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| AQ | 312m SW  | -    | WEX205138 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                     |
| AQ | 312m SW  | -    | WEX205138 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |



| ID | Location | Site  | Reference | Category                     | Sub-Category  | Description  |
|----|----------|---|-----------|------------------------------|---------------|--|
| AQ | 312m SW  | -   | WEX205138 | Using waste exemption        | On a farm     | Incorporation of ash into soil                         |
| AQ | 312m SW  | -   | WEX205138 | Using waste exemption        | On a farm     | Spreading of plant matter to confer benefit            |
| AQ | 312m SW  | -   | WEX205138 | Using waste exemption        | On a farm     | Use of waste for a specified purpose                   |
| AQ | 312m SW  | -   | WEX205138 | Using waste exemption        | On a farm     | Use of waste in construction                           |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Using waste exemption        | On a farm     | Spreading of plant matter to confer benefit            |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Using waste exemption        | On a farm     | Incorporation of ash into soil                         |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Disposing of waste exemption | On a farm     | Deposit of waste from dredging of inland waters        |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Using waste exemption        | On a farm     | Use of waste for a specified purpose                   |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Storing waste exemption      | On a farm     | Storage of waste in a secure place                     |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Using waste exemption        | On a farm     | Use of waste in construction                           |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Using waste exemption        | On a farm     | Burning of waste as a fuel in a small appliance        |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Using waste exemption        | On a farm     | Spreading waste on agricultural land to confer benefit |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Disposing of waste exemption | On a farm     | Burning waste in the open                              |
| AQ | 312m SW  | Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np | WEX151687 | Using waste exemption        | On a farm     | Use of mulch   |
| AW | 339m W   | Ipswich Road, Tasburgh, Norwich, Nr15 1ns                     | WEX306159 | Using waste exemption        | Not on a farm | Burning of waste as a fuel in a small appliance        |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                | Description   |
|----|----------|--|--------------------|------------------------------|-----------------------------|---|
| AW | 339m W   | Ipswich Road, Tasburgh, Norwich, Nr15 1ns                      | WEX306159          | Disposing of waste exemption | Not on a farm               | Burning waste in the open   |
| AW | 339m W   | Ipswich Road, Tasburgh, Norwich, Nr15 1ns                      | WEX143127          | Disposing of waste exemption | Not on a farm               | Disposal by incineration  |
| AW | 339m W   | Ipswich Road, Tasburgh, Norwich, Nr15 1ns                      | WEX143127          | Disposing of waste exemption | Not on a farm               | Burning waste in the open   |
| AW | 340m W   | Superior Garden Buildings Ipswich Road Norwich Nr15 1ns        | EPR/CF0402CJ /A001 | Disposing of waste exemption | Non-agricultural waste only | Disposal by incineration  |
| AW | 340m W   | Superior Garden Buildings Ipswich Road Norwich Nr15 1ns        | EPR/CF0402CJ /A001 | Disposing of waste exemption | Non-agricultural waste only | Burning waste in the open   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX306607          | Disposing of waste exemption | On a farm                   | Burning waste in the open   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX306607          | Treating waste exemption     | On a farm                   | Recovery of scrap metal   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX306607          | Using waste exemption        | On a farm                   | Use of mulch  |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX306607          | Using waste exemption        | On a farm                   | Spreading waste on agricultural land to confer benefit  |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX306607          | Treating waste exemption     | On a farm                   | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX306607          | Using waste exemption        | On a farm                   | Spreading of plant matter to confer benefit   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX306607          | Using waste exemption        | On a farm                   | Use of waste in construction  |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX099636          | Using waste exemption        | On a farm                   | Spreading waste on agricultural land to confer benefit  |



| ID | Location | Site   | Reference          | Category                     | Sub-Category            | Description   |
|----|----------|--|--------------------|------------------------------|-------------------------|---|
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX099636          | Storing waste exemption      | On a farm               | Storage of waste in secure containers   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX099636          | Treating waste exemption     | On a farm               | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX099636          | Using waste exemption        | On a farm               | Spreading of plant matter to confer benefit   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX099636          | Storing waste exemption      | On a farm               | Storage of waste in a secure place  |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX099636          | Treating waste exemption     | On a farm               | Aerobic composting and associated prior treatment   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX099636          | Using waste exemption        | On a farm               | Use of waste for a specified purpose  |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX253794          | Storing waste exemption      | On a farm               | Storage of waste in a secure place  |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX253794          | Using waste exemption        | On a farm               | Spreading of plant matter to confer benefit   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX253794          | Using waste exemption        | On a farm               | Use of mulch  |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX253794          | Disposing of waste exemption | On a farm               | Burning waste in the open   |
| AX | 342m NW  | Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th | WEX253794          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit  |
| AX | 352m NW  | Hall Farm The Green Norwich Nr15 1th                           | EPR/GF0237RS /A001 | Storing waste exemption      | Agricultural waste only | Storage of waste in secure containers   |
| AX | 352m NW  | Hall Farm The Green Norwich Nr15 1th                           | EPR/GF0237RS /A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open   |



| ID | Location | Site   | Reference             | Category                           | Sub-Category               | Description  |
|----|----------|--|-----------------------|------------------------------------|----------------------------|--|
| AX | 352m NW  | Hall Farm The Green<br>Norwich Nr15 1th                        | EPR/GF0237RS<br>/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Spreading waste on<br>agricultural land to confer<br>benefit   |
| AY | 364m E   | -  | WEX259477             | Storing waste<br>exemption         | On a farm                  | Storage of sludge  |
| AY | 365m E   | -  | WEX259476             | Storing waste<br>exemption         | On a farm                  | Storage of sludge  |
| 28 | 378m S   | The Airfield, Barondole<br>Lane, Topcroft, Bungay,<br>Nr35 2be | WEX093127             | Storing waste<br>exemption         | Not on a farm              | Storage of waste in a secure<br>place  |
| 29 | 405m NE  | The Mallows, 50 High<br>Green, Brooke, Nr15 1ja                | WEX129229             | Using waste<br>exemption           | Not on a farm              | Use of waste in construction   |
| BA | 406m S   | -  | WEX323050             | Using waste<br>exemption           | On a farm                  | Use of waste in construction   |
| BA | 406m S   | Bdf Ltd, Sprig Lane,<br>Hempnall, Nr152ny                      | WEX041035             | Storing waste<br>exemption         | On a farm                  | Storage of waste in secure<br>containers   |
| BA | 406m S   | Bdf Ltd, Sprig Lane,<br>Hempnall, Nr152ny                      | WEX041035             | Storing waste<br>exemption         | On a farm                  | Storage of waste in a secure<br>place  |
| BA | 406m S   | Bdf Ltd, Sprig Lane,<br>Hempnall, Nr152ny                      | WEX041035             | Treating waste<br>exemption        | On a farm                  | Cleaning, washing, spraying<br>or coating relevant waste   |
| BA | 406m S   | Bdf Ltd, Sprig Lane,<br>Hempnall, Nr152ny                      | WEX041035             | Treating waste<br>exemption        | On a farm                  | Aerobic composting and<br>associated prior treatment   |
| BA | 406m S   | Bdf Ltd, Sprig Lane,<br>Hempnall, Nr152ny                      | WEX041035             | Using waste<br>exemption           | On a farm                  | Use of waste for a specified<br>purpose  |
| BA | 406m S   | -  | WEX196954             | Using waste<br>exemption           | On a farm                  | Use of waste in construction   |
| BA | 406m S   | Spring Lane Farm Spring<br>Lane Bungay Suffolk Nr35<br>2bd     | EPR/NE5184N<br>U/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only | Deposit of waste from<br>dredging of inland waters   |
| BA | 406m S   | Spring Lane Farm Spring<br>Lane Bungay Suffolk Nr35<br>2bd     | EPR/NE5184N<br>U/A001 | Storing waste<br>exemption         | Agricultural<br>waste only | Storage of waste in secure<br>containers   |
| BA | 406m S   | Spring Lane Farm Spring<br>Lane Bungay Suffolk Nr35<br>2bd     | EPR/NE5184N<br>U/A001 | Treating waste<br>exemption        | Agricultural<br>waste only | Treatment of waste wood<br>and waste plant matter by<br>chipping, shredding, cutting<br>or pulverising |
| BA | 406m S   | Spring Lane Farm Spring<br>Lane Bungay Suffolk Nr35<br>2bd     | EPR/NE5184N<br>U/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Use of waste in construction   |



| ID | Location | Site  | Reference          | Category                     | Sub-Category                | Description   |
|----|----------|---|--------------------|------------------------------|-----------------------------|---|
| BA | 406m S   | Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd | WEX068359          | Disposing of waste exemption | On a farm                   | Deposit of waste from dredging of inland waters   |
| BA | 406m S   | Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd | WEX068359          | Storing waste exemption      | On a farm                   | Storage of waste in secure containers   |
| BA | 406m S   | Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd | WEX068359          | Treating waste exemption     | On a farm                   | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| BA | 406m S   | Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd | WEX068359          | Using waste exemption        | On a farm                   | Use of waste in construction  |
| BA | 406m S   | Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd | WEX068359          | Disposing of waste exemption | On a farm                   | Burning waste in the open   |
| BA | 406m S   | Bdf Ltd, Sprig Lane, Hempnall, Nr152ny                    | WEX041035          | Disposing of waste exemption | On a farm                   | Burning waste in the open   |
| BA | 406m S   | Spring Lane Farm Spring Lane Bungay Suffolk Nr35 2bd      | EPR/NE5184N U/A001 | Disposing of waste exemption | Agricultural waste only     | Burning waste in the open   |
| 30 | 407m W   | Ormonde Ipswich Road Norwich Norfolk Nr15 1ns             | EPR/GF0506K D/A001 | Using waste exemption        | Non-agricultural waste only | Use of waste in construction  |
| BB | 415m E   | -   | WEX291382          | Storing waste exemption      | On a farm                   | Storage of sludge   |
| BC | 416m W   | Manor Farm The Street Norwich Nr15 2ad                    | EPR/AH0979S Q/A001 | Disposing of waste exemption | Agricultural waste only     | Burning waste in the open   |
| BC | 416m W   | Manor Farm The Street Norwich Nr15 2ad                    | EPR/AH0879S Y/A001 | Disposing of waste exemption | Agricultural waste only     | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| BC | 416m W   | Manor Farm The Street Norwich Nr15 2ad                    | EPR/AH0879S Y/A001 | Disposing of waste exemption | Agricultural waste only     | Burning waste in the open   |
| BC | 416m W   | Manor Farm The Street Norwich Nr15 2ad                    | EPR/AH0879S Y/A001 | Treating waste exemption     | Agricultural waste only     | Recovery of scrap metal   |
| BC | 416m W   | Manor Farm The Street Norwich Nr15 2ad                    | EPR/AH0879S Y/A001 | Using waste exemption        | Agricultural waste only     | Spreading waste on agricultural land to confer benefit  |



| ID | Location | Site                                      | Reference             | Category                           | Sub-Category               | Description   |
|----|----------|---|-----------------------|------------------------------------|----------------------------|---|
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Use of mulch  |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0979S<br>Q/A001 | Treating waste<br>exemption        | Agricultural<br>waste only | Treatment of waste in a<br>biobed or biofilter                    |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0979S<br>Q/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Spreading waste on<br>agricultural land to confer<br>benefit      |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only | Deposit of waste from<br>dredging of inland waters                |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Storing waste<br>exemption         | Agricultural<br>waste only | Storage of waste in secure<br>containers                          |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Storing waste<br>exemption         | Agricultural<br>waste only | Storage of waste in a secure<br>place                             |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Treating waste<br>exemption        | Agricultural<br>waste only | Cleaning, washing, spraying<br>or coating relevant waste          |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Treating waste<br>exemption        | Agricultural<br>waste only | Preparatory treatments<br>(baling, sorting, shredding<br>etc)     |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Use of waste in construction                                      |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Spreading waste on non-<br>agricultural land to confer<br>benefit |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Spreading of plant matter to<br>confer benefit                    |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0879S<br>Y/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Incorporation of ash into soil                                    |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0979S<br>Q/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only | Deposit of waste from<br>dredging of inland waters                |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0979S<br>Q/A001 | Storing waste<br>exemption         | Agricultural<br>waste only | Storage of waste in secure<br>containers                          |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0979S<br>Q/A001 | Storing waste<br>exemption         | Agricultural<br>waste only | Storage of waste in a secure<br>place                             |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad | EPR/AH0979S<br>Q/A001 | Treating waste<br>exemption        | Agricultural<br>waste only | Cleaning, washing, spraying<br>or coating relevant waste          |



| ID | Location | Site  | Reference             | Category                           | Sub-Category               | Description  |
|----|----------|---|-----------------------|------------------------------------|----------------------------|--|
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad                 | EPR/AH0979S<br>Q/A001 | Treating waste<br>exemption        | Agricultural<br>waste only | Preparatory treatments<br>(baling, sorting, shredding<br>etc)                              |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad                 | EPR/AH0979S<br>Q/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Use of waste in construction   |
| BC | 416m W   | Manor Farm The Street<br>Norwich Nr15 2ad                 | EPR/AH0979S<br>Q/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Spreading of plant matter to<br>confer benefit   |
| BB | 417m E   | -   | WEX260425             | Storing waste<br>exemption         | On a farm                  | Storage of sludge  |
| 31 | 431m NE  | -   | WEX314040             | Using waste<br>exemption           | On a farm                  | Use of waste in construction   |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Disposing of<br>waste<br>exemption | On a farm                  | Burning waste in the open  |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Disposing of<br>waste<br>exemption | On a farm                  | Deposit of agricultural waste<br>consisting of plant tissue<br>under a Plant Health notice |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Treating waste<br>exemption        | On a farm                  | Treatment of waste in a<br>biobed or biofilter   |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Treating waste<br>exemption        | On a farm                  | Recovery of scrap metal  |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Using waste<br>exemption           | On a farm                  | Use of mulch   |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Using waste<br>exemption           | On a farm                  | Spreading waste on<br>agricultural land to confer<br>benefit                               |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Disposing of<br>waste<br>exemption | On a farm                  | Deposit of waste from<br>dredging of inland waters   |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Treating waste<br>exemption        | On a farm                  | Preparatory treatments<br>(baling, sorting, shredding<br>etc)                              |
| BD | 443m W   | Manor Farm, The Street,<br>Hempnall, Norwich, Nr15<br>2ad | WEX308034             | Treating waste<br>exemption        | On a farm                  | Cleaning, washing, spraying<br>or coating relevant waste                                   |





| ID | Location | Site  | Reference | Category                     | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------|--------------|--|
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX308034 | Using waste exemption        | On a farm    | Pig and poultry ash  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX308034 | Using waste exemption        | On a farm    | Incorporation of ash into soil                             |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX308034 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit                |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX308034 | Using waste exemption        | On a farm    | Spreading waste on non-agricultural land to confer benefit |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX308034 | Using waste exemption        | On a farm    | Use of waste in construction                               |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX308034 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                         |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX308034 | Storing waste exemption      | On a farm    | Storage of waste in secure containers                      |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Using waste exemption        | On a farm    | Pig and poultry ash  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Treating waste exemption     | On a farm    | Preparatory treatments (baling, sorting, shredding etc)    |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters            |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Using waste exemption        | On a farm    | Spreading waste on non-agricultural land to confer benefit |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Using waste exemption        | On a farm    | Use of waste in construction                               |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Using waste exemption        | On a farm    | Incorporation of ash into soil                             |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------|--------------|--|
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Storing waste exemption      | On a farm    | Storage of waste in a secure place   |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste                                |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Storing waste exemption      | On a farm    | Storage of waste in secure containers  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Disposing of waste exemption | On a farm    | Burning waste in the open  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Treating waste exemption     | On a farm    | Treatment of waste in a biobed or biofilter  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Treating waste exemption     | On a farm    | Recovery of scrap metal  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit                               |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Using waste exemption        | On a farm    | Use of mulch   |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Using waste exemption        | On a farm    | Pig and poultry ash  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters                                      |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Storing waste exemption      | On a farm    | Storage of waste in secure containers  |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------|--------------|--|
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Storing waste exemption      | On a farm    | Storage of waste in a secure place   |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste                                |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Treating waste exemption     | On a farm    | Preparatory treatments (baling, sorting, shredding etc)                              |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Using waste exemption        | On a farm    | Use of waste in construction   |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Using waste exemption        | On a farm    | Spreading waste on non-agricultural land to confer benefit                           |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX013005 | Using waste exemption        | On a farm    | Incorporation of ash into soil   |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Using waste exemption        | On a farm    | Use of mulch   |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit                               |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Treating waste exemption     | On a farm    | Treatment of waste in a biobed or biofilter  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Treating waste exemption     | On a farm    | Recovery of scrap metal  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Disposing of waste exemption | On a farm    | Burning waste in the open  |
| BD | 443m W   | Manor Farm, The Street, Hempnall, Norwich, Nr15 2ad | WEX177421 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |



| ID | Location | Site   | Reference          | Category                     | Sub-Category            | Description   |
|----|----------|--|--------------------|------------------------------|-------------------------|---|
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Disposing of waste exemption | Agricultural waste only | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Disposing of waste exemption | Agricultural waste only | Disposal by incineration  |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open   |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Treating waste exemption     | Agricultural waste only | Recovery of scrap metal   |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit  |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters   |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Storing waste exemption      | Agricultural waste only | Storage of waste in secure containers   |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Storing waste exemption      | Agricultural waste only | Storage of waste in a secure place  |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Treating waste exemption     | Agricultural waste only | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Using waste exemption        | Agricultural waste only | Use of waste in construction  |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Using waste exemption        | Agricultural waste only | Burning of waste as a fuel in a small appliance   |
| BE | 443m SE  | Woodton Farm Hempnall Road Bungay Suffolk Nr35 2ng | EPR/NF0036FE /A001 | Using waste exemption        | Agricultural waste only | Use of waste for a specified purpose  |
| BD | 480m W   | -  | WEX271668          | Using waste exemption        | Not on a farm           | Use of waste in construction  |
| BF | 480m W   | -  | WEX331939          | Storing waste exemption      | On a farm               | Storage of waste in secure containers   |



| ID | Location | Site                             | Reference          | Category                     | Sub-Category                                 | Description  |
|----|----------|----------------------------------|--------------------|------------------------------|--|--|
| BF | 480m W   | -                                | WEX331939          | Storing waste exemption      | On a farm                                    | Storage of sludge                                      |
| BG | 484m NW  | Land At Tm2363097070             | EPR/SE5047SE/A001  | Storing waste exemption      | Non-agricultural waste only                  | Storage of sludge                                      |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np | EPR/DH0475D W/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of mulch   |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np | EPR/DH0475D W/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Burning waste in the open                              |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np | EPR/DH0475D W/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Spreading waste on agricultural land to confer benefit |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np | EPR/DH0475D W/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Deposit of waste from dredging of inland waters        |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np | EPR/DH0475D W/A001 | Storing waste exemption      | Both agricultural and non-agricultural waste | Storage of waste in a secure place                     |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np | EPR/DH0475D W/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste in construction                           |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np | EPR/DH0475D W/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Spreading of plant matter to confer benefit            |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                                 | Description  |
|----|----------|--|--------------------|------------------------------|--|--|
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np                       | EPR/DH0475D W/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Incorporation of ash into soil                         |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np                       | EPR/DH0475D W/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Burning of waste as a fuel in a small appliance        |
| BH | 485m S   | 17 Alburgh Road Norwich Nr15 2np                       | EPR/DH0475D W/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste for a specified purpose                   |
| 32 | 487m E   | -  | WEX291384          | Storing waste exemption      | On a farm                                    | Storage of sludge                                      |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX305410          | Disposing of waste exemption | On a farm                                    | Deposit of waste from dredging of inland waters        |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX305410          | Using waste exemption        | On a farm                                    | Pig and poultry ash                                    |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX305410          | Using waste exemption        | On a farm                                    | Use of waste in construction                           |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX305410          | Disposing of waste exemption | On a farm                                    | Burning waste in the open                              |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX305410          | Disposing of waste exemption | On a farm                                    | Disposal by incineration                               |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX305410          | Using waste exemption        | On a farm                                    | Spreading waste on agricultural land to confer benefit |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX010358          | Disposing of waste exemption | On a farm                                    | Disposal by incineration                               |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX010358          | Disposing of waste exemption | On a farm                                    | Burning waste in the open                              |



| ID | Location | Site   | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|--|--------------------|------------------------------|-------------------------|--|
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX010358          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX172936          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX172936          | Using waste exemption        | On a farm               | Pig and poultry ash                                    |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX172936          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters        |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX010358          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters        |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX010358          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX010358          | Using waste exemption        | On a farm               | Pig and poultry ash                                    |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX172936          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX172936          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| BI | 487m E   | Bethel Farm, Norwich Road, Kirstead, Norwich, Nr15 1ef | WEX172936          | Disposing of waste exemption | On a farm               | Disposal by incineration                               |
| BI | 488m E   | Bethel Farm Norwich Road Norwich Nr15 1ef              | EPR/BH0070S C/A001 | Disposing of waste exemption | Agricultural waste only | Disposal by incineration                               |
| BI | 488m E   | Bethel Farm Norwich Road Norwich Nr15 1ef              | EPR/BH0070S C/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| BI | 488m E   | Bethel Farm Norwich Road Norwich Nr15 1ef              | EPR/BH0070S C/A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                | Description  |
|----|----------|--|--------------------|------------------------------|-----------------------------|--|
| BI | 488m E   | Bethel Farm Norwich Road Norwich Nr15 1ef              | EPR/BH0070S C/A001 | Disposing of waste exemption | Agricultural waste only     | Deposit of waste from dredging of inland waters                                      |
| BI | 488m E   | Bethel Farm Norwich Road Norwich Nr15 1ef              | EPR/BH0070S C/A001 | Using waste exemption        | Agricultural waste only     | Use of waste in construction   |
| BI | 488m E   | Bethel Farm Norwich Road Norwich Nr15 1ef              | EPR/BH0070S C/A001 | Using waste exemption        | Agricultural waste only     | Pig and poultry ash  |
| BG | 490m NW  | Land At Tm23629708                                     | EPR/HE5349X R/A001 | Storing waste exemption      | Non-agricultural waste only | Storage of sludge  |
| BG | 494m NW  | -  | WEX138869          | Storing waste exemption      | On a farm                   | Storage of sludge  |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX341968          | Treating waste exemption     | On a farm                   | Recovery of scrap metal  |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX341968          | Disposing of waste exemption | On a farm                   | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX341968          | Disposing of waste exemption | On a farm                   | Disposal by incineration   |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX341968          | Disposing of waste exemption | On a farm                   | Burning waste in the open  |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX341968          | Disposing of waste exemption | On a farm                   | Deposit of waste from dredging of inland waters                                      |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX214711          | Disposing of waste exemption | On a farm                   | Deposit of waste from dredging of inland waters                                      |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX068698          | Disposing of waste exemption | On a farm                   | Deposit of waste from dredging of inland waters                                      |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX068698          | Disposing of waste exemption | On a farm                   | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX068698          | Disposing of waste exemption | On a farm                   | Disposal by incineration   |



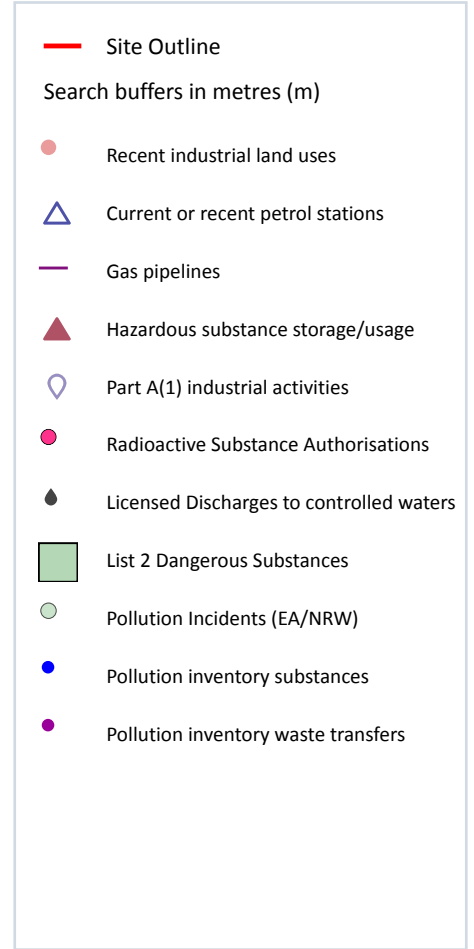
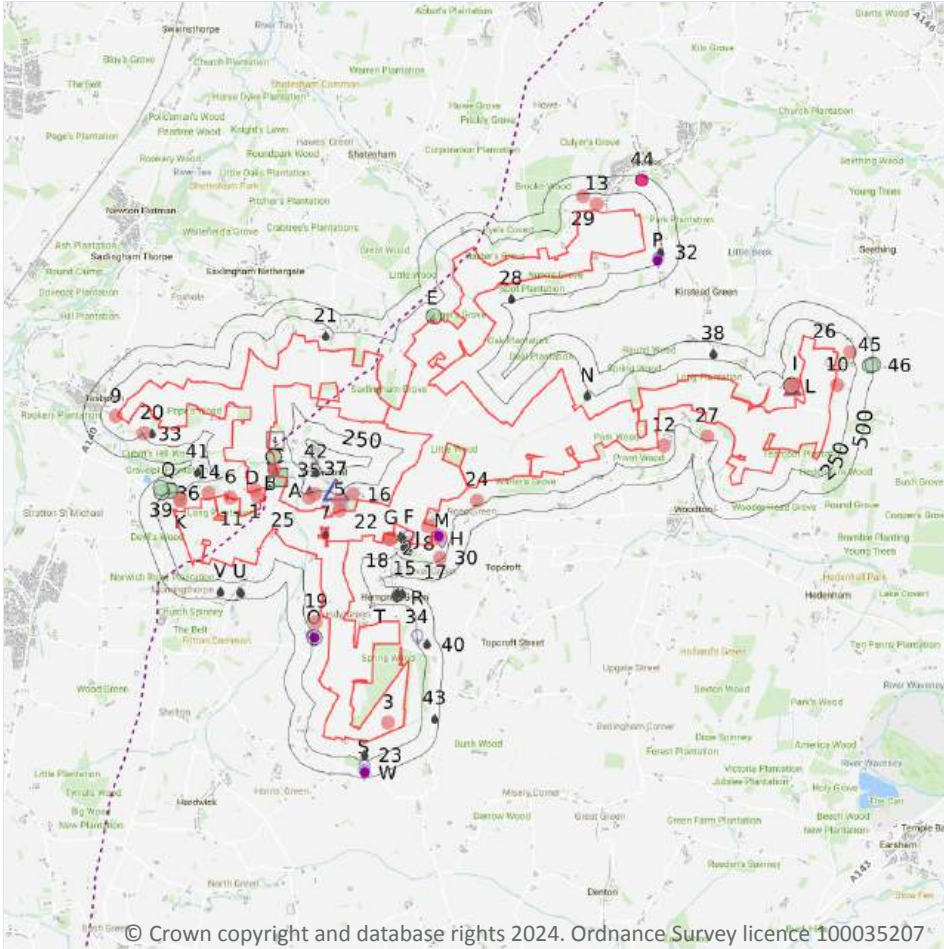


| ID | Location | Site   | Reference | Category                     | Sub-Category | Description  |
|----|----------|--|-----------|------------------------------|--------------|--|
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX068698 | Disposing of waste exemption | On a farm    | Burning waste in the open  |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX068698 | Treating waste exemption     | On a farm    | Recovery of scrap metal  |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX214711 | Treating waste exemption     | On a farm    | Recovery of scrap metal  |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX214711 | Disposing of waste exemption | On a farm    | Burning waste in the open  |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX214711 | Disposing of waste exemption | On a farm    | Disposal by incineration   |
| BJ | 496m SE  | Woodton Farm, Hempnall Road, Woodton, Bungay, Nr35 2ng | WEX214711 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4 Current industrial land use



### 4.1 Recent industrial land uses

Records within 250m

33

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 99](#) >

| ID | Location | Company         | Address       | Activity                                | Category            |
|----|----------|-----------------|---------------|---|---------------------|
| 1  | On site  | Pumping Station | Norfolk, NR15 | Water Pumping Stations                  | Industrial Features |
| 2  | On site  | Poultry Houses  | Norfolk, NR15 | Poultry Farming, Equipment and Supplies | Farming             |

| ID | Location | Company                           | Address  | Activity                                | Category                      |
|----|----------|-----------------------------------|--|---|-------------------------------|
| 3  | On site  | Hardwick Airfield (Dis)           | Norfolk, NR35  | Airports and Landing Strips             | Air                           |
| A  | On site  | Sewage Works                      | Norfolk, NR15  | Waste Storage, Processing and Disposal  | Infrastructure and Facilities |
| 5  | 10m SW   | Electricity Sub Station           | Norfolk, NR15  | Electrical Features                     | Infrastructure and Facilities |
| 6  | 10m W    | L R S Anglia Ltd                  | The Grove, Hempnall Road, Fritton, Norwich, Norfolk, NR15 2LN  | Vehicle Parts and Accessories           | Motoring                      |
| 9  | 33m W    | Pumping Station                   | Norfolk, NR15  | Water Pumping Stations                  | Industrial Features           |
| 10 | 40m E    | Silo                              | Norfolk, NR15  | Hoppers and Silos                       | Farming                       |
| G  | 47m SW   | Take My Scrap Car                 | Villa Farm, Alburgh Road, Hempnall, Norfolk, NR15 2NP          | Scrap Metal Merchants                   | Recycling Services            |
| G  | 47m SW   | Evergreen Insulation Services Ltd | Villa Farm, Alburgh Road, Hempnall, Norfolk, NR15 2NP          | Construction Completion Services        | Construction Services         |
| G  | 47m SW   | All Parts Motor Salvage           | Villa Farm, Alburgh Road, Hempnall, Norfolk, NR15 2NP          | Scrap Metal Merchants                   | Recycling Services            |
| H  | 55m S    | Silo                              | Norfolk, NR15  | Hoppers and Silos                       | Farming                       |
| 11 | 56m W    | Solar Panels                      | Norfolk, NR15  | Energy Production                       | Industrial Features           |
| G  | 73m SW   | Harvey Lane Garage                | Alburgh Road, Hempnall, Norwich, Norfolk, NR15 2NP             | Vehicle Repair, Testing and Servicing   | Repair and Servicing          |
| 12 | 82m E    | Solar Panels                      | Norfolk, NR35  | Energy Production                       | Industrial Features           |
| I  | 84m E    | Fendercare Ltd                    | Enterprise House, Harveys Lane, Seething, Norfolk, NR15 1EN    | Marine Engineers and Services           | Engineering Services          |
| 13 | 88m NE   | Pumping Station                   | Norfolk, NR15  | Water Pumping Stations                  | Industrial Features           |
| 14 | 91m W    | Solar Panels                      | Norfolk, NR15  | Energy Production                       | Industrial Features           |
| H  | 106m S   | Poultry Houses                    | Norfolk, NR15  | Poultry Farming, Equipment and Supplies | Farming                       |
| 16 | 112m SW  | Cunninghams Auto                  | The Old Village Hall, Bungay Road, Hempnall, Norfolk, NR15 2NG | Vehicle Repair, Testing and Servicing   | Repair and Servicing          |



| ID | Location | Company                          | Address  | Activity                               | Category                      |
|----|----------|----------------------------------|--|--|-------------------------------|
| K  | 125m W   | Baker & Burrage Bespoke Kitchens | Unit 1 Old Hall Farm, Hempnall Road, Morningthorpe, Norfolk, NR15 2LJ  | General Construction Supplies          | Industrial Products           |
| 19 | 126m SW  | James Rodger & Son Ltd           | Lundy Green Farm, Lundy Green, Hempnall, Norfolk, NR15 2NX             | Agricultural Contractors               | Contract Services             |
| K  | 139m W   | D Pointer S C S Ltd              | Unit 2 Old Hall Farm, Hempnall Road, Morningthorpe, Norfolk, NR15 2LJ  | Industrial Engineers                   | Engineering Services          |
| 22 | 149m SW  | Luke Parfitt Cars                | 15, Roland Drive, Hempnall, Norfolk, NR15 2RB                          | Scrap Metal Merchants                  | Recycling Services            |
| L  | 155m E   | David Yarham Salvage Ltd         | Crofton Works, Harveys Lane, Seething, Norfolk, NR15 1EN               | Scrap Metal Merchants                  | Recycling Services            |
| 24 | 180m SE  | Sureform Products Ltd            | The Old Dairy Road Green Farm, Road Green, Hempnall, Norfolk, NR15 2NH | Glass Fibre Services                   | Industrial Products           |
| 25 | 183m W   | Electricity Sub Station          | Norfolk, NR15  | Electrical Features                    | Infrastructure and Facilities |
| 26 | 185m E   | A R H Groundworks                | Home Farm, Uppgate Road, Seething, Norfolk, NR15 1EL                   | Cutting, Drilling and Welding Services | Construction Services         |
| 27 | 193m E   | Norfolk Liquid Feeds Ltd         | Woodton Barn, Norwich Road, Woodton, Norfolk, NR35 2LU                 | Animal Feeds, Pet Foods, Hay and Straw | Foodstuffs                    |
| 29 | 208m NE  | Paul Utting Commercial s         | Wood Farm, High Green, Brooke, Norfolk, NR15 1JE                       | Vehicle Repair, Testing and Servicing  | Repair and Servicing          |
| 30 | 209m S   | C G Moore & Sons                 | Silver Green Farm, Silver Green, Hempnall, Norfolk, NR15 2NJ           | Livestock Farming                      | Farming                       |
| 31 | 212m W   | Pump                             | Norfolk, NR15  | Water Pumping Stations                 | Industrial Features           |
| 33 | 237m W   | Mast                             | Norfolk, NR15  | Telecommunications Features            | Infrastructure and Facilities |

*This data is sourced from Ordnance Survey.*



## 4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 99](#) >

| ID | Location | Company             | Address  | LPG | Status |
|----|----------|---------------------|--|-----|--------|
| 37 | 308m W   | BROADLAN<br>D FUELS | Mill Road, The Street, Hempnall, Norwich,<br>Norfolk, NR15 2LP | No  | Open   |

*This data is sourced from Experian.*

## 4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

Records within 500m

1

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on [page 99](#) >

| ID | Location | Pipe Name                         | Details  |   |
|----|----------|-----------------------------------|--|---|
| 4  | On site  | YELVERTON<br>TO<br>STOWMARKE<br>T | Pipe Number: -<br>Pipeline Safety Regulations Number: -<br>Ownership: National Grid<br>Maximum Operating Pressure (Bar): - | Pipeline Diameter (mm): 900<br>Wall Thickness (mm): -<br>Year of commission: Not specified<br>Abandonment Status: Not abandoned |

*This data is sourced from National Grid.*

## 4.5 Sites determined as Contaminated Land

Records within 500m

0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*



## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

Records within 500m

3

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 99 >](#)

| ID | Location | Details   |  |
|----|----------|---|--|
| L  | 141m E   | Application reference number: 1992/1332<br>Application status: Historical Consent<br>Application date: 24/09/1992<br>Address: Firman Coates & Sons Ltd, Sandy Lane, Diss, Norfolk, IP22 4HY                                   | Details: Storage Of Hazardous Substances<br>Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified   |
| L  | 141m E   | Application reference number: 1992/1332<br>Application status: Approved<br>Application date: 24/09/1992<br>Address: Frontier Agriculture Ltd, Sandy Lane, Diss, Norfolk, England, IP22 4HY                                    | Details: Storage Of Hazardous Substances<br>Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified   |
| L  | 141m E   | Application reference number: 1998/1198<br>Application status: Approved<br>Application date: 07/08/1998<br>Address: Gas Power Services Ltd, Askews Haulage Depot, Harveys Lane, Seething, NORWICH, Norfolk, England, NR15 1EN | Details: Storage Of 100 Tonnes Of Liquid Petroleum Gas - Application For Hazardous Substances Consent - Link To Planning Application 98/0719<br>Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified |

*This data is sourced from Local Authority records.*



## 4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

32

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 99 >](#)

| ID | Location | Details  |  |
|----|----------|--|--|
| F  | 46m SW   | Operator: Mr David Buck<br>Installation Name: Firs Field Farm Duck Unit - EPR/UP3231MJ<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: UP3231MJ<br>Original Permit Number: UP3231MJ            | EPR Reference: EPR/UP3231MJ<br>Issue Date: 26/01/2021<br>Effective Date: 26/01/2021<br>Last date noted as effective: 06/08/2024<br>Status: Effective |
| F  | 46m SW   | Operator: Buck<br>Installation Name: Firs Field Farm Duck Unit - EPR/UP3231MJ<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: MP3406SG<br>Original Permit Number: UP3231MJ                     | EPR Reference: -<br>Issue Date: 26/01/2021<br>Effective Date: 26/01/2021<br>Last date noted as effective: 21/03/2023<br>Status: Effective            |
| H  | 72m S    | Operator: E C Drummond (Agriculture) Ltd<br>Installation Name: Hempnall Poultry Farm EPR/RP3531AZ<br>Process: ASSOCIATED PROCESS<br>Permit Number: WP3036JL<br>Original Permit Number: RP3531AZ                  | EPR Reference: -<br>Issue Date: 16/07/2018<br>Effective Date: 16/07/2018<br>Last date noted as effective: 21/03/2023<br>Status: Effective            |
| H  | 72m S    | Operator: E C Drummond (Agriculture) Ltd<br>Installation Name: Hempnall Poultry Farm EPR/RP3531AZ<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: WP3036JL<br>Original Permit Number: RP3531AZ | EPR Reference: -<br>Issue Date: 16/07/2018<br>Effective Date: 16/07/2018<br>Last date noted as effective: 21/03/2023<br>Status: Effective            |



| ID | Location | Details   |   |
|----|----------|---|---|
| H  | 72m S    | Operator: E C Drummond (Agriculture) Ltd<br>Installation Name: Hempnall Poultry Farm<br>EPR/RP3531AZ<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: WP3036JL<br>Original Permit Number: RP3531AZ | EPR Reference: -<br>Issue Date: 16/07/2018<br>Effective Date: 16/07/2018<br>Last date noted as effective: 21/03/2023<br>Status: Effective             |
| M  | 150m S   | Operator: E C DRUMMOND (AGRICULTURE) LTD<br>Installation Name: Hempnall Poultry Farm<br>EPR/RP3531AZ<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: RP3531AZ<br>Original Permit Number: RP3531AZ | EPR Reference: EPR/RP3531AZ<br>Issue Date: 16/07/2018<br>Effective Date: 16/07/2018<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| M  | 150m S   | Operator: E C DRUMMOND (AGRICULTURE) LTD<br>Installation Name: Hempnall Poultry Farm<br>EPR/RP3531AZ<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: RP3531AZ<br>Original Permit Number: RP3531AZ | EPR Reference: EPR/RP3531AZ<br>Issue Date: 16/07/2018<br>Effective Date: 16/07/2018<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| M  | 150m S   | Operator: MOY PARK LIMITED<br>Installation Name: Hempnall Poultry Farm<br>EPR/GP3034MH<br>Process: ASSOCIATED PROCESS<br>Permit Number: GP3034MH<br>Original Permit Number: GP3034MH                                | EPR Reference: EPR/GP3034MH<br>Issue Date: 01/09/2010<br>Effective Date: 01/09/2010<br>Last date noted as effective: 06/08/2024<br>Status: Superseded |
| M  | 150m S   | Operator: E C DRUMMOND (AGRICULTURE) LTD<br>Installation Name: Hempnall Poultry Farm<br>EPR/RP3531AZ<br>Process: ASSOCIATED PROCESS<br>Permit Number: RP3531AZ<br>Original Permit Number: RP3531AZ                  | EPR Reference: EPR/RP3531AZ<br>Issue Date: 16/07/2018<br>Effective Date: 16/07/2018<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| M  | 150m S   | Operator: MOY PARK LIMITED<br>Installation Name: Hempnall Poultry Farm<br>EPR/GP3034MH<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: GP3034MH<br>Original Permit Number: GP3034MH               | EPR Reference: EPR/GP3034MH<br>Issue Date: 01/09/2010<br>Effective Date: 01/09/2010<br>Last date noted as effective: 06/08/2024<br>Status: Superseded |
| M  | 150m S   | Operator: Moy Park Ltd.<br>Installation Name: Hempnall Poultry Farm<br>EPR/GP3034MH<br>Process: ASSOCIATED PROCESS<br>Permit Number: EP3930HZ<br>Original Permit Number: GP3034MH                                   | EPR Reference: -<br>Issue Date: 01/09/2010<br>Effective Date: 01/09/2010<br>Last date noted as effective: 21/03/2023<br>Status: Superceded            |





| ID | Location | Details   |   |
|----|----------|---|---|
| M  | 150m S   | Operator: Moy Park Ltd.<br>Installation Name: Hempnall Poultry Farm<br>EPR/GP3034MH<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: EP3930HZ<br>Original Permit Number: GP3034MH            | EPR Reference: -<br>Issue Date: 01/09/2010<br>Effective Date: 01/09/2010<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |
| O  | 224m SW  | Operator: CROWN CHICKEN LIMITED<br>Installation Name: Grange Farm Poultry Unit<br>EPR/ZP3631MF<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: BP3943QS<br>Original Permit Number: BP3943QS | EPR Reference: EPR/BP3943QS<br>Issue Date: 27/04/2022<br>Effective Date: 27/04/2022<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| O  | 224m SW  | Operator: PA Buck and JV Buck<br>Installation Name: Grange Farm Poultry Unit<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: JP3032CQ<br>Original Permit Number: ZP3631MF                   | EPR Reference: -<br>Issue Date: 24/07/2013<br>Effective Date: 24/07/2013<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |
| O  | 224m SW  | Operator: PA Buck and JV Buck<br>Installation Name: Grange Farm Poultry Unit<br>EPR/ZP3631MF<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: PP3734QZ<br>Original Permit Number: ZP3631MF   | EPR Reference: -<br>Issue Date: 24/06/2020<br>Effective Date: 24/06/2020<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |
| O  | 224m SW  | Operator: PA Buck and JV Buck<br>Installation Name: Grange Farm Poultry Unit<br>EPR/ZP3631MF<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: TP3635VJ<br>Original Permit Number: ZP3631MF   | EPR Reference: -<br>Issue Date: 06/05/2014<br>Effective Date: 06/05/2014<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |
| P  | 231m NE  | Operator: BROOKE FARM LIMITED<br>Installation Name: Littlebeck Poultry Farm<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: EP3330UN<br>Original Permit Number: EP3330UN                    | EPR Reference: EPR/EP3330UN<br>Issue Date: 28/09/2007<br>Effective Date: 28/09/2007<br>Last date noted as effective: 06/08/2024<br>Status: Superseded |
| P  | 231m NE  | Operator: S KELLY FARMS LIMITED<br>Installation Name: Littlebeck Poultry Farm<br>EPR/TP3431HD<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: TP3431HD<br>Original Permit Number: TP3431HD  | EPR Reference: EPR/TP3431HD<br>Issue Date: 20/10/2020<br>Effective Date: 20/10/2020<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| P  | 231m NE  | Operator: STUART DAVIS LIMITED<br>Installation Name: Littlebeck Poultry Farm<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: DP3832XX<br>Original Permit Number: DP3832XX                   | EPR Reference: EPR/DP3832XX<br>Issue Date: 13/05/2008<br>Effective Date: 13/05/2008<br>Last date noted as effective: 06/08/2024<br>Status: Superseded |



| ID | Location | Details  |   |
|----|----------|--|---|
| P  | 231m NE  | Operator: S Kelly Farms Ltd<br>Installation Name: Littlebeck Poultry Farm<br>EPR/TP3431HD<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: YP3530AA<br>Original Permit Number: TP3431HD           | EPR Reference: -<br>Issue Date: 24/11/2015<br>Effective Date: 24/11/2015<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |
| P  | 231m NE  | Operator: S Kelly Farms Ltd<br>Installation Name: Littlebeck Poultry Farm<br>EPR/TP3431HD<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: UP3536FG<br>Original Permit Number: TP3431HD           | EPR Reference: -<br>Issue Date: 09/02/2012<br>Effective Date: 09/02/2012<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |
| P  | 231m NE  | Operator: S Kelly Farms Limited<br>Installation Name: Littlebeck Poultry Farm<br>EPR/TP3431HD<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: HP3505SS<br>Original Permit Number: TP3431HD       | EPR Reference: -<br>Issue Date: 20/10/2020<br>Effective Date: 20/10/2020<br>Last date noted as effective: 21/03/2023<br>Status: Effective             |
| 34 | 246m S   | Operator: Berries Direct Farming Ltd<br>Installation Name: Spring Farm<br>Process: MCP<br>Permit Number: HP3628SC<br>Original Permit Number: HP3628SC  | EPR Reference: EPR/HP3628SC<br>Issue Date: 18/10/2023<br>Effective Date: 18/10/2023<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| O  | 255m SW  | Operator: PA BUCK AND JV BUCK<br>Installation Name: Grange Farm Poultry Unit<br>EPR/ZP3631MF<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: ZP3631MF<br>Original Permit Number: ZP3631MF        | EPR Reference: EPR/ZP3631MF<br>Issue Date: 24/06/2020<br>Effective Date: 24/06/2020<br>Last date noted as effective: 06/08/2024<br>Status: Superseded |
| S  | 354m S   | Operator: HOOK 2 SISTERS LIMITED<br>Installation Name: Hardwick Farm Poultry Unit -<br>EPR/CP3333UA<br>Process: ASSOCIATED PROCESS<br>Permit Number: CP3333UA<br>Original Permit Number: CP3333UA                  | EPR Reference: EPR/CP3333UA<br>Issue Date: 22/09/2020<br>Effective Date: 22/09/2020<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| S  | 354m S   | Operator: HOOK 2 SISTERS LIMITED<br>Installation Name: Hardwick Farm Poultry Unit -<br>EPR/CP3333UA<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: CP3333UA<br>Original Permit Number: CP3333UA | EPR Reference: EPR/CP3333UA<br>Issue Date: 22/09/2020<br>Effective Date: 22/09/2020<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| W  | 424m S   | Operator: Hook2sisters Ltd<br>Installation Name: Hardwick Farm<br>Process: ASSOCIATED PROCESS<br>Permit Number: FP3331GL<br>Original Permit Number: CP3333UA   | EPR Reference: -<br>Issue Date: 18/03/2009<br>Effective Date: 18/03/2009<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |



| ID | Location | Details   |  |
|----|----------|---|--|
| W  | 424m S   | Operator: Hook2sisters Ltd<br>Installation Name: Hardwick Farm Poultry Unit - EPR/CP3333UA<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: NP3104BU<br>Original Permit Number: CP3333UA | EPR Reference: -<br>Issue Date: 22/09/2020<br>Effective Date: 22/09/2020<br>Last date noted as effective: 21/03/2023<br>Status: Effective  |
| W  | 424m S   | Operator: Hook2sisters Ltd<br>Installation Name: Hardwick Farm - EPR/CP3333UA<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: AP3239CK<br>Original Permit Number: CP3333UA              | EPR Reference: -<br>Issue Date: 23/02/2012<br>Effective Date: 23/02/2012<br>Last date noted as effective: 21/03/2023<br>Status: Superseded |
| W  | 424m S   | Operator: Hook2sisters Ltd<br>Installation Name: Hardwick Farm<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: FP3331GL<br>Original Permit Number: CP3333UA                             | EPR Reference: -<br>Issue Date: 18/03/2009<br>Effective Date: 18/03/2009<br>Last date noted as effective: 21/03/2023<br>Status: Superseded |
| W  | 424m S   | Operator: Hook2sisters Ltd<br>Installation Name: Hardwick Farm - EPR/CP3333UA<br>Process: ASSOCIATED PROCESS<br>Permit Number: AP3239CK<br>Original Permit Number: CP3333UA                               | EPR Reference: -<br>Issue Date: 23/02/2012<br>Effective Date: 23/02/2012<br>Last date noted as effective: 21/03/2023<br>Status: Superseded |
| W  | 424m S   | Operator: Hook2sisters Ltd<br>Installation Name: Hardwick Farm Poultry Unit - EPR/CP3333UA<br>Process: ASSOCIATED PROCESS<br>Permit Number: NP3104BU<br>Original Permit Number: CP3333UA                  | EPR Reference: -<br>Issue Date: 22/09/2020<br>Effective Date: 22/09/2020<br>Last date noted as effective: 21/03/2023<br>Status: Effective  |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

*This data is sourced from Local Authority records.*



## 4.12 Radioactive Substance Authorisations

**Records within 500m**
**1**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

Features are displayed on the Current industrial land use map on [page 99 >](#)

| ID | Location | Address   | Details   |   |
|----|----------|---|---|---|
| 44 | 443m NE  | Brooke Equine Clinic,<br>Wellesley Road, Tharston,<br>Norwich, NR15 1DX | Operator: Chapelfield Veterinary Partnership Limited<br>Type: -<br>Permission number: VB3439DX<br>Date of approval: - | Effective from: 22/08/2012<br>Last date of update: 01/01/2020<br>Status: Issued |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.13 Licensed Discharges to controlled waters

**Records within 500m**
**47**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 99 >](#)

| ID | Location | Address  | Details  |   |
|----|----------|--|--|---|
| A  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: UNSPECIFIED<br>Permit Number: AW4NF571X1<br>Permit Version: 1<br>Receiving Water: Hempnall Beck River Tas NT  | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 07/03/1967<br>Effective Date: 07/03/1967<br>Revocation Date: 14/08/1992 |
| A  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 1<br>Receiving Water: Hempnall Beck River Tas NT | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 15/06/1985<br>Effective Date: 15/06/1985<br>Revocation Date: 17/09/1989 |
| A  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 2<br>Receiving Water: Hempnall Beck River Tas NT | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 18/09/1989<br>Effective Date: 18/09/1989<br>Revocation Date: 31/03/2003 |



| ID | Location | Address  | Details   |   |
|----|----------|--|---|---|
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 7<br>Receiving Water: Hempnall Beck River Tas NT               | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 31/03/2010<br>Effective Date: 31/03/2010<br>Revocation Date: 06/02/2012 |
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 4<br>Receiving Water: Hempnall Beck River Tas NT        | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 17/02/2002<br>Effective Date: 01/04/2003<br>Revocation Date: 31/12/2005 |
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 7<br>Receiving Water: Hempnall Beck River Tas NT        | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 31/03/2010<br>Effective Date: 31/03/2010<br>Revocation Date: 06/02/2012 |
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 4<br>Receiving Water: Hempnall Beck River Tas NT | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 17/02/2002<br>Effective Date: 01/04/2003<br>Revocation Date: 31/12/2005 |
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 6<br>Receiving Water: Hempnall Beck River Tas NT        | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 14/10/2008<br>Effective Date: 01/04/2009<br>Revocation Date: 30/03/2010 |
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 5<br>Receiving Water: Hempnall Beck River Tas NT        | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 17/02/2002<br>Effective Date: 01/01/2006<br>Revocation Date: 31/03/2009 |



| ID | Location | Address   | Details   |  |
|----|----------|---|---|--|
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX      | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 8<br>Receiving Water: Hempnall Beck River Tas NT          | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 07/02/2012<br>Effective Date: 07/02/2012<br>Revocation Date: 02/03/2015    |
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX      | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 5<br>Receiving Water: Hempnall Beck River Tas NT   | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 17/02/2002<br>Effective Date: 01/01/2006<br>Revocation Date: 31/03/2009    |
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX      | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 6<br>Receiving Water: Hempnall Beck River Tas NT   | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 14/10/2008<br>Effective Date: 01/04/2009<br>Revocation Date: 30/03/2010    |
| B  | On site  | HEMPNALL WATER RECYCLING CENTRE, HEMPNALL, NORFOLK, NR15 2QX      | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF1045X<br>Permit Version: 9<br>Receiving Water: HEMPNALL BECK TO RIVER TAS NT       | Status: VARIED UNDER EPR 2010<br>Issue date: 03/03/2015<br>Effective Date: 03/03/2015<br>Revocation Date: -  |
| 7  | 17m SW   | PLOT AT OLD MILL COTTAGE, FIELD LANE, HEMPNALL, NORWICH, NR15 2PB | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRUB3999AA<br>Permit Version: 1<br>Receiving Water: GROUNDWATER VIA DRAINAGE FIELD | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 04/04/2022<br>Effective Date: 04/04/2022<br>Revocation Date: -  |
| E  | 21m N    | LATH GREEN BARNS, WASH LANE, SHOTESHAM, NORFOLK, NR15 1XX         | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF10876<br>Permit Version: 1<br>Receiving Water: tributary River Tas             | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 14/03/1997<br>Effective Date: 14/03/1997<br>Revocation Date: 01/05/1997 |



| ID | Location | Address   | Details   |  |
|----|----------|---|---|--|
| 8  | 24m S    | BEEHCROFT, SILVER GREEN, HEMPNALL, NORWICH, NORFOLK, NR15 2NW                         | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRKB3399NT<br>Permit Version: 1<br>Receiving Water: TRIBUTORY OF RIVER TAS       | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 05/11/2013<br>Effective Date: 05/11/2013<br>Revocation Date: -  |
| I  | 89m E    | ENTERPRISE HOUSE, HARVEY'S LANE, SEETHING, NORFOLK, NR15 1EN                          | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF13827<br>Permit Version: 1<br>Receiving Water: TRIBUTARY OF BROOME BECK      | Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88)<br>Issue date: 02/10/2001<br>Effective Date: 28/09/2001<br>Revocation Date: 02/02/2005                  |
| 15 | 101m SW  | THE FERNS SEWAGE TREATMENT SYSTEM, SILVER GREEN, HEMPNALL, NORWICH, NORFOLK, NR15 2NW | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRVB3332AF<br>Permit Version: 1<br>Receiving Water: A TRIBUTARY OF THE RIVER TAS | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 01/07/2013<br>Effective Date: 01/07/2013<br>Revocation Date: -  |
| J  | 101m SW  | HEMPNALL SILVER GREEN, NORFOLK, NR15 2NW  | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - WATER COMPANY<br>Permit Number: PRENF2803<br>Permit Version: 2<br>Receiving Water: Trib River Tas                     | Status: SURRENDERED UNDER EPR 2010<br>Issue date: 09/01/1992<br>Effective Date: 09/01/1992<br>Revocation Date: 28/10/2016  |
| J  | 101m SW  | HEMPNALL SILVER GREEN, NORFOLK, NR15 2NW  | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF2803<br>Permit Version: 1<br>Receiving Water: Trib River Tas                 | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 30/05/1990<br>Effective Date: 30/05/1990<br>Revocation Date: 08/01/1992 |
| 17 | 114m S   | APPLE TREE FARM, SILVER GREEN, HEMPNALL, NORWICH, NORFOLK, NR15 2NW                   | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF11086<br>Permit Version: 1<br>Receiving Water: tributary River Tas           | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 10/09/1997<br>Effective Date: 10/09/1997<br>Revocation Date: -          |
| 18 | 119m SW  | 4 PROPS SILVER GREEN, HEMPNALL, NORWICH   | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PR4NF440<br>Permit Version: 1<br>Receiving Water: Trib River Tas                  | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 10/03/1986<br>Effective Date: 10/03/1986<br>Revocation Date: 24/02/1992    |



| ID | Location | Address   | Details   |  |
|----|----------|---|---|--|
| 20 | 127m W   | PREMISES ADJACENT TO LIME TREE FARM, HEMPNALL, NORWICH, NORFOLK                   | Effluent Type: UNSPECIFIED<br>Permit Number: PRELF02716<br>Permit Version: 1<br>Receiving Water: land   | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 03/05/1990<br>Effective Date: 03/05/1990<br>Revocation Date: 15/10/1998 |
| 21 | 132m NW  | ORCHARD FARM COTTAGE, SAXLINGHAM GREEN, SAXLINGHAM NETHERGATE, NOR., NR15 1TG     | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF01047<br>Permit Version: 1<br>Receiving Water: Trib River Tas        | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 05/06/1989<br>Effective Date: 05/06/1989<br>Revocation Date: 04/02/1992 |
| 23 | 164m S   | NEW BUNGALOW, HARDWICK AIRFIELD POULTRY SITE, SHELTON, NORWICH, NORFOLK, NR16 2QX | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PR4NF1635<br>Permit Version: 1<br>Receiving Water: Trib River Tas         | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 21/04/1988<br>Effective Date: 21/04/1988<br>Revocation Date: 24/02/1992    |
| N  | 170m E   | OAKS FARM BARN, SPRINGWOOD, WOODTON, BUNGAY, SUFFOLK, NR35 2NF                    | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF04195<br>Permit Version: 1<br>Receiving Water: Trib of River Waveney | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 14/03/1991<br>Effective Date: 14/03/1991<br>Revocation Date: 07/01/1992 |
| N  | 170m E   | OAKS FARM BARN, SPRINGWOOD, WOODTON, BUNGAY, SUFFOLK, NR35 2NF                    | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF04196<br>Permit Version: 1<br>Receiving Water: Trib of River Waveney | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 15/03/1991<br>Effective Date: 15/03/1991<br>Revocation Date: 07/01/1992 |
| 28 | 205m NE  | LEY FARM BARN, BAXTERS LANE, SHOTESHAM, NORWICH, NORFOLK, NR15 1XP                | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF01810<br>Permit Version: 1<br>Receiving Water: Trib Shotesham Stream | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 06/11/1989<br>Effective Date: 06/11/1989<br>Revocation Date: 09/01/1992 |
| 32 | 216m NE  | ROSEDENE LITTLE BECK LA, BROOKE, NORFOLK, NR15 1ET                                | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF08350<br>Permit Version: 1<br>Receiving Water: Trib River Chet       | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 04/02/1993<br>Effective Date: 04/02/1993<br>Revocation Date: -          |





| ID | Location | Address  | Details  |  |
|----|----------|--|--|--|
| 35 | 278m W   | MILLGATES SURGERY, MILL ROAD, HEMPNALL, NORWICH, NORFOLK, NR15 2LP                             | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRELF13910<br>Permit Version: 1<br>Receiving Water: INTO LAND          | Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88)<br>Issue date: 29/04/2002<br>Effective Date: 19/03/2002<br>Revocation Date: -                           |
| Q  | 292m W   | MORNINGTHORPE HOUSEHOLD WASTE, RECYCLING CENTRE, BUNGAY ROAD, MORNINGTHORPE, NORFOLK, NR15 2LJ | Effluent Type: TRADE DISCHARGES - SITE DRAINAGE<br>Permit Number: EPRDB3491VD<br>Permit Version: 1<br>Receiving Water: GROUNDWATER   | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 21/01/2016<br>Effective Date: 10/04/2016<br>Revocation Date: -  |
| 38 | 324m E   | ALPHA HOUSE, LODDON CORNER, KIRSTEAD, NORWICH., NORFOLK, NR15 1EE                              | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PR4NF942X<br>Permit Version: 1<br>Receiving Water: Trib River Chet     | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 22/09/1982<br>Effective Date: 22/09/1982<br>Revocation Date: 20/09/1996    |
| R  | 349m S   | ALBURGH ROAD NO.51, HEMPNALL, NORWICH, NORFOLK, NR15 2NS                                       | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF00935<br>Permit Version: 1<br>Receiving Water: Trib Hempnall Beck | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 30/05/1989<br>Effective Date: 30/05/1989<br>Revocation Date: 04/02/1992 |
| R  | 349m S   | ALBURGH ROAD NO.51, HEMPNALL, NORWICH, NORFOLK, NR15 2NS                                       | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF00999<br>Permit Version: 1<br>Receiving Water: Trib Hempnall Beck | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 30/05/1989<br>Effective Date: 30/05/1989<br>Revocation Date: 23/01/1992 |
| 40 | 366m S   | SPRING FARM, SPRING LANE, HEMPNALL, NORFOLK, NR15 2NY  | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRBP3229GC<br>Permit Version: 1<br>Receiving Water: UNNAMED DITCH     | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 27/03/2013<br>Effective Date: 27/03/2013<br>Revocation Date: -  |
| T  | 380m S   | RICKWOOD, SILVER GREEN, HEMPNALL, NORWICH, NORFOLK, NR15 2NN                                   | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF00404<br>Permit Version: 1<br>Receiving Water: Trib River Tas     | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 11/01/1989<br>Effective Date: 11/01/1989<br>Revocation Date: 05/02/1992 |



| ID | Location | Address   | Details   |  |
|----|----------|---|---|--|
| 41 | 384m W   | MORNINGTHORPE QUARRY,<br>NORFOLK                                    | Effluent Type: TRADE DISCHARGES - UNSPECIFIED<br>Permit Number: PRENF00338<br>Permit Version: 1<br>Receiving Water: Hempnell Beck   | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 16/12/1988<br>Effective Date: 16/12/1988<br>Revocation Date: 21/02/1992    |
| U  | 388m SW  | FERN COTTAGE, THE STREET,<br>FRITTON, NORWICH, NORFOLK,<br>NR15 2QT | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRZB3590WR<br>Permit Version: 2<br>Receiving Water: GROUNDWATER VIA INFILTRATION | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 05/10/2023<br>Effective Date: 05/10/2023<br>Revocation Date: -  |
| R  | 392m S   | 43 ALBURGH ROAD, HEMPNALL,<br>NORFOLK, NR15 2NS                     | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRVB3090AG<br>Permit Version: 1<br>Receiving Water: GROUNDWATER                  | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 11/01/2022<br>Effective Date: 11/01/2022<br>Revocation Date: -  |
| U  | 401m SW  | FERN COTTAGE, THE STREET,<br>FRITTON, NORWICH, NORFOLK,<br>NR15 2QT | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRZB3590WR<br>Permit Version: 1<br>Receiving Water: GROUNDWATER VIA INFILTRATION | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 27/10/2022<br>Effective Date: 27/10/2022<br>Revocation Date: 04/10/2023   |
| V  | 405m SW  | FRITTON SCHOOL LANE STW,<br>FRITTON, NORWICH, NORFOLK,<br>NR15 2QN  | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF15020<br>Permit Version: 1<br>Receiving Water: TRIB RIVER TAS                | Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995)<br>Issue date: 26/06/2002<br>Effective Date: 26/06/2002<br>Revocation Date: 23/08/2006   |
| V  | 405m SW  | FRITTON SCHOOL LANE STW,<br>FRITTON, NORWICH, NORFOLK,<br>NR15 2QN  | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF15020<br>Permit Version: 2<br>Receiving Water: TRIB RIVER TAS                | Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995)<br>Issue date: 23/08/2006<br>Effective Date: 23/08/2006<br>Revocation Date: 21/10/2007   |
| T  | 412m S   | HEATHER LODGE, SILVER GREEN,<br>HEMPNALL, NORFOLK, NR15 2NW         | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF00461<br>Permit Version: 2<br>Receiving Water: Trib Hempnall Beck            | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 27/01/1992<br>Effective Date: 27/01/1992<br>Revocation Date: 18/03/1992 |



| ID | Location | Address   | Details  |  |
|----|----------|---|--|--|
| T  | 412m S   | HEATHER LODGE, SILVER GREEN, HEMPNALL, NORFOLK, NR15 2NW                                      | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF00461<br>Permit Version: 1<br>Receiving Water: Trib Hempnell Beck   | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 02/02/1989<br>Effective Date: 02/02/1989<br>Revocation Date: 26/01/1992 |
| R  | 419m S   | ASHPRINGTON, SILVER GREEN, HEMPNALL, NORWICH., NORFOLK, NR15 2NN                              | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF00474<br>Permit Version: 1<br>Receiving Water: Trib Hempnall Beck   | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 02/02/1989<br>Effective Date: 02/02/1989<br>Revocation Date: 26/01/1992 |
| 42 | 429m W   | THE MEADOW PS, HEMPNALL   | Effluent Type: MISCELLANEOUS<br>DISCHARGES - EMERGENCY<br>DISCHARGES<br>Permit Number: AEENF2662<br>Permit Version: 1<br>Receiving Water: R Tas                                | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 02/01/1990<br>Effective Date: 02/01/1990<br>Revocation Date: 30/04/1992 |
| 43 | 432m S   | BARONDOLE LANE, ROADTECHS EUROPE LIMITED, BARONDOLE LANE, TOPCORFT, BUNGAY, NORFOLK, NR35 2BE | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRFP3723XG<br>Permit Version: 1<br>Receiving Water: TRIB OF BROOME BECK | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 12/11/2010<br>Effective Date: 12/11/2010<br>Revocation Date: -  |

This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.



## 4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.17 List 2 Dangerous Substances

Records within 500m

2

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 99 >](#)

| ID | Location | Name                         | Status     | Receiving Water | Authorised Substances |
|----|----------|------------------------------|------------|-----------------|-----------------------|
| C  | On site  | K K Hand Car Wash & Valeters | Not Active | Na              | pH                    |
| C  | On site  | Hempnall Stw                 | Not Active | -               | -                     |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

14

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 99 >](#)

| ID | Location | Details   |   |
|----|----------|---|---|
| D  | On site  | Incident Date: 05/04/2002<br>Incident Identification: 69328<br>Pollutant: Atmospheric Pollutants and<br>Effects: Contaminated Water<br>Pollutant Description: Smoke: Firefighting Run-Off | Water Impact: Category 3 (Minor)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor) |
| D  | On site  | Incident Date: 05/04/2002<br>Incident Identification: 69328<br>Pollutant: Contaminated Water<br>Pollutant Description: Firefighting Run-Off   | Water Impact: Category 3 (Minor)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor) |



| ID | Location | Details   |  |
|----|----------|---|--|
| D  | On site  | <b>Incident Date: 05/04/2002</b><br><b>Incident Identification: 69328</b><br><b>Pollutant: Atmospheric Pollutants and Effects</b><br><b>Pollutant Description: Smoke</b>    | <b>Water Impact: Category 3 (Minor)</b><br><b>Land Impact: Category 3 (Minor)</b><br><b>Air Impact: Category 3 (Minor)</b> |
| E  | 59m N    | Incident Date: 06/11/2001<br>Incident Identification: 41347<br>Pollutant: Pollutant Not Identified<br>Pollutant Description: Not Identified                                 | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)              |
| L  | 151m E   | Incident Date: 10/04/2016<br>Incident Identification: 1426227<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Smoke                              | Water Impact: Category 3 (Minor)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 2 (Significant)                |
| L  | 151m E   | Incident Date: 10/04/2016<br>Incident Identification: 1426227<br>Pollutant: Contaminated Water<br>Pollutant Description: Firefighting Run-Off                               | Water Impact: Category 3 (Minor)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 2 (Significant)                |
| L  | 151m E   | Incident Date: 10/04/2016<br>Incident Identification: 1426227<br>Pollutant: Other Pollutant<br>Pollutant Description: Other   | Water Impact: Category 3 (Minor)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 2 (Significant)                |
| O  | 218m SW  | Incident Date: 16/03/2003<br>Incident Identification: 143429<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Slurry and Dilute Slurry             | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)          |
| Q  | 274m W   | Incident Date: 23/09/2003<br>Incident Identification: 191841<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Tyres   | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)          |
| Q  | 279m W   | Incident Date: 23/06/2003<br>Incident Identification: 169053<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Other Agricultural Material or Waste | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact)              |
| 36 | 298m W   | Incident Date: 01/10/2003<br>Incident Identification: 193589<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Tyres   | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact)              |
| 39 | 363m W   | Incident Date: 10/01/2003<br>Incident Identification: 130203<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Tyres   | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact)              |



| ID | Location | Details   |   |
|----|----------|---|---|
| 45 | 448m E   | Incident Date: 26/02/2003<br>Incident Identification: 139673<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Slurry and Dilute Slurry | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| 46 | 499m E   | Incident Date: 26/11/2002<br>Incident Identification: 127800<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Solid Manure             | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |

This data is sourced from the Environment Agency and Natural Resources Wales.

## 4.19 Pollution inventory substances

Records within 500m

10

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 99 >](#)

ID: H, Location: 72m S, Permit: RP3531AZ  
 Operator: E C Drummond (Agriculture) Ltd  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Hempnall Poultry Farm Road Green Hempnall Norfolk NR15 2NH  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance     | Reporting threshold (kg) | Quantity (kg)             |
|-------|---------------|--------------------------|---------------------------|
| Air   | Nitrous oxide | 10000kg                  | Below Reporting Threshold |

ID: H, Location: 72m S, Permit: RP3531AZ  
 Operator: E C Drummond (Agriculture) Ltd  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Hempnall Poultry Farm Road Green Hempnall Norfolk NR15 2NH  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance | Reporting threshold (kg) | Quantity (kg) |
|-------|-----------|--------------------------|---------------|
| Air   | Ammonia   | 1000kg                   | 1527kg        |



ID: O, Location: 224m SW, Permit: BP3943QS  
 Operator: Crown Chicken Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Grange Farm Poultry Unit, Grange Farm Lundy Green NR15 2NX  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance                           | Reporting threshold (kg) | Quantity (kg)             |
|-------|-------------------------------------|--------------------------|---------------------------|
| Air   | Methane                             | 10000kg                  | Below Reporting Threshold |
| Air   | Nitrogen oxides (NO and NO2) as NO2 | 100000kg                 | Below Reporting Threshold |

ID: O, Location: 224m SW, Permit: BP3943QS  
 Operator: Crown Chicken Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Grange Farm Poultry Unit, Grange Farm Lundy Green NR15 2NX  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance | Reporting threshold (kg) | Quantity (kg) |
|-------|-----------|--------------------------|---------------|
| Air   | Ammonia   | 1000kg                   | 8212.02kg     |

ID: O, Location: 224m SW, Permit: BP3943QS  
 Operator: Crown Chicken Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Grange Farm Poultry Unit, Grange Farm Lundy Green NR15 2NX  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance                 | Reporting threshold (kg) | Quantity (kg) |
|-------|---------------------------|--------------------------|---------------|
| Air   | Particulate matter - PM10 | 1000kg                   | 8051kg        |

ID: P, Location: 231m NE, Permit: TP3431HD  
 Operator: S Kelly Farms Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Littlebeck Poultry Farm Littlebeck Lane Norfolk NR15 1ET  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:



| Route | Substance                           | Reporting threshold (kg) | Quantity (kg)             |
|-------|-------------------------------------|--------------------------|---------------------------|
| Air   | Methane                             | 10000kg                  | Below Reporting Threshold |
| Air   | Nitrogen oxides (NO and NO2) as NO2 | 100000kg                 | Below Reporting Threshold |

ID: P, Location: 231m NE, Permit: TP3431HD  
Operator: S Kelly Farms Limited  
Activity: INTENSIVE FARMING; > 40,000 POULTRY  
Address: Littlebeck Poultry Farm Littlebeck Lane Norfolk NR15 1ET  
Sector: Agriculture, Sub-sector: Intensive Farming  
Releases:

| Route | Substance | Reporting threshold (kg) | Quantity (kg) |
|-------|-----------|--------------------------|---------------|
| Air   | Ammonia   | 1000kg                   | 6250kg        |

ID: P, Location: 231m NE, Permit: TP3431HD  
Operator: S Kelly Farms Limited  
Activity: INTENSIVE FARMING; > 40,000 POULTRY  
Address: Littlebeck Poultry Farm Littlebeck Lane Norfolk NR15 1ET  
Sector: Agriculture, Sub-sector: Intensive Farming  
Releases:

| Route | Substance                 | Reporting threshold (kg) | Quantity (kg) |
|-------|---------------------------|--------------------------|---------------|
| Air   | Particulate matter - PM10 | 1000kg                   | 4166kg        |

ID: W, Location: 424m S, Permit: CP3333UA  
Operator: Hook2sisters Ltd  
Activity: INTENSIVE FARMING; > 40,000 POULTRY  
Address: Hardwick Farm Poultry Unit The Green Shelton Norfolk NR15 2SQ  
Sector: Agriculture, Sub-sector: Intensive Farming  
Releases:

| Route | Substance | Reporting threshold (kg) | Quantity (kg) |
|-------|-----------|--------------------------|---------------|
| Air   | Ammonia   | 1000kg                   | 3998kg        |





ID: W, Location: 424m S, Permit: CP3333UA  
 Operator: Hook2sisters Ltd  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Hardwick Farm Poultry Unit The Green Shelton Norfolk NR15 2SQ  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance                 | Reporting threshold (kg) | Quantity (kg) |
|-------|---------------------------|--------------------------|---------------|
| Air   | Particulate matter - PM10 | 1000kg                   | 3919kg        |

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

## 4.20 Pollution inventory waste transfers

Records within 500m

4

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 99](#) >

ID: H, Location: 72m S, Permit: RP3531AZ  
 Operator: E C Drummond (Agriculture) Ltd  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Hempnall Poultry Farm Road Green Hempnall Norfolk NR15 2NH  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Route description  | Quantity (tonnes)         | Release level             | EWC code | EWC description                                      | Hazardous waste |
|-------|--|---------------------------|---------------------------|----------|--|-----------------|
| R5    | Recycling/reclamation of other inorganic materials   | 0.015                     | Absolute Value            | 20 01 21 | fluorescent tubes and other mercury-containing waste | Yes             |
| R3    | Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes) | 6.62                      | Absolute Value            | 02 01 02 | animal-tissue waste                                  | No              |
| R4    | Recycling/reclamation of metals and metal compounds  | Below Reporting Threshold | Below Reporting Threshold | 02 01 10 | waste metal  | No              |



| Route | Route description                             | Quantity (tonnes)         | Release level             | EWC code | EWC description  | Hazardous waste |
|-------|---|---------------------------|---------------------------|----------|--|-----------------|
| D1    | Deposit into or onto land (eg landfill, etc.) | Below Reporting Threshold | Below Reporting Threshold | 15 01 01 | paper and cardboard packaging  | No              |
| D1    | Deposit into or onto land (eg landfill, etc.) | Below Reporting Threshold | Below Reporting Threshold | 15 01 02 | plastic packaging  | No              |
| D1    | Deposit into or onto land (eg landfill, etc.) | Below Reporting Threshold | Below Reporting Threshold | 15 02 03 | absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02 | No              |

ID: O, Location: 224m SW, Permit: BP3943QS  
 Operator: Crown Chicken Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Grange Farm Poultry Unit, Grange Farm Lundy Green NR15 2NX  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Route description   | Quantity (tonnes)         | Release level             | EWC code | EWC description                         | Hazardous waste |
|-------|---|---------------------------|---------------------------|----------|---|-----------------|
| R9    | Oil e-refining or other reuses of oil                       | 0.014                     | Absolute Value            | 13 02 08 | other engine, gear and lubricating oils | Yes             |
| R1    | Use principally as a fuel or other means to generate energy | Below Reporting Threshold | Below Reporting Threshold | 20 03 01 | mixed municipal waste                   | No              |

ID: P, Location: 231m NE, Permit: TP3431HD  
 Operator: S Kelly Farms Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Littlebeck Poultry Farm Littlebeck Lane Norfolk NR15 1ET  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Route description   | Quantity (tonnes)         | Release level             | EWC code | EWC description                   | Hazardous waste |
|-------|---|---------------------------|---------------------------|----------|-----------------------------------|-----------------|
| R3    | Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) | Below Reporting Threshold | Below Reporting Threshold | 02 01 04 | waste plastics (except packaging) | No              |



| Route | Route description   | Quantity (tonnes)         | Release level             | EWC code | EWC description               | Hazardous waste |
|-------|---|---------------------------|---------------------------|----------|-------------------------------|-----------------|
| D4    | Surface impoundment (eg placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)   | Below Reporting Threshold | Below Reporting Threshold | 02 01 10 | waste metal                   | No              |
| R3    | Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) | Below Reporting Threshold | Below Reporting Threshold | 15 01 01 | paper and cardboard packaging | No              |
| R3    | Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) | Below Reporting Threshold | Below Reporting Threshold | 15 01 02 | plastic packaging             | No              |
| R3    | Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) | Below Reporting Threshold | Below Reporting Threshold | 15 01 03 | wooden packaging              | No              |

**ID:** W, Location: 424m S, Permit: CP3333UA  
**Operator:** Hook2sisters Ltd  
**Activity:** INTENSIVE FARMING; > 40,000 POULTRY  
**Address:** Hardwick Farm Poultry Unit The Green Shelton Norfolk NR15 2SQ  
**Sector:** Agriculture, Sub-sector: Intensive Farming  
**Releases:**

| Route | Route description   | Quantity (tonnes)         | Release level             | EWC code | EWC description  | Hazardous waste |
|-------|---|---------------------------|---------------------------|----------|--|-----------------|
| R1    | Use principally as a fuel or other means to generate energy   | 1016                      | Absolute Value            | 02 01 06 | animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site | No              |
| R3    | Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) | Below Reporting Threshold | Below Reporting Threshold | 15 01 01 | paper and cardboard packaging  | No              |
| R3    | Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) | Below Reporting Threshold | Below Reporting Threshold | 15 01 02 | plastic packaging  | No              |



| Route | Route description  | Quantity (tonnes)         | Release level             | EWC code | EWC description  | Hazardous waste |
|-------|--|---------------------------|---------------------------|----------|--|-----------------|
| R3    | Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes) | Below Reporting Threshold | Below Reporting Threshold | 15 01 03 | wooden packaging   | No              |
| D1    | Deposit into or onto land (eg landfill, etc.)  | Below Reporting Threshold | Below Reporting Threshold | 15 02 03 | absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02 | No              |
| D1    | Deposit into or onto land (eg landfill, etc.)  | Below Reporting Threshold | Below Reporting Threshold | 20 03 01 | mixed municipal waste  | No              |

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 4.21 Pollution inventory radioactive waste

**Records within 500m**

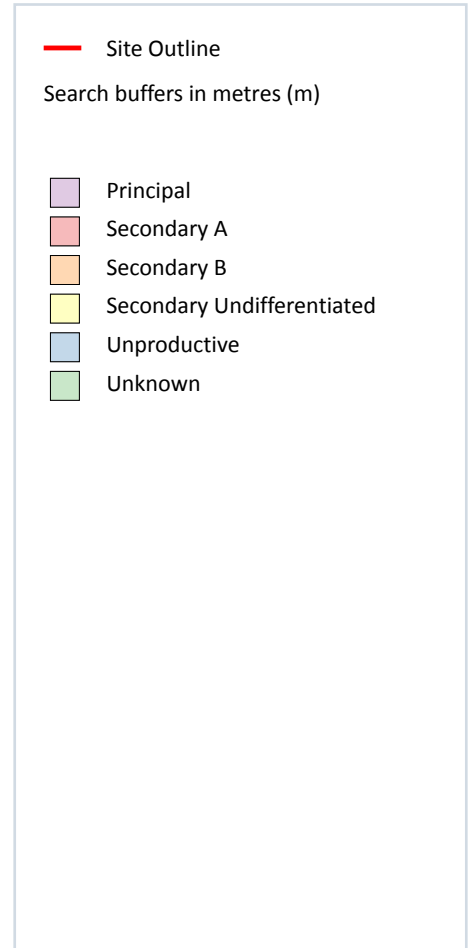
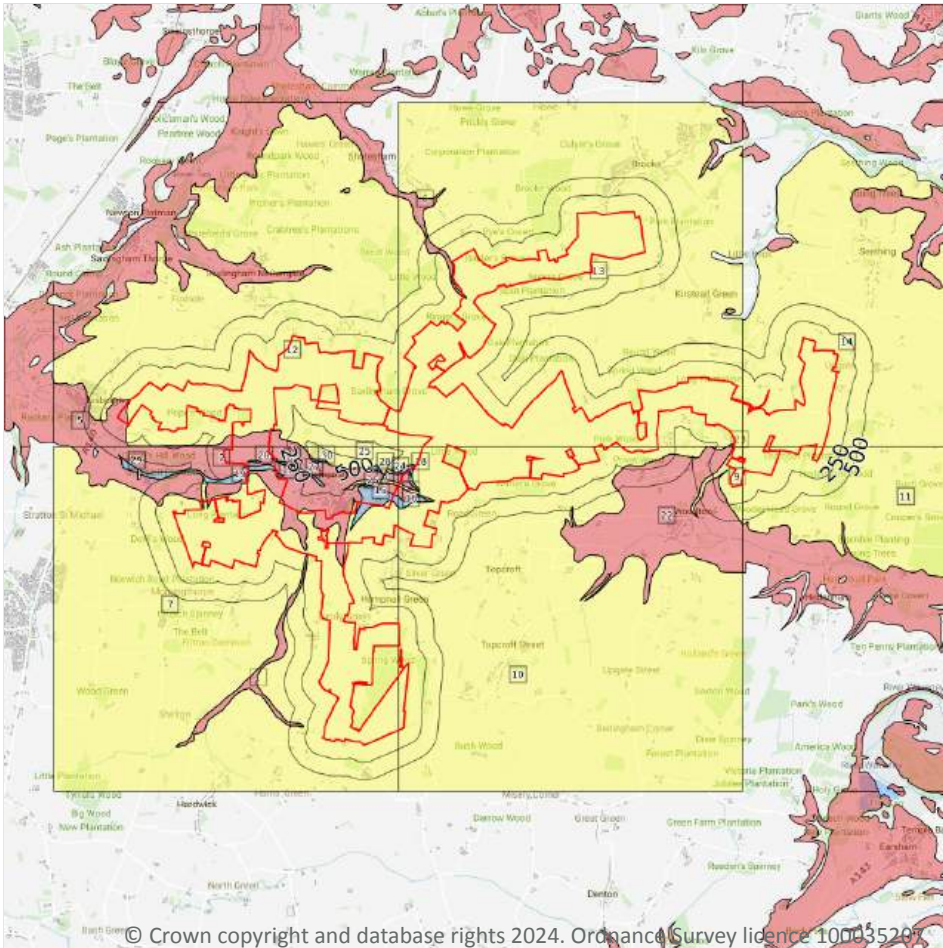
**0**

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*



## 5 Hydrogeology - Superficial aquifer



### 5.1 Superficial aquifer

Records within 500m

30

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 126](#) >

| ID | Location | Designation | Description  |
|----|----------|-------------|--|
| 1  | On site  | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |
| 2  | On site  | Secondary A | 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 |

| ID | Location | Designation                | Description   |
|----|----------|----------------------------|---|
| 3  | On site  | Secondary A                | 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                  |
| 4  | On site  | Secondary A                | 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                  |
| 5  | On site  | Secondary A                | 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                  |
| 6  | On site  | Secondary A                | 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                  |
| 7  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 8  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 9  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 10 | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 11 | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 12 | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 13 | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 14 | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 15 | On site  | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |
| 16 | On site  | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |

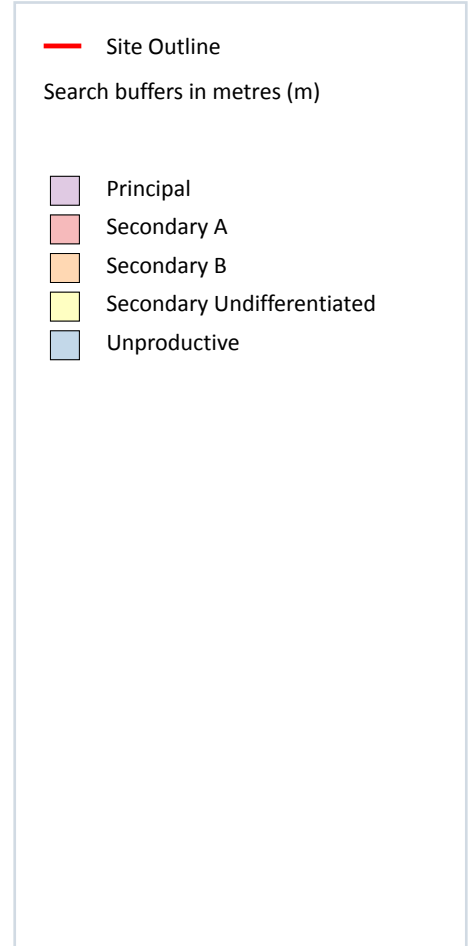
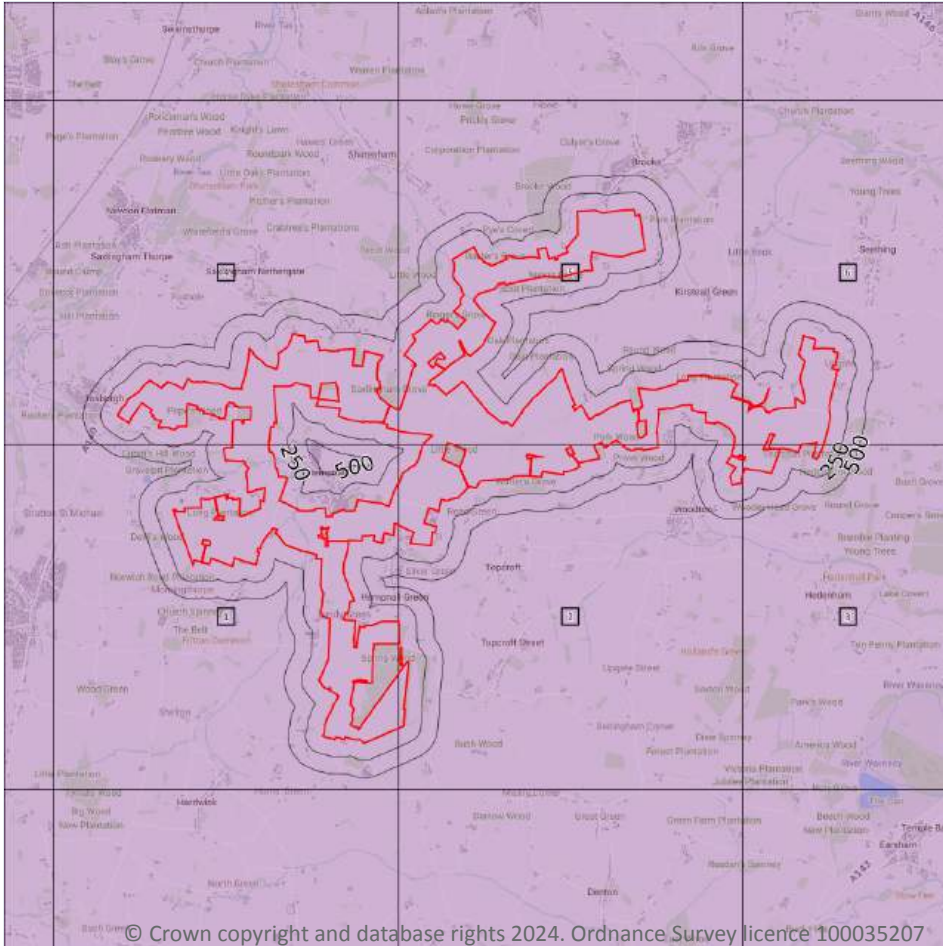


| ID | Location | Designation                | Description   |
|----|----------|----------------------------|---|
| 17 | On site  | Unproductive               | <b>These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow</b>  |
| 18 | On site  | Unproductive               | <b>These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow</b>  |
| 19 | On site  | Unproductive               | <b>These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow</b>  |
| 20 | On site  | Unproductive               | <b>These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow</b>  |
| 21 | On site  | Unproductive               | <b>These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow</b>  |
| 22 | 24m E    | Secondary A                | 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                  |
| 23 | 27m E    | Secondary A                | 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                  |
| 24 | 64m SW   | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |
| 25 | 81m SW   | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 26 | 217m SW  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 27 | 222m W   | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |
| 28 | 277m SW  | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |
| 29 | 464m W   | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |
| 30 | 465m W   | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

6

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 129 >](#)

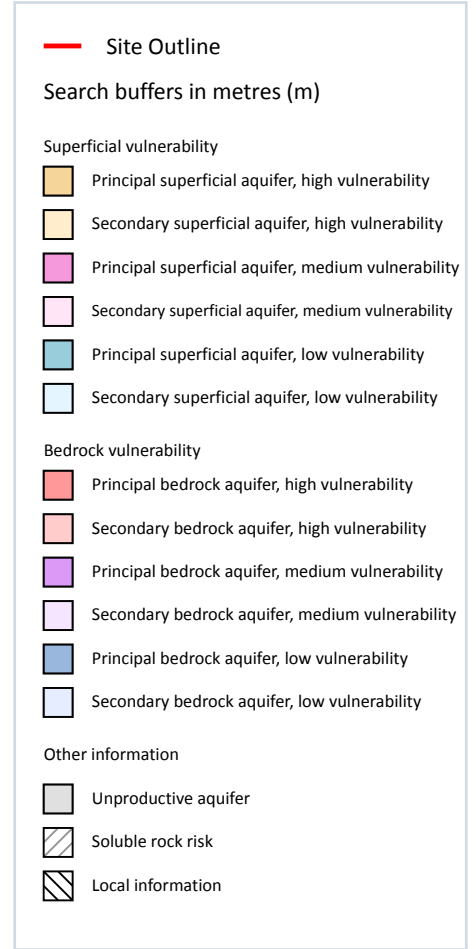
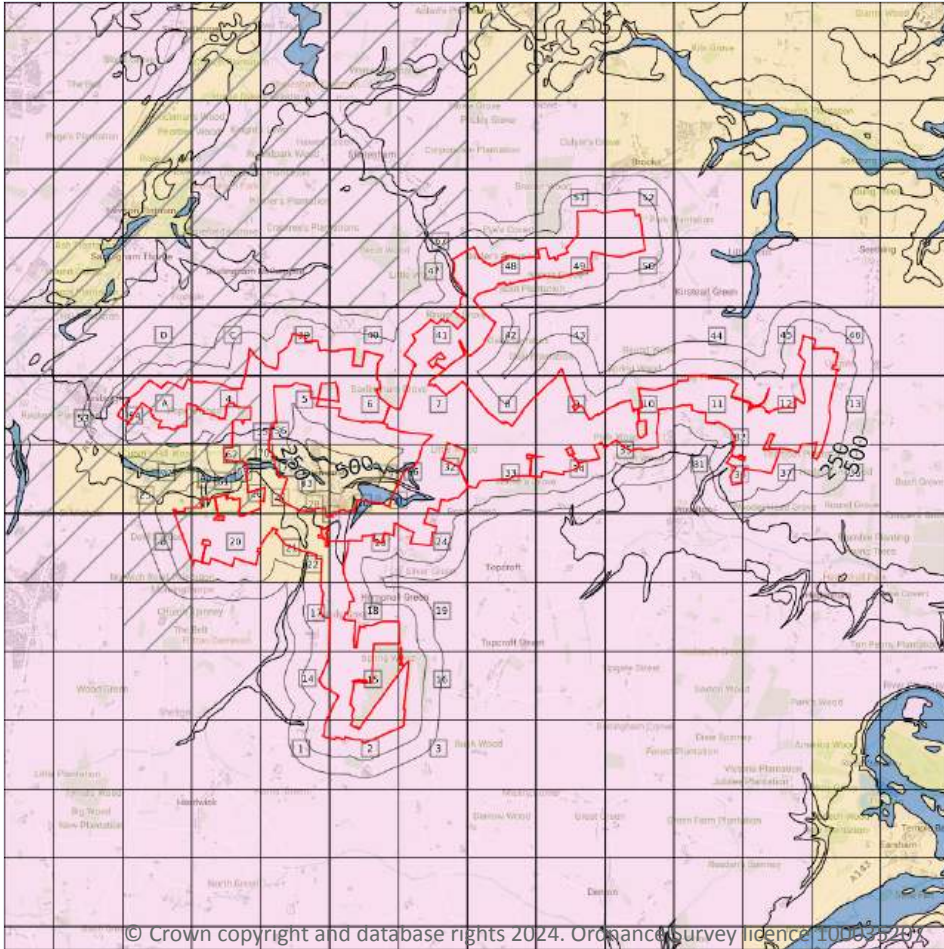
| ID | Location | Designation | Description  |
|----|----------|-------------|--|
| 1  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |
| 2  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |



| ID | Location | Designation | Description  |
|----|----------|-------------|--|
| 3  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |
| 4  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |
| 5  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |
| 6  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*

## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

82

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid.

Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 131 >](#)



| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 1  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |
| 2  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 3  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 4  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 5  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |



| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 6  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 7  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 8  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 9  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 10 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |



| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 11 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 12 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 13 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 14 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 15 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |



| ID | Location | Summary  | Soil / surface  | Superficial geology   | Bedrock geology  |
|----|----------|--|---|---|--|
| 16 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 17 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 18 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 19 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 20 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 21 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer             | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |



| ID | Location | Summary   | Soil / surface  | Superficial geology   | Bedrock geology  |
|----|----------|---|---|---|--|
| 22 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer             | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |
| 23 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |
| 24 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |
| 25 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer             | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 26 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer             | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 27 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer             | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |



| ID | Location | Summary   | Soil / surface  | Superficial geology   | Bedrock geology  |
|----|----------|---|---|---|--|
| 28 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 29 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 30 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 31 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 32 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year  | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 33 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |





| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 34 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 35 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 36 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 37 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 38 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |



| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 39 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 40 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 41 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 42 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 43 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |



| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 44 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 45 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 46 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 47 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |
| 48 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular |



| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 49 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class: Low</b><br><b>Infiltration value: 40-70%</b><br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability: Medium</b><br><b>Aquifer type: Secondary</b><br><b>Thickness: &gt;10m</b><br><b>Patchiness value: &gt;90%</b><br><b>Recharge potential: Low</b> | <b>Vulnerability: Low</b><br><b>Aquifer type: Principal</b><br><b>Flow mechanism:</b><br>Intergranular                   |
| 50 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class: Low</b><br><b>Infiltration value: 40-70%</b><br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability: Medium</b><br><b>Aquifer type: Secondary</b><br><b>Thickness: &gt;10m</b><br><b>Patchiness value: &gt;90%</b><br><b>Recharge potential: Low</b> | <b>Vulnerability: Low</b><br><b>Aquifer type: Principal</b><br><b>Flow mechanism:</b><br>Intergranular                   |
| 51 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class: Low</b><br><b>Infiltration value: 40-70%</b><br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability: Medium</b><br><b>Aquifer type: Secondary</b><br><b>Thickness: &gt;10m</b><br><b>Patchiness value: &gt;90%</b><br><b>Recharge potential: Low</b> | <b>Vulnerability: Low</b><br><b>Aquifer type: Principal</b><br><b>Flow mechanism: Well</b><br><b>connected fractures</b> |
| 52 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class: Low</b><br><b>Infiltration value: 40-70%</b><br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability: Medium</b><br><b>Aquifer type: Secondary</b><br><b>Thickness: &gt;10m</b><br><b>Patchiness value: &gt;90%</b><br><b>Recharge potential: Low</b> | <b>Vulnerability: Low</b><br><b>Aquifer type: Principal</b><br><b>Flow mechanism:</b><br>Intergranular                   |
| 53 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value: 40-70%</b><br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability: Medium</b><br><b>Aquifer type: Secondary</b><br><b>Thickness: &gt;10m</b><br><b>Patchiness value: &gt;90%</b><br><b>Recharge potential: Low</b> | <b>Vulnerability: Low</b><br><b>Aquifer type: Principal</b><br><b>Flow mechanism: Well</b><br><b>connected fractures</b> |



| ID | Location | Summary   | Soil / surface  | Superficial geology   | Bedrock geology  |
|----|----------|---|---|---|--|
| 54 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year        | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 55 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year        | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 56 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year        | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Intergranular            |
| 57 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | <b>Leaching class:</b> Intermediate<br><b>Infiltration value:</b> >70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Intergranular            |
| 58 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | <b>Leaching class:</b> Intermediate<br><b>Infiltration value:</b> >70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Intergranular            |
| 59 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year        | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Intergranular            |



| ID | Location | Summary   | Soil / surface   | Superficial geology  | Bedrock geology   |
|----|----------|---|--|--|---|
| 60 | On site  | Summary Classification:<br>Secondary superficial aquifer - High Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | Leaching class:<br>Intermediate<br>Infiltration value:<br>>70%<br>Dilution value:<br><300mm/year | Vulnerability: High<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low   | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism: Well connected fractures |
| 61 | On site  | Summary Classification:<br>Secondary superficial aquifer - High Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | Leaching class:<br>Intermediate<br>Infiltration value:<br>>70%<br>Dilution value:<br><300mm/year | Vulnerability: High<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low   | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism: Well connected fractures |
| 62 | On site  | Summary Classification:<br>Secondary superficial aquifer - High Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | Leaching class:<br>Intermediate<br>Infiltration value:<br>>70%<br>Dilution value:<br><300mm/year | Vulnerability: High<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low   | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism: Well connected fractures |
| 63 | On site  | Summary Classification:<br>Secondary superficial aquifer - High Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | Leaching class:<br>Intermediate<br>Infiltration value:<br>>70%<br>Dilution value:<br><300mm/year | Vulnerability: High<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low   | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism: Intergranular            |
| 64 | On site  | Summary Classification:<br>Secondary superficial aquifer - High Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | Leaching class:<br>Intermediate<br>Infiltration value:<br>>70%<br>Dilution value:<br><300mm/year | Vulnerability: High<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low   | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism: Intergranular            |
| A  | On site  | Summary Classification:<br>Secondary superficial aquifer - Medium Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer, Productive Superficial Aquifer | Leaching class: Low<br>Infiltration value: 40-70%<br>Dilution value:<br><300mm/year              | Vulnerability: Medium<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism: Well connected fractures |



| ID | Location | Summary   | Soil / surface   | Superficial geology  | Bedrock geology  |
|----|----------|---|--|--|--|
| 65 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low          | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |
| B  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low          | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 66 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low          | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |
| C  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low          | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 67 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low          | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |
| 68 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer - Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Unproductive Superficial Aquifer      | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year             | <b>Vulnerability:</b> Unproductive<br><b>Aquifer type:</b> Unproductive<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular         |



| ID | Location | Summary   | Soil / surface  | Superficial geology  | Bedrock geology   |
|----|----------|---|---|--|---|
| 69 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer -<br>Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Unproductive Superficial<br>Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Unproductive<br><b>Aquifer type:</b> Unproductive<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well<br>connected fractures |
| 70 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer -<br>Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Unproductive Superficial<br>Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Unproductive<br><b>Aquifer type:</b> Unproductive<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well<br>connected fractures |
| 71 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer -<br>Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Unproductive Superficial<br>Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Unproductive<br><b>Aquifer type:</b> Unproductive<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular            |
| 72 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer -<br>Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Unproductive Superficial<br>Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Unproductive<br><b>Aquifer type:</b> Unproductive<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular            |
| 73 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer -<br>Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Unproductive Superficial<br>Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Unproductive<br><b>Aquifer type:</b> Unproductive<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular            |
| 74 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer -<br>Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Unproductive Superficial<br>Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Unproductive<br><b>Aquifer type:</b> Unproductive<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b><br>Intergranular            |





| ID | Location | Summary   | Soil / surface   | Superficial geology  | Bedrock geology  |
|----|----------|---|--|--|--|
| 75 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer -<br>Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Unproductive Superficial<br>Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-<br>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability: Unproductive</b><br><b>Aquifer type: Unproductive</b><br><b>Thickness: &gt;10m</b><br><b>Patchiness value: &gt;90%</b><br><b>Recharge potential: Low</b> | <b>Vulnerability: Low</b><br><b>Aquifer type: Principal</b><br><b>Flow mechanism:</b><br>Intergranular |
| 76 | On site  | <b>Summary Classification:</b><br>Principal bedrock aquifer -<br>Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Unproductive Superficial<br>Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-<br>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability: Unproductive</b><br><b>Aquifer type: Unproductive</b><br><b>Thickness: &gt;10m</b><br><b>Patchiness value: &gt;90%</b><br><b>Recharge potential: Low</b> | <b>Vulnerability: Low</b><br><b>Aquifer type: Principal</b><br><b>Flow mechanism:</b><br>Intergranular |
| 81 | 24m E    | Summary Classification:<br>Secondary superficial aquifer<br>- Medium Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer,<br>Productive Superficial<br>Aquifer          | Leaching class:<br>Intermediate<br>Infiltration value: 40-<br>70%<br>Dilution value:<br><300mm/year                      | Vulnerability: Medium<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low   | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism:<br>Intergranular                      |
| 82 | 27m E    | Summary Classification:<br>Secondary superficial aquifer<br>- Medium Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer,<br>Productive Superficial<br>Aquifer          | Leaching class: Low<br>Infiltration value: 40-<br>70%<br>Dilution value:<br><300mm/year                                  | Vulnerability: Medium<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low   | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism:<br>Intergranular                      |
| D  | 41m W    | Summary Classification:<br>Secondary superficial aquifer<br>- Medium Vulnerability<br>Combined classification:<br>Productive Bedrock Aquifer,<br>Productive Superficial<br>Aquifer          | Leaching class: Low<br>Infiltration value: 40-<br>70%<br>Dilution value:<br><300mm/year                                  | Vulnerability: Medium<br>Aquifer type: Secondary<br>Thickness: >10m<br>Patchiness value: >90%<br>Recharge potential: Low   | Vulnerability: Low<br>Aquifer type: Principal<br>Flow mechanism: Well<br>connected fractures           |

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

## 5.4 Groundwater vulnerability- soluble rock risk

### Records on site

7

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.



| ID | Maximum soluble risk category  | Percentage of grid square covered by maximum risk |
|----|--|---|
| A  | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 90.0%   |
| B  | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 10.0%   |
| C  | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 35.0%   |
| 77 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 85.0%   |
| 78 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 1.0%  |
| 79 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 91.0%   |
| 80 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 0.0%  |

*This data is sourced from the British Geological Survey and the Environment Agency.*

## 5.5 Groundwater vulnerability- local information

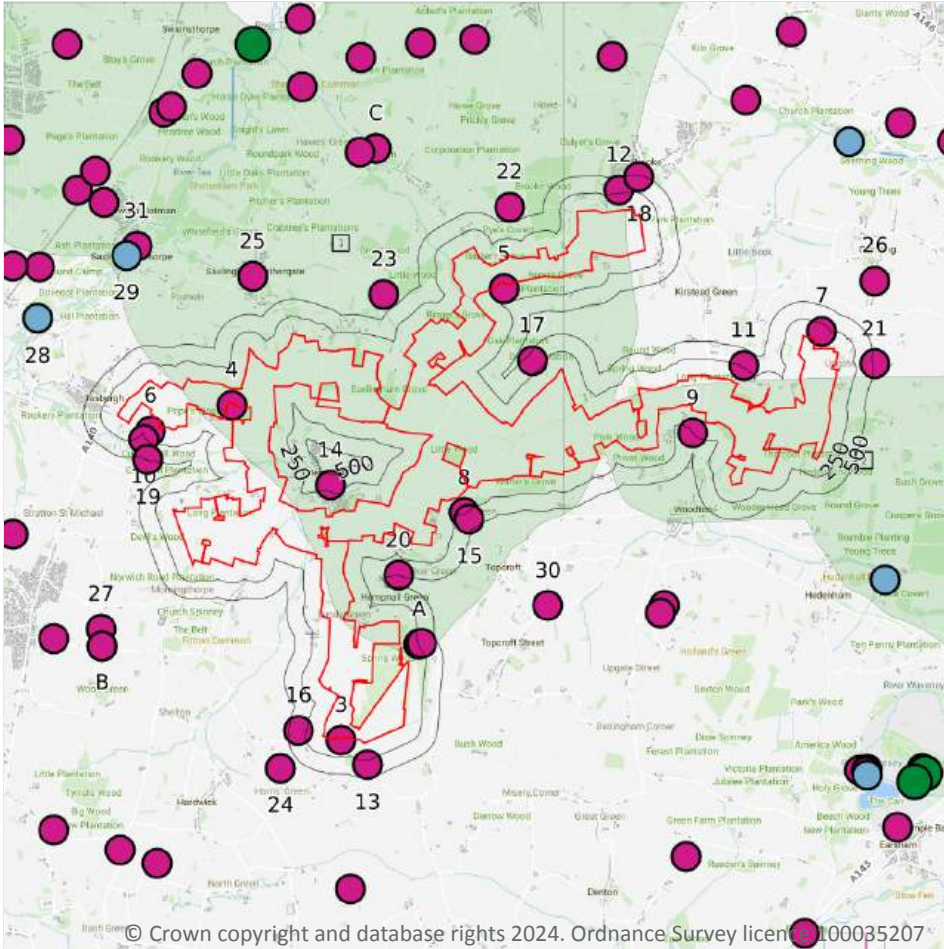
|                 |   |
|-----------------|---|
| Records on site | 0 |
|-----------------|---|

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk) ↗.

*This data is sourced from the British Geological Survey and the Environment Agency.*



## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

34

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 148](#) >

| ID | Location | Details  |  |
|----|----------|--|--|
| 3  | 22m S    | Status: Historical<br>Licence No: 7/34/14/*G/0107<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT GRANGE FM,SHELTON<br>Data Type: Point<br>Name: JOHN BRADSHAW FARMS LTD<br>Easting: 624170<br>Northing: 290710         | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/12/1987<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/12/1987<br>Version End Date: -     |
| 4  | 30m W    | Status: Historical<br>Licence No: 7/34/14/*G/0025<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT GROVE FM,HEMPNALL<br>Data Type: Point<br>Name: SARGENT<br>Easting: 622580<br>Northing: 295570                         | Annual Volume (m <sup>3</sup> ): 6600<br>Max Daily Volume (m <sup>3</sup> ): 18<br>Original Application No: -<br>Original Start Date: 01/12/1965<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/10/1995<br>Version End Date: - |
| 5  | 63m N    | Status: Historical<br>Licence No: 7/34/14/*G/0119<br>Details: General use relating to Secondary Category (Medium Loss)<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT LEY FARM<br>Data Type: Point<br>Name: BONSER<br>Easting: 626530<br>Northing: 297260 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/02/1995<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1995<br>Version End Date: -     |
| 6  | 130m W   | Status: Historical<br>Licence No: 7/34/14/*G/0113<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT HEMPNALL<br>Data Type: Point<br>Name: REEDER<br>Easting: 621400<br>Northing: 295200                               | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/03/1993<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/03/1993<br>Version End Date: -     |
| 7  | 159m E   | Status: Historical<br>Licence No: 7/34/15/*G/0028<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT GERRINS FM,SEETHING<br>Data Type: Point<br>Name: HEWITT<br>Easting: 631150<br>Northing: 296650                        | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/01/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/12/1973<br>Version End Date: -     |



| ID | Location | Details  |   |
|----|----------|--|---|
| 8  | 233m S   | Status: Historical<br>Licence No: 7/34/14/*G/0045<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: WELL AT MOAT FM,HEMPNALL<br>Data Type: Point<br>Name: ELLIS<br>Easting: 625950<br>Northing: 294010                          | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/01/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1966<br>Version End Date: -            |
| 9  | 248m E   | Status: Historical<br>Licence No: 7/34/18/*G/0021<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: WELL AT WOODTON GRANGE,WOODTON<br>Data Type: Point<br>Name: LONGE<br>Easting: 629270<br>Northing: 295170                    | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/02/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1966<br>Version End Date: -            |
| A  | 263m S   | Status: Historical<br>Licence No: 7/34/18/*G/0090<br>Details: Spray Irrigation - Direct<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE, SPRING FM, HEMPENALL<br>Data Type: Point<br>Name: SPRING FARM NURSERIES LTD<br>Easting: 625300<br>Northing: 292100 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/10/1994<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 01/02/1999<br>Version End Date: -            |
| 10 | 277m W   | Status: Historical<br>Licence No: 7/34/14/*G/0056<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: WELL AT FAIRSTEAD FM,HEMPNALL<br>Data Type: Point<br>Name: SARGENT<br>Easting: 621300<br>Northing: 295080                   | Annual Volume (m <sup>3</sup> ): 4545<br>Max Daily Volume (m <sup>3</sup> ): 18.18<br>Original Application No: -<br>Original Start Date: 01/08/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1992<br>Version End Date: -     |
| 11 | 278m E   | Status: Active<br>Licence No: 7/34/15/*G/0184<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT SASHLIGHT FM,KIRSTEAD<br>Data Type: Point<br>Name: BEN BURGESS FARMS<br>Easting: 630010<br>Northing: 296150             | Annual Volume (m <sup>3</sup> ): 11600<br>Max Daily Volume (m <sup>3</sup> ): 32<br>Original Application No: ES 3150<br>Original Start Date: 01/01/1980<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 01/04/2021<br>Version End Date: - |



| ID | Location | Details  |   |
|----|----------|--|---|
| A  | 296m S   | Status: Active<br>Licence No: AN/034/0018/009<br>Details: Trickle Irrigation - Direct<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT SPRING FARM<br>Data Type: Point<br>Name: Berries Direct Farming Limited<br>Easting: 625330<br>Northing: 292116           | Annual Volume (m <sup>3</sup> ): 18500<br>Max Daily Volume (m <sup>3</sup> ): 132<br>Original Application No: NPS/NA/000084<br>Original Start Date: 13/10/2022<br>Expiry Date: 31/03/2030<br>Issue No: 1<br>Version Start Date: 13/10/2022<br>Version End Date: - |
| 12 | 299m NE  | Status: Historical<br>Licence No: 7/34/15/*G/0215<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT HIGH GREEN FARM<br>Data Type: Point<br>Name: FRANK SPURGEON LTD<br>Easting: 628200<br>Northing: 298700                | Annual Volume (m <sup>3</sup> ): 3800<br>Max Daily Volume (m <sup>3</sup> ): 18.4<br>Original Application No: -<br>Original Start Date: 01/01/1995<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1995<br>Version End Date: -                    |
| 13 | 317m S   | Status: Historical<br>Licence No: 7/34/14/*G/0106<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE OFF ROOM LANE,SHELTON<br>Data Type: Point<br>Name: WAVENEY VALLEY LAKES (NORFOLK) LTD<br>Easting: 624550<br>Northing: 290350 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/12/1987<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 23/04/2004<br>Version End Date: -                          |
| 14 | 337m W   | Status: Historical<br>Licence No: 7/34/14/*G/0012<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT MANOR FM,HEMPNALL<br>Data Type: Point<br>Name: G H ALLEN FARMS LTD<br>Easting: 624010<br>Northing: 294410                 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/12/1965<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/12/1965<br>Version End Date: -                          |
| 15 | 349m S   | Status: Historical<br>Licence No: 7/34/14/*G/0045<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: WELL AT MOAT FM,HEMPNALL<br>Data Type: Point<br>Name: ELLIS<br>Easting: 626030<br>Northing: 293920                                | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/01/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1966<br>Version End Date: -                          |



| ID | Location | Details  |   |
|----|----------|--|---|
| 16 | 359m SW  | Status: Historical<br>Licence No: 7/34/14/*G/0035<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT SHELTON GREEN<br>Data Type: Point<br>Name: STYLES<br>Easting: 623550<br>Northing: 290850          | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/01/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1966<br>Version End Date: -        |
| 17 | 411m NE  | Status: Historical<br>Licence No: 7/34/14/*G/0032<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT WOODTON FM,SHOTESHAM<br>Data Type: Point<br>Name: PULL<br>Easting: 626940<br>Northing: 296220     | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/12/1965<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/12/1965<br>Version End Date: -        |
| 18 | 482m NE  | Status: Active<br>Licence No: 7/34/15/*G/0072<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT PARK FM,BROOKE<br>Data Type: Point<br>Name: FRANK SPURGEON LTD<br>Easting: 628490<br>Northing: 298890 | Annual Volume (m <sup>3</sup> ): 13638<br>Max Daily Volume (m <sup>3</sup> ): 36.4<br>Original Application No: -<br>Original Start Date: 01/08/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/2008<br>Version End Date: - |
| 19 | 493m W   | Status: Historical<br>Licence No: 7/34/14/*G/0002<br>Details: Spray Irrigation - Direct<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: RES AT FRIARS FM,MORNINGTHORPE<br>Data Type: Point<br>Name: SARGENT<br>Easting: 621360<br>Northing: 294780 | Annual Volume (m <sup>3</sup> ): 44545<br>Max Daily Volume (m <sup>3</sup> ): 682<br>Original Application No: -<br>Original Start Date: 01/12/1965<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1992<br>Version End Date: -  |
| 20 | 503m S   | Status: Historical<br>Licence No: 7/34/14/*G/0116<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT HEMPSTALL<br>Data Type: Point<br>Name: WRIGHT<br>Easting: 625000<br>Northing: 293100          | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/01/1994<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1994<br>Version End Date: -        |



| ID | Location | Details  |  |
|----|----------|--|--|
| 21 | 520m E   | Status: Active<br>Licence No: 7/34/15/*G/0179<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE N SIDE OF AIRFIELD,SEET'G<br>Data Type: Point<br>Name: RATTLEW FIELDS LTD<br>Easting: 631910<br>Northing: 296170             | Annual Volume (m <sup>3</sup> ): 24889<br>Max Daily Volume (m <sup>3</sup> ): 68<br>Original Application No: ES2353<br>Original Start Date: 01/07/1975<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 01/04/2021<br>Version End Date: - |
| 22 | 708m N   | Status: Historical<br>Licence No: 7/34/14/*G/0087<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT SCOTT PASTURE,HOWE<br>Data Type: Point<br>Name: BURGESS BROS<br>Easting: 626610<br>Northing: 298450                   | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/10/1972<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/10/1972<br>Version End Date: -           |
| 23 | 721m NW  | Status: Historical<br>Licence No: 7/34/14/*G/0089<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT LOW FM,SHOTESHAM<br>Data Type: Point<br>Name: EMMS BROS<br>Easting: 624790<br>Northing: 297180                        | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/02/1973<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1973<br>Version End Date: -           |
| 24 | 771m SW  | Status: Historical<br>Licence No: 7/34/14/*G/0094<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE E OF SHELTON HALL<br>Data Type: Point<br>Name: WAVENEY VALLEY LAKES (NORFOLK) LTD<br>Easting: 623290<br>Northing: 290300 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/02/1978<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/1994<br>Version End Date: -           |
| 25 | 1017m NW | Status: Historical<br>Licence No: 7/34/14/*G/0013<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT SALLETTS FM,SAXLINGHAM<br>Data Type: Point<br>Name: EMMS BROS<br>Easting: 622880<br>Northing: 297440                  | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/12/1965<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/12/1965<br>Version End Date: -           |





| ID | Location | Details   |  |
|----|----------|---|--|
| 26 | 1157m E  | Status: Historical<br>Licence No: 7/34/15/*G/0016<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT PARK MERE FM,SEETHING<br>Data Type: Point<br>Name: BALLS<br>Easting: 631920<br>Northing: 297380                            | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/12/1965<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/12/1965<br>Version End Date: -           |
| 27 | 1636m SW | Status: Historical<br>Licence No: 7/34/14/*G/0057<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE N OF WINDMILL, LONG ST'TON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620680<br>Northing: 292320                         | Annual Volume (m <sup>3</sup> ): 8295<br>Max Daily Volume (m <sup>3</sup> ): 22.7<br>Original Application No: -<br>Original Start Date: 01/09/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: -     |
| B  | 1769m SW | Status: Historical<br>Licence No: 7/34/14/*G/0110<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT LONG STRATTON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620700<br>Northing: 292080                               | Annual Volume (m <sup>3</sup> ): 7298.18<br>Max Daily Volume (m <sup>3</sup> ): 19.99<br>Original Application No: -<br>Original Start Date: 01/01/1993<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: - |
| B  | 1769m SW | Status: Historical<br>Licence No: 7/34/14/*G/0110<br>Details: General use relating to Secondary Category (Medium Loss)<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT LONG STRATTON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620700<br>Northing: 292080 | Annual Volume (m <sup>3</sup> ): 7298.18<br>Max Daily Volume (m <sup>3</sup> ): 19.99<br>Original Application No: -<br>Original Start Date: 01/01/1993<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: - |
| B  | 1769m SW | Status: Historical<br>Licence No: 7/34/14/*G/0110<br>Details: General use relating to Secondary Category (Medium Loss)<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT LONG STRATTON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620700<br>Northing: 292080 | Annual Volume (m <sup>3</sup> ): 7298.18<br>Max Daily Volume (m <sup>3</sup> ): 19.99<br>Original Application No: -<br>Original Start Date: 01/01/1993<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: - |



| ID | Location | Details   |  |
|----|----------|---|--|
| 30 | 1872m SE | Status: Historical<br>Licence No: 7/34/18/*G/0023<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: WELL AT TOPCROFT HALL, TOPCROFT<br>Data Type: Point<br>Name: JOHN UNWIN FARMS LTD<br>Easting: 627170<br>Northing: 292660                               | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/02/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1966<br>Version End Date: -           |
| 31 | 1951m NW | Status: Historical<br>Licence No: 7/34/14/*G/0075<br>Details: General use relating to Secondary Category (Medium Loss)<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT THE MILL, SAX.THORPE<br>Data Type: Point<br>Name: W L DUFFIELD & SONS LTD<br>Easting: 621200<br>Northing: 297880 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/05/1967<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/05/1967<br>Version End Date: -           |
| C  | 1958m N  | Status: Active<br>Licence No: 7/34/14/*G/0095<br>Details: Make-Up Or Top Up Water<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT SHOTESHAM ALL SAINTS<br>Data Type: Point<br>Name: CRAVENSWORD LTD<br>Easting: 624670<br>Northing: 299300  | Annual Volume (m <sup>3</sup> ): 2300<br>Max Daily Volume (m <sup>3</sup> ): 113<br>Original Application No: ES2841<br>Original Start Date: 01/05/1981<br>Expiry Date: -<br>Issue No: 102<br>Version Start Date: 21/04/2005<br>Version End Date: - |
| C  | 1958m N  | Status: Historical<br>Licence No: 7/34/14/*G/0095<br>Details: Fish Farm/Cress Pond Throughflow<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT SHOTESHAM ALL SAINTS<br>Data Type: Point<br>Name: TUNNICLIFFE<br>Easting: 624670<br>Northing: 299300                                     | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/05/1981<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/1998<br>Version End Date: -           |

This data is sourced from the Environment Agency and Natural Resources Wales.

## 5.7 Surface water abstractions

### Records within 2000m

2

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.



Features are displayed on the Abstractions and Source Protection Zones map on [page 148 >](#)

| ID | Location | Details   |   |
|----|----------|---|---|
| 28 | 1763m W  | Status: Active<br>Licence No: 7/34/14/*S/0123<br>Details: Make-Up Or Top Up Water<br>Direct Source: SURFACE WATER SOURCE OF SUPPLY<br>Point: RIVER TAS AT FLORDON<br>Data Type: Point<br>Name: ELLIS<br>Easting: 619760<br>Northing: 296830                               | Annual Volume (m <sup>3</sup> ): 18200<br>Max Daily Volume (m <sup>3</sup> ): 224<br>Original Application No: ES2186<br>Original Start Date: 01/05/1998<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 19/01/2001<br>Version End Date: - |
| 29 | 1844m NW | Status: Historical<br>Licence No: 7/34/14/*S/0054<br>Details: Spray Irrigation - Direct<br>Direct Source: SURFACE WATER SOURCE OF SUPPLY<br>Point: R TAS AT NEWTON FLOTMAN<br>Data Type: Point<br>Name: J L BRIGHTON (FARMERS) LTD<br>Easting: 621050<br>Northing: 297750 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/06/1966<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 01/04/1999<br>Version End Date: -            |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.8 Potable abstractions

|                             |          |
|-----------------------------|----------|
| <b>Records within 2000m</b> | <b>0</b> |
|-----------------------------|----------|

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.9 Source Protection Zones

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>2</b> |
|----------------------------|----------|

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

Features are displayed on the Abstractions and Source Protection Zones map on [page 148 >](#)

| ID | Location | Type | Description     |
|----|----------|------|-----------------|
| 1  | On site  | 3    | Total catchment |
| 2  | On site  | 3    | Total catchment |



*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.10 Source Protection Zones (confined aquifer)

Records within 500m

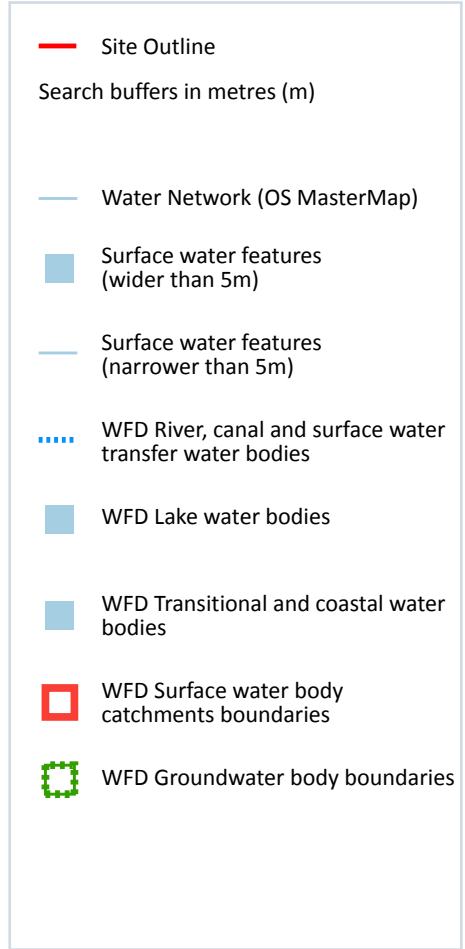
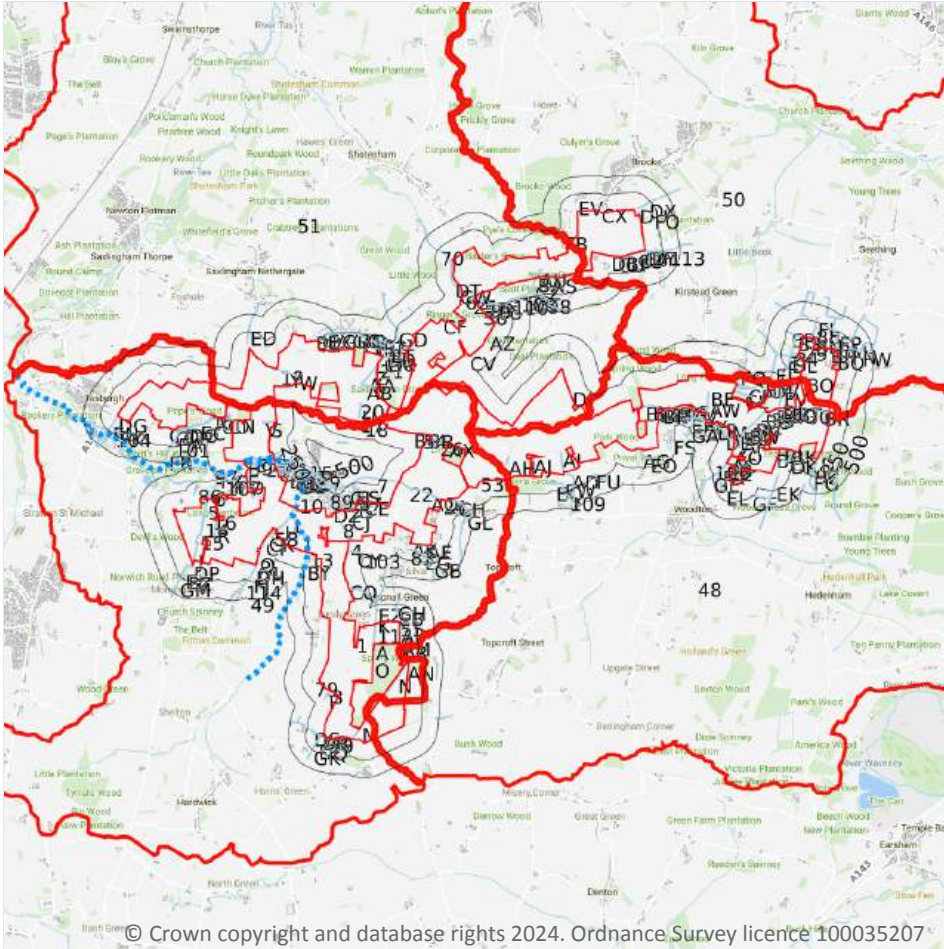
0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 6 Hydrology



### 6.1 Water Network (OS MasterMap)

Records within 250m

535

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 158 >](#)

| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 1  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |

| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 2  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 3  | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 4  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 5  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 6  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 7  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 8  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 9  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 10 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 11 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 12 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 13 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 14 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 15 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 16 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 17 | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 18 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 19 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 20 | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 21 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 22 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 23 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 24 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 25 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 26 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 27 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 28 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 29 | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 30 | On site  | Inland river not influenced by normal tidal action. | Not provided      | Watercourse contains water year round (in normal circumstances) | -    |
| 31 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 32 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 33 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| A  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| C  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| C  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| C  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| D  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| E  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| G  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| H  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| I  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| J  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| K  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| L  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| L  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| M  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| N  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| O  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| P  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| Q  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| R  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| S  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| T  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| T  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| U  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| V  | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| W  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| W  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| Y  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| Z  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AA | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AA | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AA | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AB | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BA | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BA | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AC | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BB | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AD | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BC | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AE | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AE | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AE | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BD | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BD | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BD | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AE | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AF | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BE | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BE | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AG | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BF | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BF | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AH | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| BG | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AI | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AI | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AI | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AI | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AI | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AI | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BH | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AJ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BI | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AK | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AK | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BJ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AL | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BK | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BK | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BK | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BK | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AM | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BL | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BL | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AN | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AN | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BM | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AO | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AO | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AO | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AO | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BN | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AP | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BO | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AQ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BP | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AR | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BQ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AS | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BR | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AT | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AT | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| BS | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AT | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AT | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AU | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BT | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AV | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BU | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AW | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BV | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AX | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AX | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BW | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AY | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AY | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BX | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AZ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BY | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BZ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 54 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AE | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CD | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CD | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| BK | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BL | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 55 | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AO | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 56 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AT | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 57 | 1m N     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 1m N     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 1m W     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CG | 1m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 1m W     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CH | 1m S     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| CI | 1m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CA | 1m W     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| Q  | 1m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| Q  | 1m SW    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CJ | 1m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CK | 1m SW    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CK | 1m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| Q  | 2m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| Q  | 2m SW    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CE | 2m SW    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CL | 2m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | 2m E     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 58 | 2m SW    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| CM | 2m NW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 59 | 2m S     | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 2m W     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CO | 2m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AO | 3m E     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CP | 3m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BT | 3m E     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BF | 3m E     | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CM | 4m NW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 4m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 61 | 4m SW    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BA | 4m NE    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CC | 4m W     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|----|----------|---|-------------------|---|-------------|
| 62 | 4m N     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| 64 | 5m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CN | 5m W     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CE | 5m SW    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AO | 5m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CR | 5m W     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| O  | 5m S     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| CS | 6m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| CV | 6m N     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| Q  | 7m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CX | 7m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AO | 7m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CU | 7m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|----|----------|---|-------------------|---|-------------|
| CR | 7m W     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CY | 7m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CZ | 7m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CW | 7m N     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CT | 7m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| DC | 7m NW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DD | 7m NW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CT | 8m NE    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Little Beck |
| DB | 8m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| CC | 8m W     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| DE | 8m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CM | 8m NW    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| 66 | 8m NE    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Little Beck |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|----|----------|---|-------------------|---|-------------|
| DB | 8m NE    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Little Beck |
| DF | 8m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| CT | 8m NE    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Little Beck |
| CT | 8m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| AF | 9m S     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| 67 | 9m SW    | Inland river not influenced by normal tidal action. | Not provided      | Watercourse contains water year round (in normal circumstances) | -           |
| DA | 9m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AY | 9m E     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DG | 10m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AE | 10m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AM | 10m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AO | 10m E    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AO | 10m E    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|----|----------|---|-------------------|---|-------------|
| AL | 10m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| DH | 10m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AY | 11m E    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| AE | 11m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AE | 11m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| AN | 11m S    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DI | 11m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AY | 12m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CT | 12m NE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Little Beck |
| CV | 12m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DJ | 13m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CV | 13m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CV | 13m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| Q  | 13m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DK | 14m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DL | 15m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DM | 17m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CC | 17m W    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CP | 17m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CC | 18m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CR | 19m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DN | 20m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CR | 21m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 68 | 22m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DO | 22m W    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DO | 23m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| DP | 24m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 27m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 27m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 31m N    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DP | 31m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 70 | 31m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AS | 31m NE   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 35m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AS | 35m NE   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AS | 35m NE   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 72 | 35m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 37m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DQ | 37m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| DR | 37m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 73 | 39m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DR | 39m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| T  | 41m W    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 74 | 42m NW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DS | 45m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DT | 47m N    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DU | 48m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CR | 49m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DM | 50m E    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CR | 52m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DU | 57m NE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DV | 58m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|----|----------|---|-------------------|---|-------------|
| DG | 58m W    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| DW | 59m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CC | 59m W    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| DX | 60m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DY | 61m NE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Little Beck |
| DZ | 61m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| B  | 63m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| B  | 63m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DG | 64m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DY | 65m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| T  | 67m W    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| EA | 68m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| EB | 71m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| EC | 73m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DO | 73m W    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CR | 74m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 77m NW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DO | 77m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DO | 78m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DO | 78m W    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | 78m E    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 79 | 78m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| T  | 79m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 81 | 81m NW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 82 | 84m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DP | 85m SW   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| EG | 85m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DV | 86m E    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 83 | 87m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EI | 90m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 91m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 92m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 92m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 84 | 93m E    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | 95m E    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DP | 96m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AY | 96m E    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | 96m E    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DW | 97m W    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AY | 97m E    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| T  | 97m W    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 97m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EJ | 99m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 100m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EK | 101m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | 102m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY | 102m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DG | 105m W   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 108m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CR | 109m W   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EM | 109m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 110m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 86 | 111m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EN | 114m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CR | 116m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EP | 118m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EO | 118m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 119m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EQ | 119m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ER | 121m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ES | 121m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EO | 121m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET | 122m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EL | 122m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 122m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| B  | 123m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ER | 123m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 87 | 123m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 124m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 88 | 124m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EV | 125m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EW | 127m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EX | 127m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 127m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 89 | 128m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ER | 129m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ER | 129m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EY | 132m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| CR | 133m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FA | 134m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FB | 135m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FD | 135m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EW | 136m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FD | 136m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FD | 136m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 90 | 137m W   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 91 | 137m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FD | 137m W   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ET | 138m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET | 138m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FA | 138m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| ET | 138m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BY | 138m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET | 138m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET | 138m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ET | 139m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 141m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 92 | 142m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EM | 142m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FE | 144m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | 144m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FF | 144m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FG | 147m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FH | 147m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|----|----------|---|-------------------|---|-------------|
| 93 | 147m N   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| EM | 149m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| EL | 150m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| ET | 150m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| 95 | 150m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| FI | 150m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| FJ | 151m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| FK | 152m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| FJ | 153m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| ET | 154m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DY | 154m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Little Beck |
| AY | 154m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| FL | 155m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|----|----------|---|-------------------|---|-------------|
| FK | 158m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| EL | 158m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CR | 158m W   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| B  | 159m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DY | 159m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| EL | 161m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| FK | 162m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| AY | 163m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| FK | 163m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| B  | 163m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| CR | 165m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| B  | 166m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| B  | 169m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |



| ID  | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|-----|----------|---|-------------------|---|------|
| FJ  | 170m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ET  | 170m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY  | 170m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B   | 170m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 97  | 170m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX  | 171m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FN  | 172m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET  | 173m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 98  | 174m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 99  | 174m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 101 | 175m W   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FJ  | 175m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FO  | 177m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID  | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|-----|----------|---|-------------------|---|------|
| EV  | 177m NE  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B   | 177m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B   | 177m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET  | 178m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX  | 180m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX  | 180m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AY  | 180m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FK  | 180m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 102 | 183m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FP  | 184m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 103 | 184m SW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FR  | 186m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ES  | 188m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID  | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|-----|----------|---|-------------------|---|------|
| B   | 188m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FQ  | 189m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FN  | 189m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FQ  | 189m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FS  | 189m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 104 | 190m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX  | 190m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET  | 190m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET  | 191m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FT  | 191m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET  | 191m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX  | 192m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FU  | 192m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| FV | 193m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FV | 193m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FW | 194m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX | 195m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ET | 195m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FY | 196m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ES | 197m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FZ | 198m SW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GA | 198m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX | 199m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FZ | 199m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX | 200m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FP | 201m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID  | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|-----|----------|---|-------------------|---|------|
| GB  | 202m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FK  | 202m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 106 | 203m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FA  | 204m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| B   | 204m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FX  | 205m W   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 107 | 205m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FQ  | 205m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| GC  | 206m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GC  | 206m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EZ  | 206m SW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GD  | 206m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FU  | 207m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID  | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|-----|----------|---|-------------------|---|-------------|
| FQ  | 207m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| GE  | 207m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| B   | 207m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| B   | 208m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| EX  | 212m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| B   | 213m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| B   | 213m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DY  | 215m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Little Beck |
| EZ  | 215m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| 108 | 216m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| 109 | 216m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| 110 | 217m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| GF  | 218m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |



| ID  | Location | Type of water feature                               | Ground level      | Permanence  | Name        |
|-----|----------|---|-------------------|---|-------------|
| EX  | 218m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| DY  | 220m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| FZ  | 220m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| EX  | 221m NW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| FZ  | 222m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| FP  | 222m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| FU  | 222m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| 113 | 224m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Little Beck |
| EZ  | 226m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| GH  | 227m S   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |
| FZ  | 227m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| FU  | 227m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -           |
| 114 | 228m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -           |



| ID  | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|-----|----------|---|-------------------|---|------|
| 115 | 228m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GI  | 228m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GG  | 229m NW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CR  | 229m W   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EX  | 230m NW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GJ  | 231m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FS  | 231m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| GH  | 231m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FZ  | 233m SW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GF  | 235m E   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FH  | 235m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FH  | 235m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 116 | 236m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID  | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|-----|----------|---|-------------------|---|------|
| FH  | 236m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ES  | 236m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FS  | 240m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FZ  | 244m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FP  | 245m E   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FP  | 246m E   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GK  | 246m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FZ  | 247m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| GL  | 248m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GB  | 248m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GB  | 248m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| GB  | 249m S   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 117 | 249m W   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| GM | 250m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

**Records within 250m**

**173**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 158](#) >

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

**Records on site**

**4**

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 158](#) >

| ID | Location | Type  | Water body catchment      | Water body ID  | Operational catchment | Management catchment |
|----|----------|-------|---------------------------|----------------|-----------------------|----------------------|
| 48 | On site  | River | Broome Beck               | GB105034045930 | Waveney               | Broadland Rivers     |
| 49 | On site  | River | Hempnall Beck             | GB105034045720 | Yare                  | Broadland Rivers     |
| 50 | On site  | River | Chet                      | GB105034051190 | Yare                  | Broadland Rivers     |
| 51 | On site  | River | Tas (Tasburgh to R. Yare) | GB105034051230 | Yare                  | Broadland Rivers     |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 6.4 WFD Surface water bodies

### Records identified

**4**

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 158](#) >

| ID | Location | Type  | Name                      | Water body ID                    | Overall rating | Chemical rating | Ecological rating | Year |
|----|----------|-------|---------------------------|----------------------------------|----------------|-----------------|-------------------|------|
| 52 | On site  | River | Hempnall Beck             | <a href="#">GB105034045720</a> ↗ | Poor           | Fail            | Poor              | 2019 |
| -  | 727m E   | River | Broome Beck               | <a href="#">GB105034045930</a> ↗ | Moderate       | Fail            | Moderate          | 2019 |
| -  | 1530m W  | River | Tas (Tasburgh to R. Yare) | <a href="#">GB105034051230</a> ↗ | Moderate       | Fail            | Moderate          | 2019 |
| -  | 2028m NE | River | Chet                      | <a href="#">GB105034051190</a> ↗ | Poor           | Fail            | Poor              | 2019 |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 6.5 WFD Groundwater bodies

### Records on site

**1**

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 158](#) >

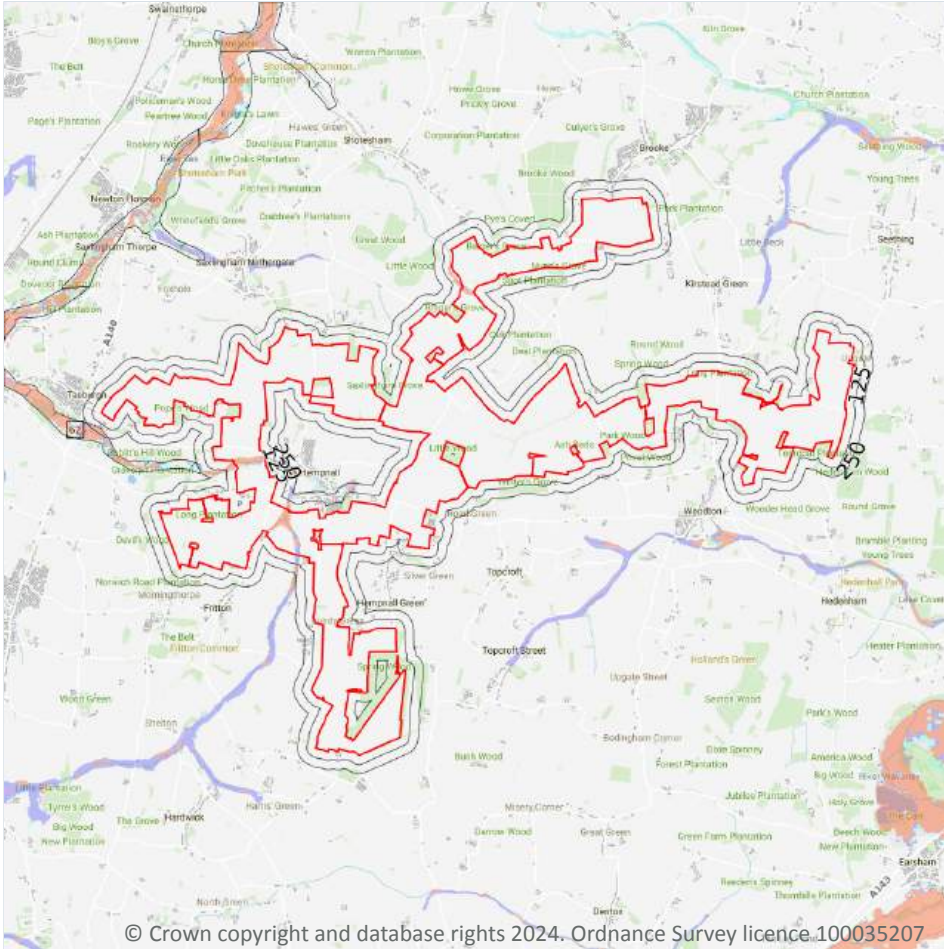
| ID | Location | Name                          | Water body ID                    | Overall rating | Chemical rating | Quantitative | Year |
|----|----------|-------------------------------|----------------------------------|----------------|-----------------|--------------|------|
| 53 | On site  | Broadland Rivers Chalk & Crag | <a href="#">GB40501G400300</a> ↗ | Poor           | Poor            | Poor         | 2019 |

*This data is sourced from the Environment Agency and Natural Resources Wales.*





## 7 River and coastal flooding



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- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

### 7.1 Risk of flooding from rivers and the sea

#### Records within 50m

61

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on [page 202 >](#)

| Distance       | Flood risk category |
|----------------|---------------------|
| <b>On site</b> | <b>High</b>         |
| 0 - 50m        | High                |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.2 Historical Flood Events

**Records within 250m**

**1**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on [page 202 >](#)

| ID | Location | Event name                   | Date of flood            | Flood source | Flood cause                                    | Type of flood |
|----|----------|------------------------------|--------------------------|--------------|--|---------------|
| 62 | 185m W   | 1968 September Flood Outline | 1968-01-12<br>1968-01-15 | Main river   | Channel capacity exceeded (no raised defences) | Fluvial       |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.3 Flood Defences

**Records within 250m**

**0**

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.4 Areas Benefiting from Flood Defences

**Records within 250m**

**0**

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7.5 Flood Storage Areas

Records within 250m

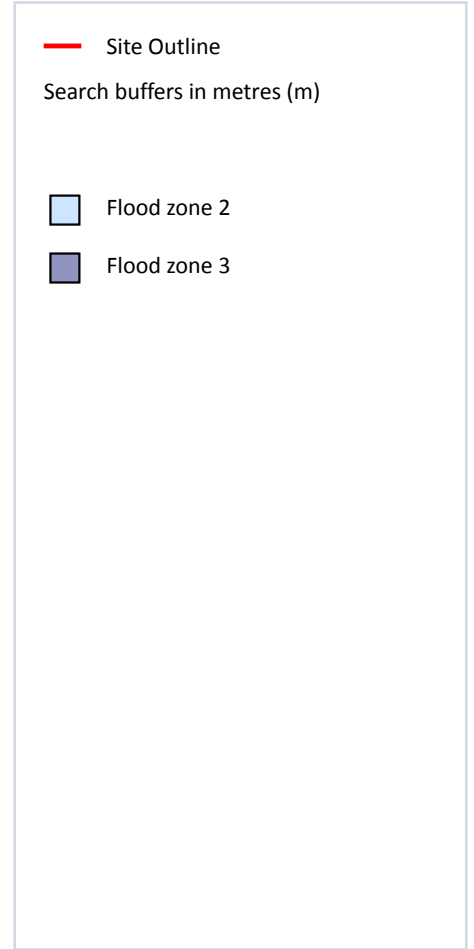
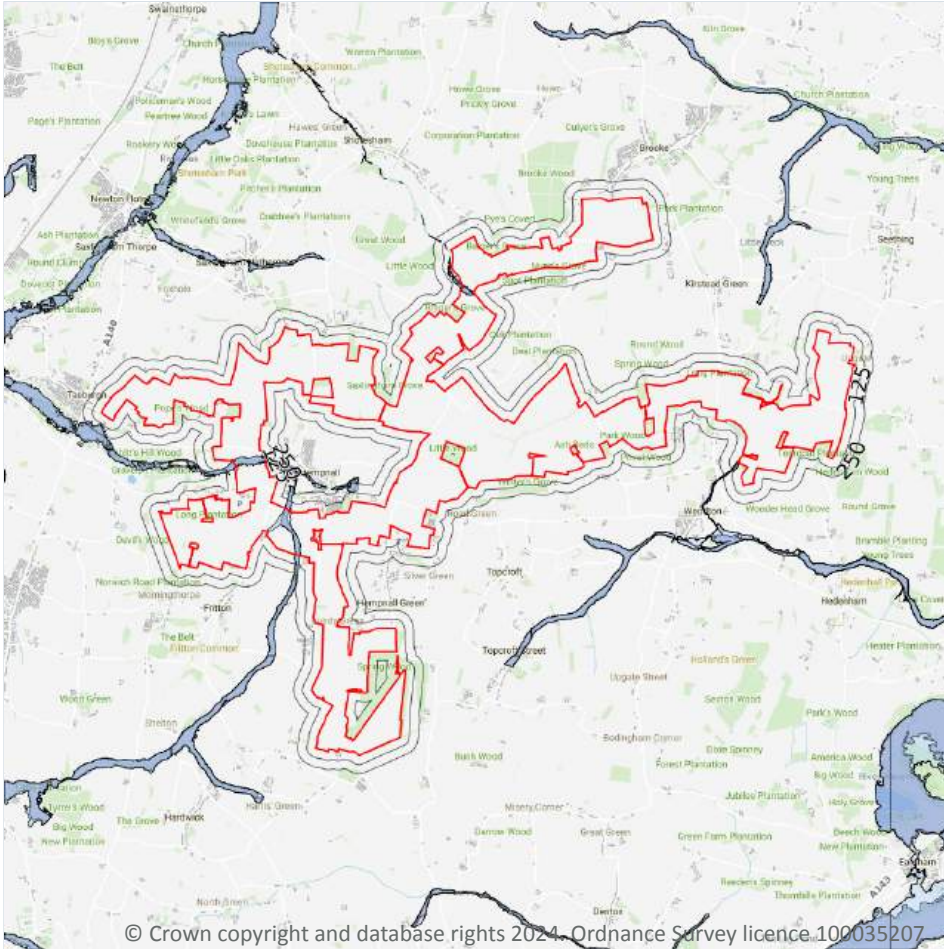
0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## River and coastal flooding - Flood Zones



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### 7.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on [page 202 >](#)

| Location | Type                             |
|----------|----------------------------------|
| On site  | Zone 2 - (Fluvial /Tidal Models) |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.7 Flood Zone 3

### Records within 50m

**1**

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

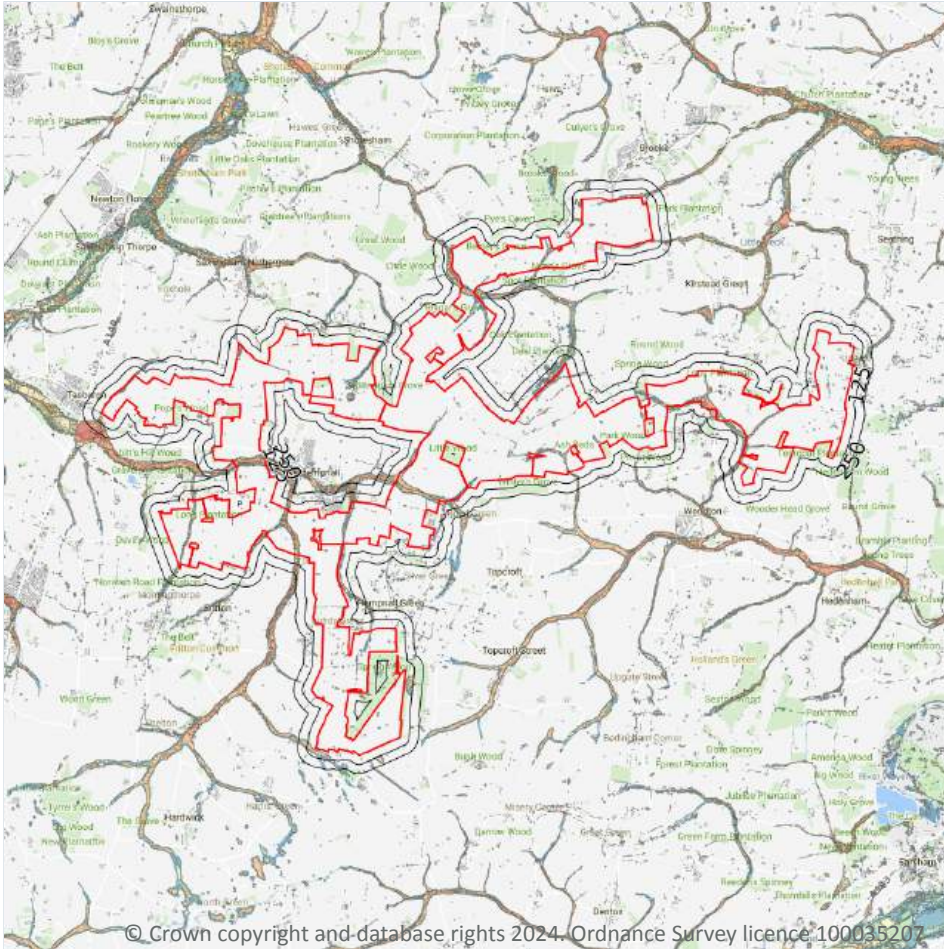
Features are displayed on the River and coastal flooding map on [page 202 >](#)

| Location | Type                      |
|----------|---------------------------|
| On site  | Zone 3 - (Fluvial Models) |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 8 Surface water flooding



### 8.1 Surface water flooding

**Highest risk on site**

**1 in 30 year, Greater than 1.0m**

**Highest risk within 50m**

**1 in 30 year, Greater than 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 207 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on

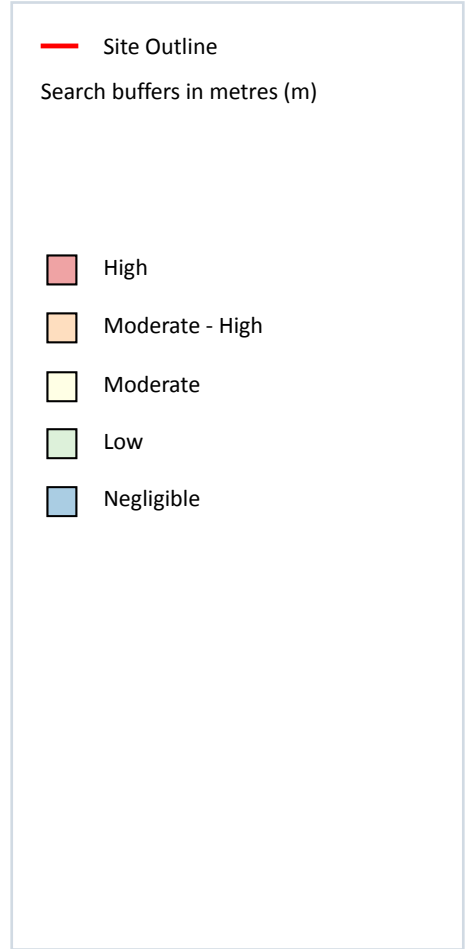
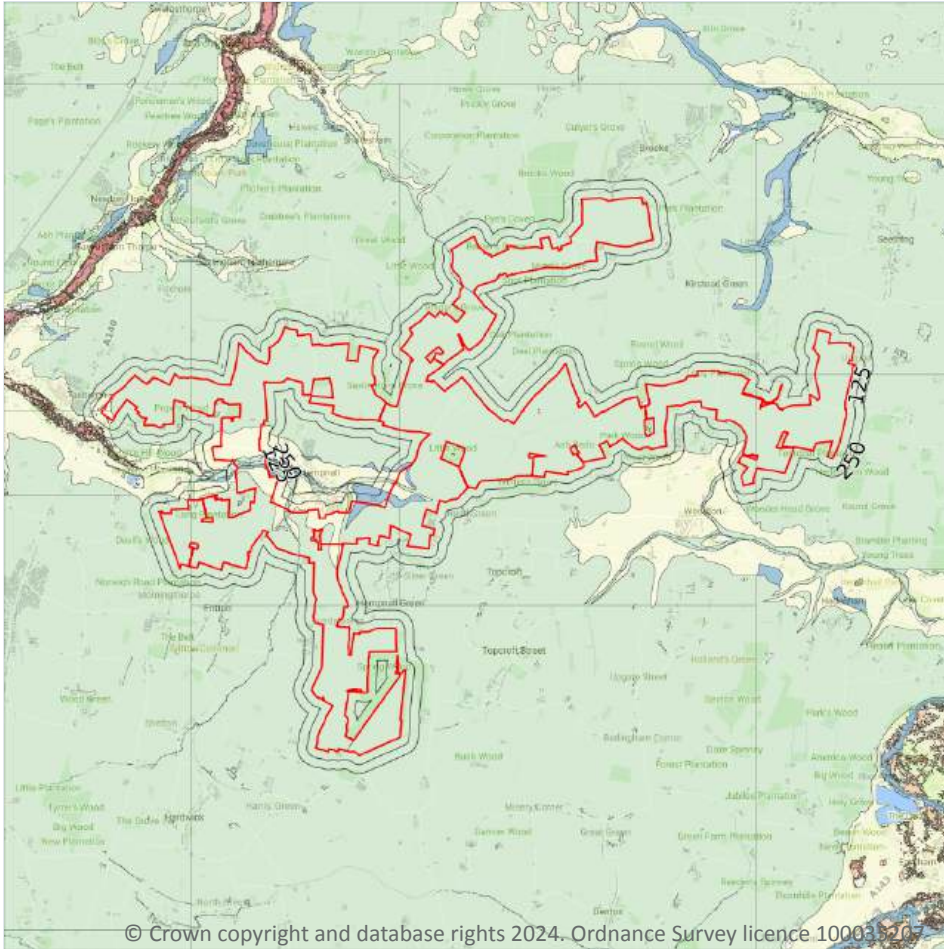
a site. The table below shows the maximum flood depths for a range of return periods for the site.

| Return period  | Maximum modelled depth |
|----------------|------------------------|
| 1 in 1000 year | Greater than 1.0m      |
| 1 in 250 year  | Greater than 1.0m      |
| 1 in 100 year  | Greater than 1.0m      |
| 1 in 30 year   | Greater than 1.0m      |

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Moderate**

**Highest risk within 50m**

**Moderate**

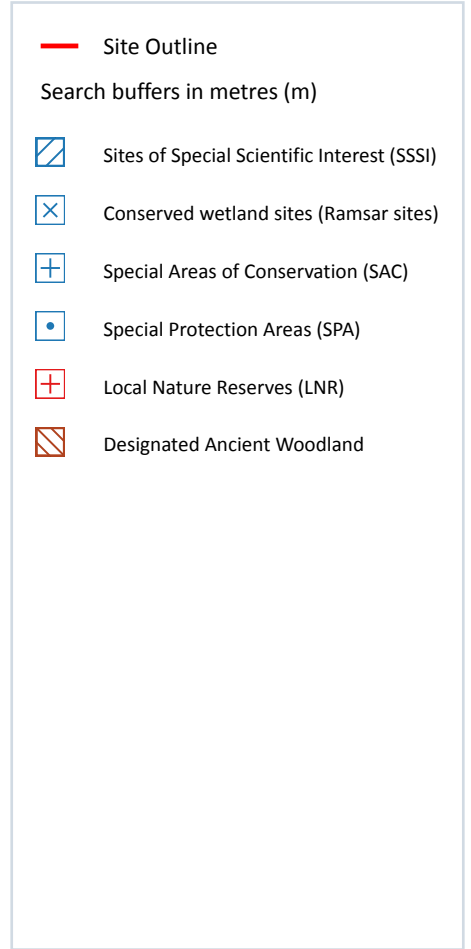
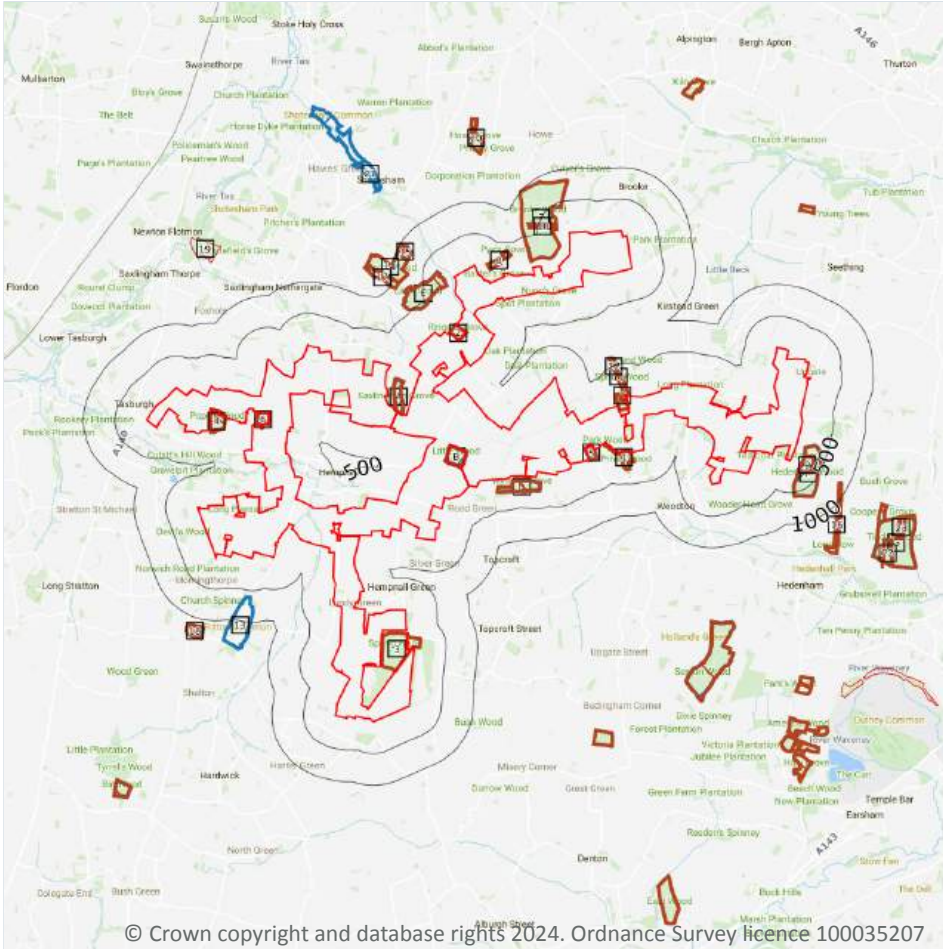
Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 209 >](#)

*This data is sourced from Ambiental Risk Analytics.*



## 10 Environmental designations



### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

8

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on [page 210 >](#)

| ID | Location | Name                             | Data source     |
|----|----------|----------------------------------|-----------------|
| A  | On site  | Shotesham-Woodton Hornbeam Woods | Natural England |



| ID | Location | Name                             | Data source     |
|----|----------|----------------------------------|-----------------|
| B  | On site  | Shotesham-Woodton Hornbeam Woods | Natural England |
| D  | 69m SE   | Shotesham-Woodton Hornbeam Woods | Natural England |
| E  | 142m N   | Shotesham-Woodton Hornbeam Woods | Natural England |
| F  | 146m E   | Hedenham Wood                    | Natural England |
| 13 | 608m SW  | Fritton Common                   | Natural England |
| G  | 1727m E  | Tindall Wood, Ditchingham        | Natural England |
| 21 | 1815m N  | Shotesham Common                 | Natural England |

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.2 Conserved wetland sites (Ramsar sites)

**Records within 2000m**

**0**

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.3 Special Areas of Conservation (SAC)

**Records within 2000m**

**0**

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.4 Special Protection Areas (SPA)

**Records within 2000m**

**0**

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



## 10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.6 Local Nature Reserves (LNR)

Records within 2000m

1

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on [page 210 >](#)

| ID | Location | Name             | Data source     |
|----|----------|------------------|-----------------|
| 19 | 1762m NW | Smockmill Common | Natural England |

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

Records within 2000m

28

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on [page 210 >](#)

| ID | Location | Name          | Woodland Type                   |
|----|----------|---------------|---------------------------------|
| 1  | On site  | Privet Wood   | Ancient & Semi-Natural Woodland |
| 2  | On site  | Ringers Grove | Ancient & Semi-Natural Woodland |
| 3  | On site  | Spring Wood   | Ancient Replanted Woodland      |
| 4  | On site  | Popes Wood    | Ancient Replanted Woodland      |
| 5  | On site  | Becketts Wood | Ancient & Semi-Natural Woodland |



| ID | Location | Name             | Woodland Type                   |
|----|----------|------------------|---------------------------------|
| 6  | On site  | Doylys Grove     | Ancient Replanted Woodland      |
| A  | On site  | Saxlingham Grove | Ancient & Semi-Natural Woodland |
| B  | On site  | Little Wood      | Ancient & Semi-Natural Woodland |
| C  | On site  | Unknown          | Ancient & Semi-Natural Woodland |
| C  | On site  | Unknown          | Ancient Replanted Woodland      |
| D  | 69m SE   | Winters Grove    | Ancient & Semi-Natural Woodland |
| 7  | 100m NE  | Brooke Wood      | Ancient Replanted Woodland      |
| E  | 142m N   | Little Wood      | Ancient & Semi-Natural Woodland |
| F  | 146m E   | Hedenham Wood    | Ancient & Semi-Natural Woodland |
| 8  | 161m N   | Green Farm Grove | Ancient & Semi-Natural Woodland |
| 9  | 182m E   | Hedenham Wood    | Ancient Replanted Woodland      |
| 10 | 208m NE  | Brooke Wood      | Ancient & Semi-Natural Woodland |
| 11 | 276m E   | Unknown          | Ancient Replanted Woodland      |
| 12 | 345m NE  | Unknown          | Ancient & Semi-Natural Woodland |
| 14 | 738m N   | Great Wood       | Ancient Replanted Woodland      |
| 15 | 778m N   | Great Wood       | Ancient & Semi-Natural Woodland |
| 16 | 856m E   | Long Row         | Ancient & Semi-Natural Woodland |
| 17 | 880m N   | Great Wood       | Ancient & Semi-Natural Woodland |
| 18 | 1118m SW | The Grove        | Ancient Replanted Woodland      |
| G  | 1609m E  | Tindall Wood     | Ancient & Semi-Natural Woodland |
| 20 | 1763m N  | Howe Grove       | Ancient Replanted Woodland      |
| 22 | 1945m E  | Tindall Wood     | Ancient Replanted Woodland      |
| 23 | 1957m E  | Tindall Wood     | Ancient Replanted Woodland      |

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



## 10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*

## 10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

## 10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*



### 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

*This data is sourced from Natural England and Natural Resources Wales.*

### 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

### 10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*

### 10.16 Nitrate Vulnerable Zones

Records within 2000m

18

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

| Location | Name              | Type          | NVZ ID | Status   |
|----------|-------------------|---------------|--------|----------|
| On site  | Hempnall Beck NVZ | Surface Water | 394    | Existing |

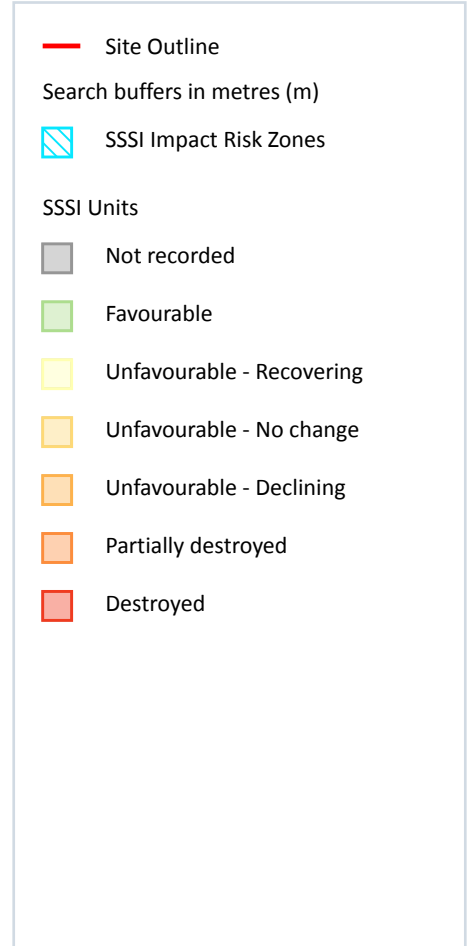
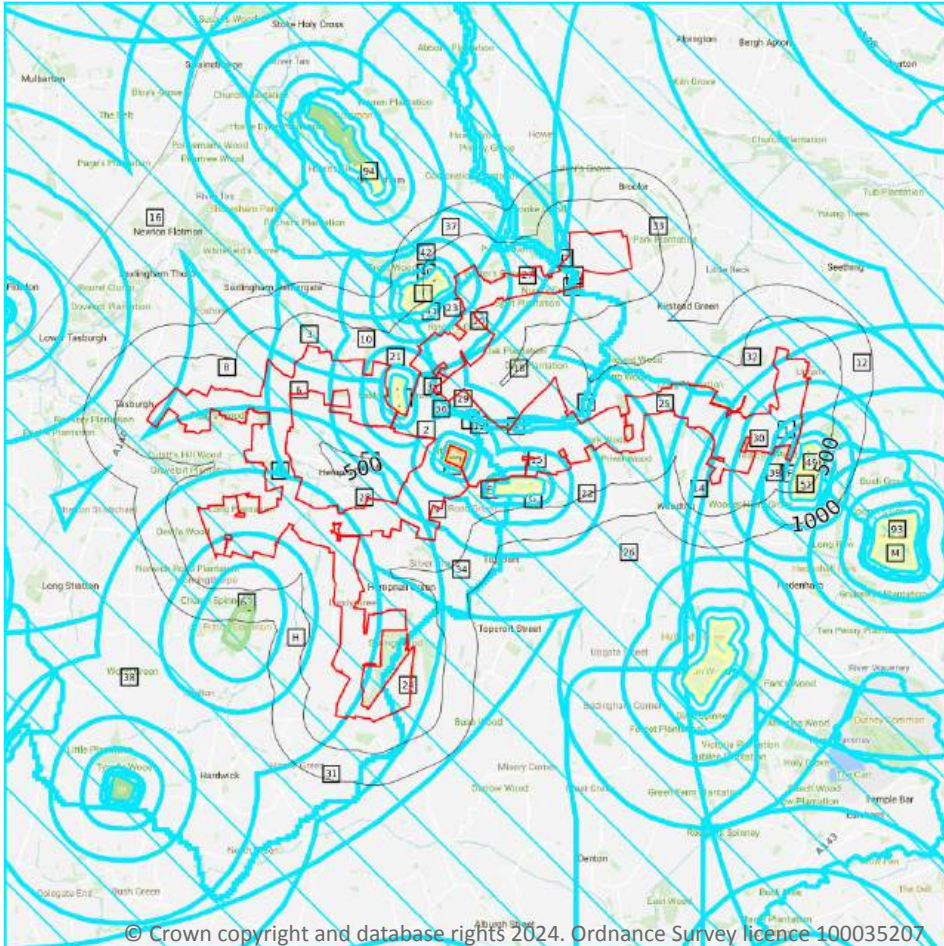


| Location | Name                     | Type          | NVZ ID | Status   |
|----------|--------------------------|---------------|--------|----------|
| On site  | Hempnall Beck NVZ        | Surface Water | 394    | Existing |
| On site  | River Waveney NVZ        | Surface Water | 396    | Existing |
| On site  | River Waveney NVZ        | Surface Water | 396    | Existing |
| On site  | River Chet NVZ           | Surface Water | 399    | Existing |
| On site  | River Chet NVZ           | Surface Water | 399    | Existing |
| On site  | River Chet NVZ           | Surface Water | 399    | Existing |
| On site  | Norwich Crag and Gravels | Groundwater   | 79     | Existing |
| On site  | Norwich Crag and Gravels | Groundwater   | 79     | Existing |
| 23m W    | Hempnall Beck NVZ        | Surface Water | 394    | Existing |
| 80m N    | Hempnall Beck NVZ        | Surface Water | 394    | Existing |
| 114m E   | River Chet NVZ           | Surface Water | 399    | Existing |
| 718m W   | Hempnall Beck NVZ        | Surface Water | 394    | Existing |
| 775m S   | River Waveney NVZ        | Surface Water | 396    | Existing |
| 870m S   | Hempnall Beck NVZ        | Surface Water | 394    | Existing |
| 1535m W  | Tas NVZ                  | Surface Water | 395    | Existing |
| 1585m W  | Tas NVZ                  | Surface Water | 395    | Existing |
| 1612m S  | Hempnall Beck NVZ        | Surface Water | 394    | Existing |

*This data is sourced from Natural England and Natural Resources Wales.*



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

Records on site

55

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 217 >](#)



| ID | Location | Type of developments requiring consultation   |
|----|----------|---|
| 1  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p> |
| 2  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>  |



| ID | Location | Type of developments requiring consultation   |
|----|----------|---|
| 3  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |
| 4  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>   |



| ID | Location | Type of developments requiring consultation  |
|----|----------|--|
| 5  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t.</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>   |
| 6  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |



| ID | Location | Type of developments requiring consultation   |
|----|----------|---|
| 7  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |
| 8  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t).</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>  |



| ID | Location | Type of developments requiring consultation   |
|----|----------|---|
| 9  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>   |
| 10 | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |



| ID | Location | Type of developments requiring consultation   |
|----|----------|---|
| 11 | On site  | <p><b>Infrastructure - Airports, helipads and other aviation proposals.</b></p> <p><b>Residential - Residential development of 50 units or more.</b></p> <p><b>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</b></p> <p><b>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</b></p> <p><b>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</b></p> <p><b>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</b></p> <p><b>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</b></p>  |
| 12 | On site  | <p><b>Infrastructure - Airports, helipads and other aviation proposals.</b></p> <p><b>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</b></p> <p><b>Residential - Residential development of 50 units or more.</b></p> <p><b>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</b></p> <p><b>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</b></p> <p><b>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</b></p> <p><b>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</b></p> <p><b>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</b></p> |



| ID | Location | Type of developments requiring consultation   |
|----|----------|---|
| 13 | On site  | <p><b>Infrastructure - Airports, helipads and other aviation proposals.</b></p> <p><b>Residential - Residential development of 50 units or more.</b></p> <p><b>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</b></p> <p><b>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</b></p> <p><b>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</b></p> <p><b>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</b></p> <p><b>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</b></p>  |
| 14 | On site  | <p><b>Infrastructure - Airports, helipads and other aviation proposals.</b></p> <p><b>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</b></p> <p><b>Residential - Residential development of 50 units or more.</b></p> <p><b>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</b></p> <p><b>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</b></p> <p><b>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</b></p> <p><b>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</b></p> |

| ID | Location | Type of developments requiring consultation  |
|----|----------|--|
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| 36 | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>   |
| 37 | On site  | <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m<sup>2</sup> or more.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |



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| 38 | On site  | <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m<sup>2</sup> or more.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |
| 39 | On site  | <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m<sup>2</sup> or more.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>   |



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| 41 | On site  | <p><b>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</b></p> <p><b>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</b></p> <p><b>Residential - Residential development of 50 units or more.</b></p> <p><b>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</b></p> <p><b>Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</b></p> <p><b>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</b></p> <p><b>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Discharges - Any discharge of water or liquid waste of more than 5m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</b></p> <p><b>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England’s Nutrient Neutrality advice.</b></p> |



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| A  | On site  | <p>All applications - ALL PLANNING APPLICATIONS - EXCEPT HOUSEHOLDER APPLICATIONS.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>  |
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| B  | On site  | <p>All applications - ALL PLANNING APPLICATIONS - EXCEPT HOUSEHOLDER APPLICATIONS.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>  |
| B  | On site  | <p>All applications - ALL PLANNING APPLICATIONS.</p>   |



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| C  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause AIR POLLUTION (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>   |



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| D  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>  |





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| F  | On site  | <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m<sup>2</sup> or more.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p> |



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| H  | On site  | <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |

*This data is sourced from Natural England.*



## 10.18 SSSI Units

### Records within 2000m

**11**

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on [page 217 >](#)

ID: A  
 Location: On site  
 SSSI name: Shotesham-Woodton Hornbeam Woods  
 Unit name: Saxlingham Grove  
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

| Feature name                     | Feature condition         | Date of assessment |
|----------------------------------|---------------------------|--------------------|
| Lowland mixed deciduous woodland | Unfavourable - Recovering | 04/06/2013         |

ID: B  
 Location: On site  
 SSSI name: Shotesham-Woodton Hornbeam Woods  
 Unit name: Hempnall Little Wood  
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

| Feature name                     | Feature condition        | Date of assessment |
|----------------------------------|--------------------------|--------------------|
| Lowland mixed deciduous woodland | Unfavourable - No change | 15/04/2014         |

ID: G  
 Location: 69m SE  
 SSSI name: Shotesham-Woodton Hornbeam Woods  
 Unit name: Winter Grove  
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

| Feature name                     | Feature condition         | Date of assessment |
|----------------------------------|---------------------------|--------------------|
| Lowland mixed deciduous woodland | Unfavourable - Recovering | 01/10/2010         |



ID: I  
Location: 142m N  
SSSI name: Shotesham-Woodton Hornbeam Woods  
Unit name: Shotesham Little Wood  
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
Condition: Unfavourable - Recovering  
Reportable features:

| Feature name                     | Feature condition         | Date of assessment |
|----------------------------------|---------------------------|--------------------|
| Lowland mixed deciduous woodland | Unfavourable - Recovering | 01/10/2010         |

ID: 49  
Location: 146m E  
SSSI name: Hedenham Wood  
Unit name: 1  
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
Condition: Unfavourable - Recovering  
Reportable features:

| Feature name                     | Feature condition         | Date of assessment |
|----------------------------------|---------------------------|--------------------|
| Lowland mixed deciduous woodland | Unfavourable - Recovering | 01/10/2010         |

ID: 51  
Location: 214m E  
SSSI name: Hedenham Wood  
Unit name: 2  
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
Condition: Unfavourable - Recovering  
Reportable features:

| Feature name                     | Feature condition         | Date of assessment |
|----------------------------------|---------------------------|--------------------|
| Lowland mixed deciduous woodland | Unfavourable - Recovering | 01/10/2010         |

ID: 62  
Location: 608m SW  
SSSI name: Fritton Common  
Unit name: Neutral Grassland  
Broad habitat: Neutral Grassland - Lowland  
Condition: Favourable  
Reportable features:



| Feature name                    | Feature condition | Date of assessment |
|---------------------------------|-------------------|--------------------|
| Lowland neutral grassland (MG5) | Favourable        | 08/03/2011         |

ID: H  
 Location: 726m SW  
 SSSI name: Fritton Common  
 Unit name: Acid Grassland  
 Broad habitat: Acid Grassland - Lowland  
 Condition: Favourable  
 Reportable features:

| Feature name                           | Feature condition | Date of assessment |
|--|-------------------|--------------------|
| Great Crested Newt, Triturus cristatus | Favourable        | 08/03/2011         |
| Lowland dry acid grassland (U4/20)     | Favourable        | 08/03/2011         |
| Lowland neutral grassland (MG5)        | Favourable        | 08/03/2011         |

ID: 93  
 Location: 1727m E  
 SSSI name: Tindall Wood, Ditchingham  
 Unit name: Tindall Wood North  
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

| Feature name                     | Feature condition         | Date of assessment |
|----------------------------------|---------------------------|--------------------|
| Lowland mixed deciduous woodland | Unfavourable - Recovering | 01/10/2010         |

ID: 94  
 Location: 1815m N  
 SSSI name: Shotesham Common  
 Unit name: Shotesham Church End  
 Broad habitat: Neutral Grassland - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

| Feature name                            | Feature condition         | Date of assessment |
|---|---------------------------|--------------------|
| Lowland mire grassland and rush pasture | Unfavourable - Recovering | 08/03/2011         |
| Lowland neutral grassland (MG5)         | Unfavourable - Recovering | 08/03/2011         |



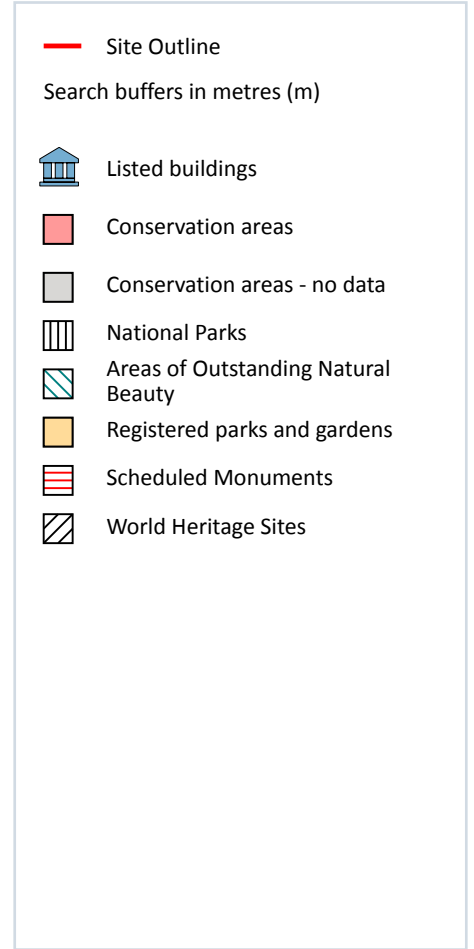
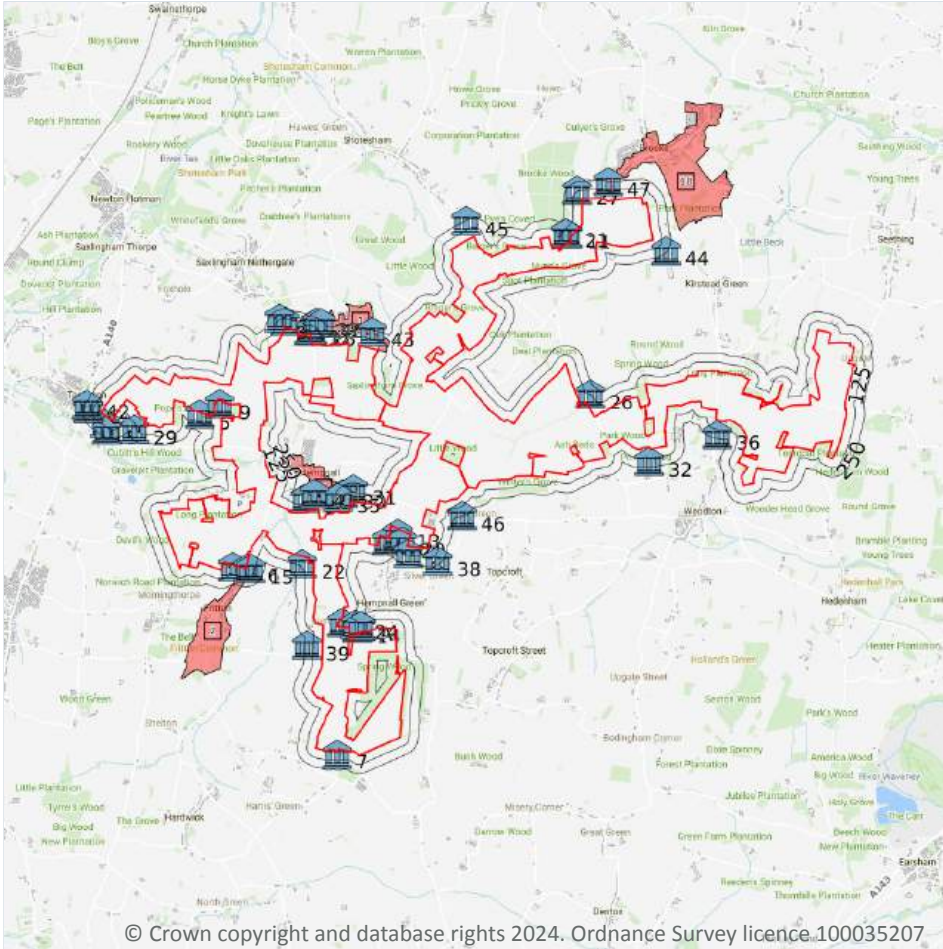
ID: M  
Location: 1858m E  
SSSI name: Tindall Wood, Ditchingham  
Unit name: Tindal Wood South  
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
Condition: Unfavourable - Recovering  
Reportable features:

| Feature name                     | Feature condition         | Date of assessment |
|----------------------------------|---------------------------|--------------------|
| Lowland mixed deciduous woodland | Unfavourable - Recovering | 01/10/2010         |

*This data is sourced from Natural England and Natural Resources Wales.*



## 11 Visual and cultural designations



### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

## 11.4 Listed Buildings

Records within 250m

50

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on [page 248 >](#)

| ID | Location | Name  | Grade | Reference Number | Listed date |
|----|----------|---|-------|------------------|-------------|
| 4  | 22m SW   | Church Of St Catherine                          | I     | 1373281          | 07/12/1959  |
| 5  | 30m W    | Wood Farmhouse                                  | II    | 1373238          | 26/06/1981  |
| 6  | 31m SW   | Barn Immediately North-West Of Church Farmhouse | II    | 1050260          | 26/06/1981  |
| 7  | 35m S    | Grange Farmhouse                                | II    | 1373387          | 26/06/1981  |
| 8  | 35m SW   | Hempnall House                                  | II    | 1262145          | 24/07/1992  |
| 9  | 44m W    | Grove Farmhouse                                 | II    | 1050330          | 26/06/1981  |





| ID | Location | Name   | Grade | Reference Number | Listed date |
|----|----------|--|-------|------------------|-------------|
| 10 | 46m SW   | Villa Farmhouse  | II    | 1050332          | 26/06/1981  |
| 11 | 52m NE   | Barn At Oldhouse Farm  | II    | 1051155          | 18/02/1991  |
| 12 | 56m NW   | Manor Cottage  | II    | 1373079          | 02/12/1983  |
| 13 | 58m SW   | Poacher's Cottage  | II    | 1153291          | 26/06/1981  |
| 14 | 62m SW   | Townhouse Farmhouse  | II    | 1153325          | 26/06/1981  |
| 15 | 64m SW   | Church Farmhouse   | II    | 1050259          | 26/06/1981  |
| 16 | 64m NW   | Manor Farmhouse Barn   | II    | 1152344          | 02/10/1951  |
| 17 | 71m NW   | Manor Farmhouse  | II    | 1050675          | 02/10/1951  |
| A  | 84m SW   | Barn And Stable Range Adjoining Three Feathers To The South-West | II    | 1050334          | 26/06/1981  |
| A  | 85m SW   | Rose Cottage   | II    | 1304365          | 26/06/1981  |
| 19 | 85m NW   | Hill Cottages  | II    | 1373062          | 02/12/1983  |
| 20 | 85m SW   | The Firs   | II    | 1373239          | 26/06/1981  |
| 21 | 86m NE   | Oldhouse Farmhouse   | II    | 1372864          | 25/09/1951  |
| 22 | 89m SW   | Bush Farmhouse   | II    | 1050331          | 26/06/1981  |
| 23 | 92m S    | The Haven  | II    | 1304384          | 26/06/1981  |
| 24 | 92m SW   | Chestnuts Farmhouse  | II    | 1373241          | 26/06/1981  |
| A  | 95m SW   | Three Feathers   | II    | 1153315          | 26/06/1981  |
| 25 | 98m W    | Former Quaker Meeting House                                      | II    | 1178892          | 26/06/1981  |
| 26 | 133m E   | Oaks Farmhouse   | II*   | 1170906          | 25/09/1960  |
| B  | 144m W   | Meadow View  | II    | 1373385          | 26/06/1981  |
| 27 | 145m NE  | Waterfield Cottage   | II    | 1372865          | 05/09/1960  |
| 28 | 146m NW  | Hill House   | II    | 1152265          | 26/11/1959  |
| 29 | 148m W   | Limetree Farmhouse   | II    | 1304378          | 26/06/1981  |
| B  | 156m W   | Barn And Stables Immediately South Of Meadow View                | II    | 1179050          | 26/06/1981  |
| 30 | 162m SW  | Willow House   | II    | 1373235          | 26/06/1981  |
| 31 | 168m SW  | House Occupied By Miss Tye                                       | II    | 1050327          | 26/06/1981  |
| 32 | 168m E   | Woodton Park House   | II    | 1245289          | 10/01/1996  |
| 33 | 170m NW  | Queen Margaret Cottage   | II    | 1152339          | 02/12/1983  |



| ID | Location | Name  | Grade | Reference Number | Listed date |
|----|----------|---|-------|------------------|-------------|
| 34 | 175m W   | Disused Windmill (Now Part Of Hempnall Mill Centre) | II    | 1050338          | 26/06/1981  |
| C  | 182m W   | Barn Immediately East Of Tramp's Hall               | II    | 1050048          | 26/06/1981  |
| 35 | 192m SW  | The Willows   | II    | 1153209          | 26/06/1981  |
| 36 | 194m E   | Beulah Barn   | II    | 1305841          | 30/04/1986  |
| C  | 198m W   | Tramp's Hall  | II    | 1302215          | 26/06/1981  |
| 37 | 201m NW  | Orchard Cottage                                     | II    | 1373082          | 02/12/1983  |
| 38 | 210m S   | Silver Green Farmhouse                              | II    | 1373260          | 26/06/1981  |
| 39 | 217m SW  | Grange Farmhouse                                    | II    | 1050335          | 26/06/1981  |
| 40 | 225m NW  | Green Farmhouse                                     | II    | 1304805          | 02/12/1983  |
| 41 | 225m W   | Cottleston  | II    | 1050337          | 26/06/1981  |
| 42 | 231m W   | Hill Farmhouse                                      | II    | 1050016          | 26/06/1981  |
| 43 | 232m NW  | Holly Cottage                                       | II    | 1373081          | 02/12/1983  |
| 44 | 234m NE  | Littlebeck Farmhouse                                | II    | 1051154          | 18/02/1991  |
| 45 | 241m N   | Uppgate Green Farmhouse                             | II    | 1050681          | 02/12/1983  |
| 46 | 243m S   | Moat Farmhouse                                      | II    | 1050297          | 26/06/1981  |
| 47 | 244m NE  | 66, High Green                                      | II    | 1051160          | 18/02/1991  |

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

## 11.5 Conservation Areas

### Records within 250m

4

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

Features are displayed on the Visual and cultural designations map on [page 248](#) >

| ID | Location | Name                           | District      | Date of designation |
|----|----------|--------------------------------|---------------|---------------------|
| 1  | On site  | Saxlingham Green               | South Norfolk | 1976                |
| 2  | On site  | Fritton Common (Morningthorpe) | South Norfolk | 1976                |



| ID | Location | Name     | District      | Date of designation |
|----|----------|----------|---------------|---------------------|
| 3  | 13m SW   | Hempnall | South Norfolk | unknown             |
| 18 | 81m NE   | Brooke   | South Norfolk | 1975                |

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

Records within 250m

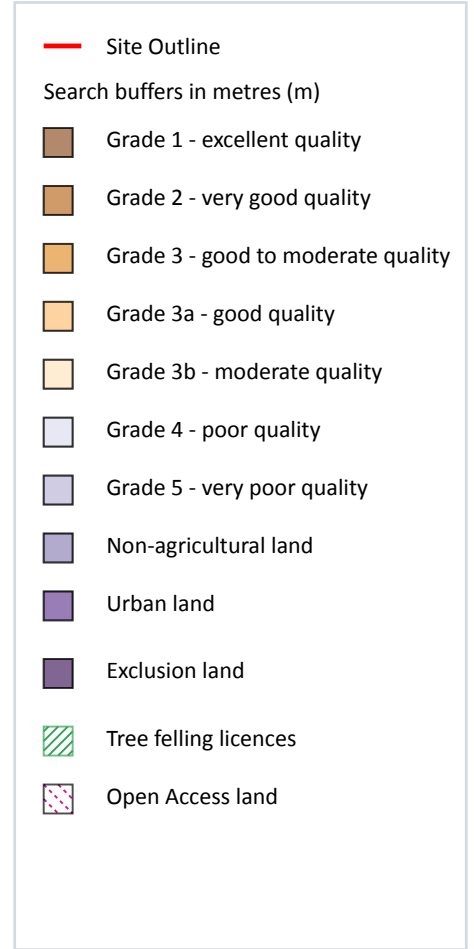
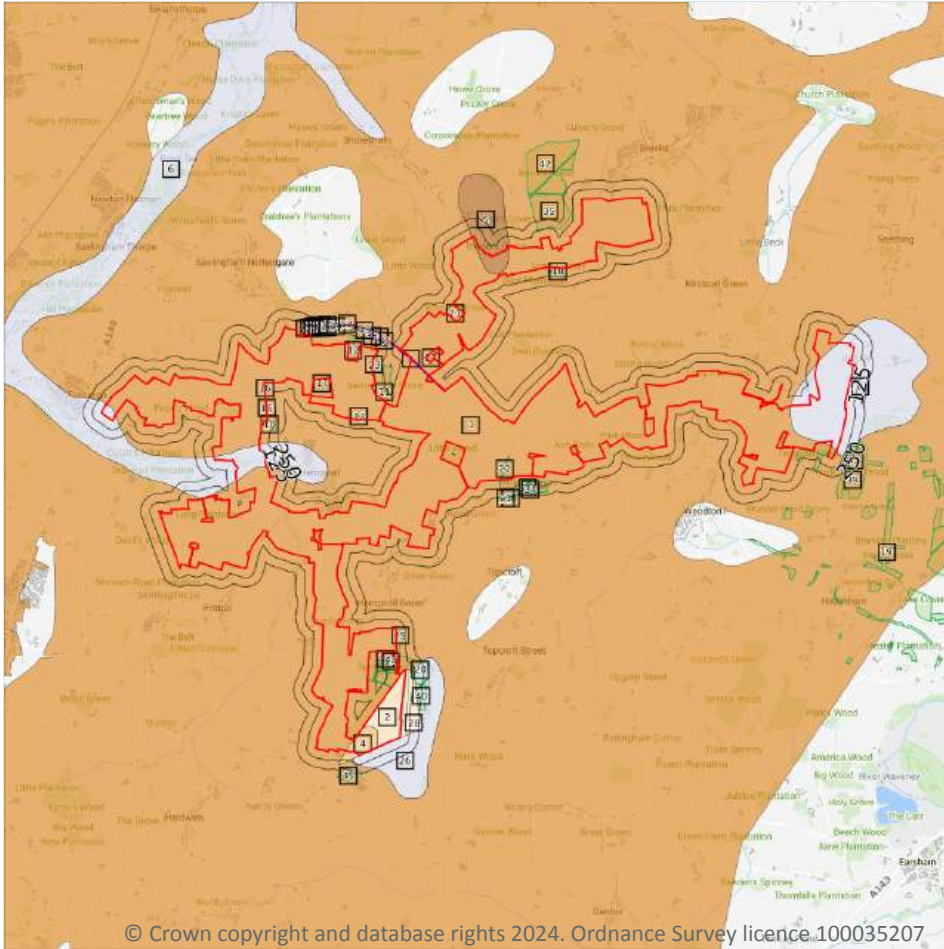
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 12 Agricultural designations



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### 12.1 Agricultural Land Classification

Records within 250m

8

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 253](#) >

| ID | Location | Classification | Description   |
|----|----------|----------------|---|
| 1  | On site  | Grade 3        | Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2. |

| ID | Location | Classification | Description  |
|----|----------|----------------|--|
| 2  | On site  | Grade 3b       | Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.  |
| 4  | On site  | Grade 3a       | Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.   |
| 5  | On site  | Grade 2        | Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1. |
| 6  | On site  | Grade 4        | Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.   |
| 7  | On site  | Grade 4        | Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.   |
| 26 | 7m S     | Grade 4        | Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.   |
| 28 | 49m S    | Grade 3b       | Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.  |

*This data is sourced from Natural England.*

## 12.2 Open Access Land

Records within 250m

18

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on [page 253 >](#)



| ID       | Location       | Name                    | Classification                                     | Other relevant legislation |
|----------|----------------|-------------------------|--|----------------------------|
| <b>8</b> | <b>On site</b> | <b>Saxlingham Green</b> | <b>Section 4 Conclusive Registered Common Land</b> | -                          |
| <b>9</b> | <b>On site</b> | <b>Saxlingham Green</b> | <b>Section 4 Conclusive Registered Common Land</b> | -                          |
| A        | 79m NW         | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 30       | 81m NW         | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 31       | 94m NW         | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| A        | 95m NW         | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 32       | 95m NW         | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 33       | 97m NW         | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 36       | 104m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 37       | 130m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 38       | 138m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 41       | 174m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 43       | 190m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 44       | 198m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 46       | 218m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 48       | 227m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 49       | 230m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |
| 52       | 245m NW        | Saxlingham Green        | Section 4 Conclusive Registered Common Land        | -                          |

*This data is sourced from Natural England and Natural Resources Wales.*

## 12.3 Tree Felling Licences

**Records within 250m**

**27**

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on [page 253 >](#)

| ID        | Location       | Description                              | Reference           | Application date  |
|-----------|----------------|--|---------------------|-------------------|
| <b>10</b> | <b>On site</b> | <b>Clear Fell (Conditional)</b>          | <b>017/59/14-15</b> | <b>08/07/2014</b> |
| <b>11</b> | <b>On site</b> | <b>Selective Fell/Thin (Conditional)</b> | <b>017/47/16-17</b> | <b>24/06/2016</b> |



| ID | Location | Description                         | Reference     | Application date |
|----|----------|-------------------------------------|---------------|------------------|
| 12 | On site  | Selective Fell/Thin (Conditional)   | 017/47/16-17  | 24/06/2016       |
| 13 | On site  | Selective Fell/Thin (Conditional)   | 017/47/16-17  | 24/06/2016       |
| 14 | On site  | Selective Fell/Thin (Conditional)   | 017/52/05-06  | 14/09/2005       |
| 15 | On site  | Selective Fell/Thin (Conditional)   | 017/59/14-15  | 08/07/2014       |
| 16 | On site  | Selective Fell/Thin (Conditional)   | 017/59/14-15  | 08/07/2014       |
| 17 | On site  | Selective Fell/Thin (Conditional)   | 017/59/14-15  | 08/07/2014       |
| 18 | On site  | Selective Fell/Thin (Unconditional) | 017/321/06-07 | 23/04/2007       |
| 19 | On site  | Selective Fell/Thin (Unconditional) | 017/41/08-09  | 02/06/2008       |
| 20 | On site  | Selective Fell/Thin (Unconditional) | 017/548/14-15 | 13/03/2015       |
| 21 | On site  | Selective Fell/Thin (Unconditional) | 017/635/16-17 | 07/02/2017       |
| 22 | On site  | Clear Fell (Conditional)            | 017/652/16-17 | -                |
| 23 | 1m NW    | Selective Fell/Thin (Conditional)   | 017/47/16-17  | 24/06/2016       |
| 24 | 2m S     | Clear Fell (Conditional)            | 017/52/05-06  | 14/09/2005       |
| 25 | 6m S     | Clear Fell (Conditional)            | 017/424/14-15 | 06/02/2015       |
| 27 | 18m N    | Selective Fell/Thin (Conditional)   | 017/47/16-17  | 24/06/2016       |
| 29 | 69m SE   | Selective Fell/Thin (Conditional)   | 017/647/17-18 | -                |
| 34 | 100m SE  | Selective Fell/Thin (Conditional)   | 017/279/08-09 | 29/09/2009       |
| 35 | 100m NE  | Selective Fell/Thin (Unconditional) | 017/252/04-05 | 23/03/2005       |
| 39 | 143m E   | Selective Fell/Thin (Unconditional) | 017/96/12-13  | 13/08/2012       |
| 40 | 159m S   | Selective Fell/Thin (Unconditional) | 017/117/14-15 | 16/06/2014       |
| 42 | 183m E   | Selective Fell/Thin (Unconditional) | 017/318/10-11 | 30/03/2011       |
| 45 | 212m S   | Selective Fell/Thin (Unconditional) | 017/253/15-16 | 05/11/2015       |
| 47 | 226m NE  | Selective Fell/Thin (Unconditional) | 017/89/07-08  | 10/08/2007       |
| 50 | 235m SE  | Selective Fell/Thin (Conditional)   | 017/279/08-09 | 29/09/2009       |
| 51 | 235m SE  | Selective Fell/Thin (Conditional)   | 017/647/17-18 | -                |

*This data is sourced from the Forestry Commission.*



## 12.4 Environmental Stewardship Schemes

Records within 250m

15

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

| Location | Reference  | Scheme                                    | Start Date | End date   |
|----------|------------|---|------------|------------|
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00591635 | Entry Level plus Higher Level Stewardship | 01/10/2014 | 30/09/2024 |
| On site  | AG00591635 | Entry Level plus Higher Level Stewardship | 01/10/2014 | 30/09/2024 |
| On site  | AG00273008 | Entry Level plus Higher Level Stewardship | 01/11/2008 | 31/10/2018 |
| On site  | AG00393804 | Entry Level plus Higher Level Stewardship | 01/05/2012 | 30/04/2022 |
| On site  | AG00511412 | Entry Level Stewardship                   | 01/10/2013 | 30/09/2018 |
| On site  | AG00511412 | Entry Level Stewardship                   | 01/10/2013 | 30/09/2018 |
| On site  | AG00554591 | Entry Level plus Higher Level Stewardship | 01/12/2012 | 30/11/2022 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| 7m E     | AG00393804 | Entry Level plus Higher Level Stewardship | 01/05/2012 | 30/04/2022 |
| 117m E   | AG00422941 | Entry Level plus Higher Level Stewardship | 01/10/2013 | 30/09/2023 |

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

Records within 250m

81

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

| Location | Reference | Scheme                                | Start Date | End Date   |
|----------|-----------|---------------------------------------|------------|------------|
| On site  | 1056645   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |





| Location | Reference | Scheme                                | Start Date | End Date   |
|----------|-----------|---------------------------------------|------------|------------|
| On site  | 1056645   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1453668   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| On site  | 1269774   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1269774   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1459280   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| On site  | 1643166   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1643166   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1643166   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1643166   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1256682   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1256682   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1256682   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1256682   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1271726   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1270979   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1270979   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1270979   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 829633    | Countryside Stewardship (Middle Tier) | 01/01/2020 | 31/12/2024 |
| On site  | 829633    | Countryside Stewardship (Middle Tier) | 01/01/2020 | 31/12/2024 |
| On site  | 829633    | Countryside Stewardship (Middle Tier) | 01/01/2020 | 31/12/2024 |
| On site  | 829633    | Countryside Stewardship (Middle Tier) | 01/01/2020 | 31/12/2024 |



| Location | Reference | Scheme                                | Start Date | End Date   |
|----------|-----------|---------------------------------------|------------|------------|
| On site  | 829633    | Countryside Stewardship (Middle Tier) | 01/01/2020 | 31/12/2024 |
| On site  | 1664396   | Countryside Stewardship (Higher Tier) | 01/12/2023 | 30/11/2026 |
| On site  | 1664396   | Countryside Stewardship (Higher Tier) | 01/12/2023 | 30/11/2026 |
| On site  | 1664396   | Countryside Stewardship (Higher Tier) | 01/12/2023 | 30/11/2026 |
| On site  | 1032108   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1032108   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1032108   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1032108   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1641335   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1641335   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1446760   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| On site  | 1640155   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1486737   | Countryside Stewardship (Higher Tier) | 01/01/2023 | 31/12/2032 |
| On site  | 1269437   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| On site  | 1455715   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| On site  | 1455715   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| On site  | 1455715   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| On site  | 1455715   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| On site  | 1643663   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1422058   | Countryside Stewardship (Higher Tier) | 01/01/2023 | 31/12/2032 |
| On site  | 1049158   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1049158   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1416892   | Countryside Stewardship (Higher Tier) | 01/04/2023 | 31/03/2025 |
| 5m SW    | 829633    | Countryside Stewardship (Middle Tier) | 01/01/2020 | 31/12/2024 |
| 5m N     | 1056645   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 5m N     | 1664396   | Countryside Stewardship (Higher Tier) | 01/12/2023 | 30/11/2026 |
| 6m N     | 1640155   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| 7m E     | 1422058   | Countryside Stewardship (Higher Tier) | 01/01/2023 | 31/12/2032 |

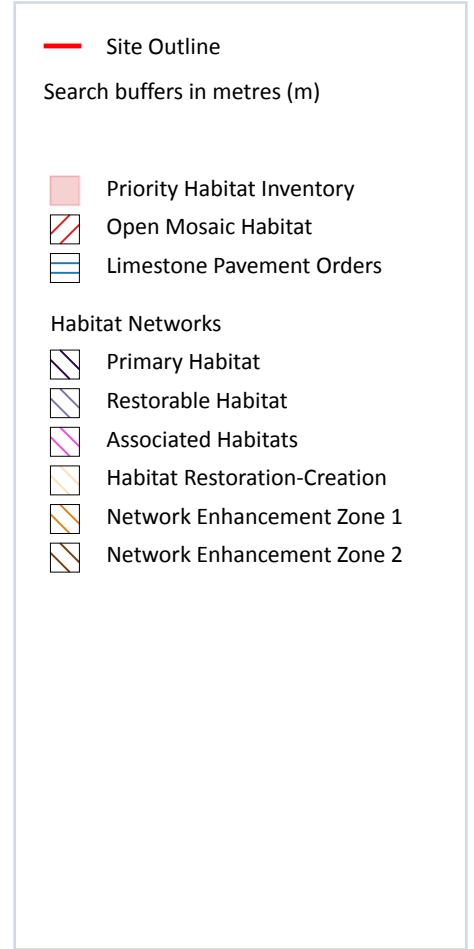
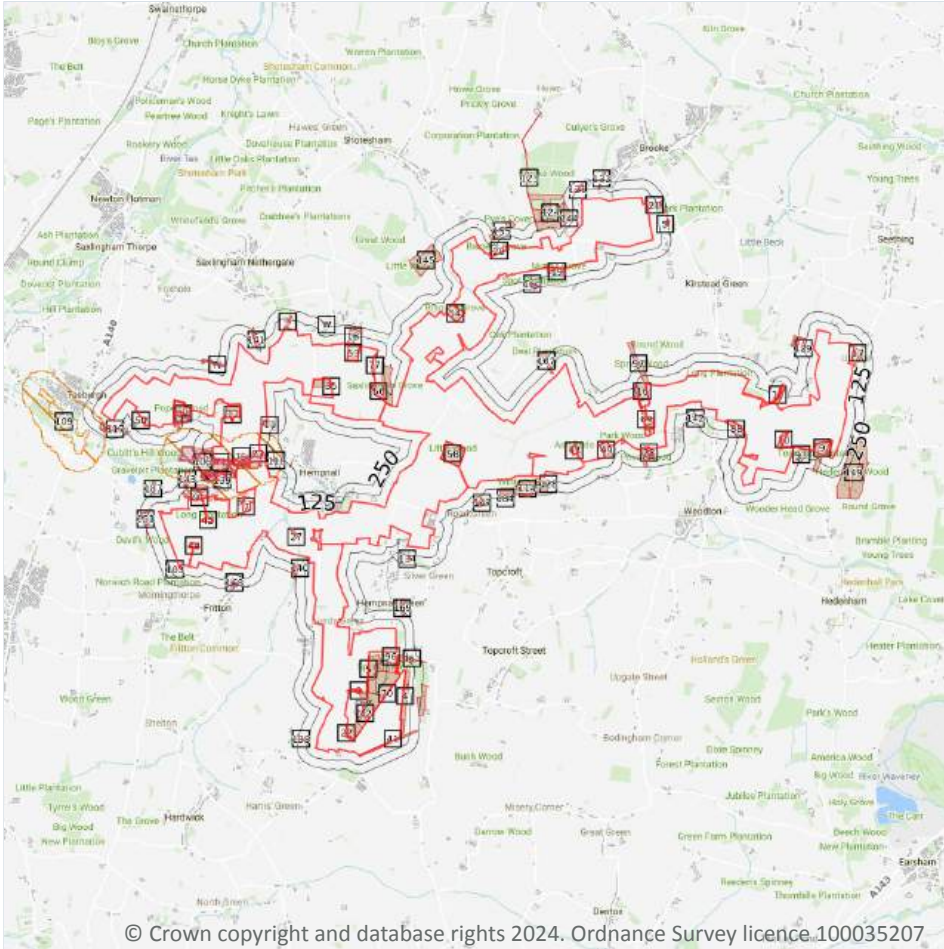


| Location | Reference | Scheme                                | Start Date | End Date   |
|----------|-----------|---------------------------------------|------------|------------|
| 9m E     | 1054612   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 11m E    | 1030950   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 11m N    | 1054612   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 20m N    | 1641962   | Countryside Stewardship (Higher Tier) | 01/10/2023 | 30/09/2026 |
| 30m N    | 1032108   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 35m E    | 1643166   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| 41m NE   | 1032108   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 42m E    | 1270979   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| 52m NE   | 1032108   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 57m N    | 1640155   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| 59m W    | 1643663   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| 69m SE   | 809689    | Countryside Stewardship (Higher Tier) | 01/01/2020 | 31/12/2024 |
| 83m W    | 1643663   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| 116m E   | 1648584   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| 120m W   | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| 126m SW  | 1269437   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| 132m E   | 1453668   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| 153m S   | 951197    | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 164m E   | 1643166   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| 192m NW  | 1455715   | Countryside Stewardship (Middle Tier) | 01/01/2023 | 31/12/2027 |
| 194m E   | 1487465   | Countryside Stewardship (Higher Tier) | 01/06/2023 | 31/05/2026 |
| 224m NE  | 1264372   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |
| 231m NE  | 1032108   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 235m SE  | 809689    | Countryside Stewardship (Higher Tier) | 01/01/2020 | 31/12/2024 |

*This data is sourced from Natural England.*



## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

240

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on [page 261 >](#)

| ID | Location | Main Habitat                         | Other habitats                  |
|----|----------|--------------------------------------|---------------------------------|
| 1  | On site  | Coastal and floodplain grazing marsh | Main habitat: CFPGM (INV > 50%) |
| 2  | On site  | Coastal and floodplain grazing marsh | Main habitat: CFPGM (INV > 50%) |
| 3  | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%) |



| ID | Location | Main Habitat       | Other habitats                  |
|----|----------|--------------------|---------------------------------|
| 4  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 5  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 6  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 7  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 8  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 9  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 10 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 11 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 12 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 13 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 14 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 15 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 16 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 17 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 18 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 19 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 20 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 21 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 22 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 23 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 24 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 25 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 26 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 27 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 28 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 29 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 30 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 31 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |



| ID | Location | Main Habitat                         | Other habitats                                       |
|----|----------|--------------------------------------|--|
| 32 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 33 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 34 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 35 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 36 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 37 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 38 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 39 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 40 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 41 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 42 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 43 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 44 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 45 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 46 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 47 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 48 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 49 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 50 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 51 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 52 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 53 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 54 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 55 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                      |
| 56 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%, FEP + HLS)           |
| 57 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%, ENSIS L1, FEP + HLS) |
| 58 | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%, ENSIS L1)            |
| 59 | On site  | Good quality semi-improved grassland | Main habitat: GQSIG (FEP + HLS)                      |



| ID | Location | Main Habitat                         | Other habitats   |
|----|----------|--------------------------------------|--|
| 60 | On site  | Good quality semi-improved grassland | Main habitat: GQSIG (FEP + HLS)  |
| 61 | On site  | Lowland fens                         | Main habitat: LFENS (INV > 50%)  |
| 62 | On site  | Lowland fens                         | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)                    |
| 63 | On site  | Lowland fens                         | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)                                       |
| 64 | On site  | Lowland fens                         | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)                                       |
| A  | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)  |
| A  | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)  |
| A  | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)  |
| A  | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)  |
| 65 | On site  | Lowland fens                         | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%)                    |
| B  | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)  |
| B  | On site  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)  |
| 66 | On site  | Lowland fens                         | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| C  | On site  | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| C  | On site  | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| C  | On site  | Lowland fens                         | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| 67 | On site  | Lowland fens                         | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); Additional: GQSIG (FEP 50%)          |
| D  | On site  | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| D  | On site  | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| D  | On site  | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| D  | On site  | Lowland fens                         | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| 68 | On site  | Lowland fens                         | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); Additional: GQSIG (FEP 50%)          |



| ID | Location | Main Habitat       | Other habitats   |
|----|----------|--------------------|--|
| E  | On site  | Deciduous woodland | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); Additional: GQSIG (FEP 50%) |
| E  | On site  | Lowland fens       | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); Additional: GQSIG (FEP 50%) |
| 69 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| F  | On site  | Lowland fens       | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)                              |
| F  | On site  | Lowland fens       | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)                              |
| F  | On site  | Lowland fens       | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)                              |
| 70 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| G  | On site  | Lowland fens       | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)                              |
| G  | On site  | Lowland fens       | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)           |
| 76 | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 77 | 1m NW    | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| H  | 1m W     | Lowland fens       | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)           |
| 78 | 1m NW    | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 79 | 2m S     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 80 | 2m W     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 81 | 3m W     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 82 | 3m W     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 83 | 3m S     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 84 | 4m W     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 85 | 4m E     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 86 | 4m W     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 87 | 4m E     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 88 | 5m E     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 89 | 5m W     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |
| 90 | 6m W     | Lowland fens       | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)                              |
| 91 | 7m W     | Deciduous woodland | Main habitat: DWOOD (INV > 50%)  |





| ID  | Location | Main Habitat                                    | Other habitats   |
|-----|----------|---|--|
| 92  | 9m W     | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 93  | 9m E     | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 94  | 9m W     | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 95  | 10m E    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 96  | 10m S    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 97  | 16m E    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 98  | 18m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 99  | 24m E    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 100 | 30m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 101 | 31m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 102 | 33m E    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| I   | 33m W    | Lowland fens                                    | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| 103 | 34m SW   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 104 | 37m W    | Lowland fens                                    | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)                    |
| 105 | 39m W    | Good quality semi-improved grassland            | Main habitat: GQSIG (FEP + HLS)  |
| 106 | 39m S    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 107 | 41m NE   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 108 | 51m NE   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 110 | 60m E    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| J   | 61m NW   | No main habitat but additional habitats present | Additional: TORCH (INV 50%)  |
| 111 | 64m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| K   | 64m W    | No main habitat but additional habitats present | Main habitat: DWOOD (INV > 50%)  |
| 112 | 65m E    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 113 | 65m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |
| 114 | 69m SE   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%, ENSIS L1)  |
| 115 | 71m E    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)  |



| ID  | Location | Main Habitat                                    | Other habitats  |
|-----|----------|---|---|
| 116 | 71m W    | Good quality semi-improved grassland            | Main habitat: GQSIG (FEP + HLS)                                       |
| 117 | 76m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 118 | 84m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| K   | 84m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| J   | 89m NW   | Traditional orchard                             | Overruled by Traditional Orchards HAP Inventory dataset               |
| I   | 91m W    | Lowland fens                                    | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| 119 | 92m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 120 | 93m W    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 121 | 93m NE   | No main habitat but additional habitats present | Main habitat: DWOOD (INV > 50%)                                       |
| 122 | 95m E    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 123 | 98m NE   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 124 | 100m NE  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 125 | 104m E   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 126 | 105m W   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 127 | 107m NE  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| J   | 108m NW  | Traditional orchard                             | Overruled by Traditional Orchards HAP Inventory dataset               |
| 128 | 109m E   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%, ENSIS L1)                             |
| 129 | 116m E   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 130 | 116m E   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 131 | 118m NE  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 132 | 122m NE  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 133 | 123m E   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| 134 | 123m S   | No main habitat but additional habitats present | Main habitat: DWOOD (INV > 50%)                                       |
| L   | 126m W   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)                    |
| 135 | 126m SW  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |
| L   | 128m W   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)                    |
| 136 | 132m W   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)                                       |



| ID  | Location | Main Habitat        | Other habitats   |
|-----|----------|---------------------|--|
| 137 | 134m W   | Lowland fens        | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)                                       |
| M   | 134m W   | Deciduous woodland  | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS) |
| 138 | 135m S   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 139 | 135m W   | Lowland fens        | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)                                       |
| 140 | 136m SW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 141 | 137m NW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 142 | 137m E   | Traditional orchard | Overruled by Traditional Orchards HAP Inventory dataset                                  |
| 143 | 138m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 144 | 141m NE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 145 | 142m N   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%, ENSIS L1)  |
| 146 | 144m SW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 147 | 145m SE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 148 | 145m W   | Lowland fens        | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)                                       |
| 149 | 146m E   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%, ENSIS L1)  |
| 150 | 146m W   | Lowland fens        | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)                                       |
| 151 | 148m NW  | Traditional orchard | Overruled by Traditional Orchards HAP Inventory dataset                                  |
| 152 | 153m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 153 | 158m SW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| L   | 159m W   | Deciduous woodland  | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%)                    |
| 154 | 160m NW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 155 | 161m N   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| N   | 161m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 156 | 163m SE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| N   | 165m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 157 | 171m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                             |
| 158 | 171m SW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 159 | 173m NW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| O   | 174m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                             |



| ID  | Location | Main Habitat        | Other habitats   |
|-----|----------|---------------------|--|
| 160 | 174m NE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 161 | 175m W   | Lowland fens        | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%)                    |
| 162 | 175m NE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 163 | 177m NE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 164 | 177m NE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 165 | 178m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 166 | 179m NW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| P   | 179m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                             |
| 167 | 182m NW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| Q   | 183m SE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| Q   | 184m SE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 168 | 187m SW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 169 | 187m S   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| P   | 189m W   | Deciduous woodland  | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%) |
| 170 | 189m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 171 | 193m SW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 172 | 194m SE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| R   | 195m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                             |
| O   | 195m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                             |
| S   | 196m NE  | Traditional orchard | Main habitat: TORCH (INV > 50%)  |
| 173 | 196m S   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| R   | 201m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                             |
| T   | 202m W   | Lowland meadows     | Main habitat: LMEAD (INV > 50%)  |
| R   | 202m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                             |
| 174 | 203m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 175 | 203m W   | Lowland fens        | Main habitat: LFENS (INV > 50%); Additional: GQSIG (FEP 50%)                             |
| 176 | 204m E   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| T   | 204m W   | Lowland fens        | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%)                    |



| ID  | Location | Main Habitat        | Other habitats   |
|-----|----------|---------------------|--|
| U   | 206m W   | Lowland fens        | Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); Additional: GQSIG (FEP 50%)                    |
| V   | 206m NE  | Traditional orchard | Overruled by Traditional Orchards HAP Inventory dataset  |
| R   | 208m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                                       |
| 177 | 208m E   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| S   | 208m NE  | Traditional orchard | Overruled by Traditional Orchards HAP Inventory dataset  |
| O   | 211m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                                       |
| 178 | 212m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 179 | 215m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| W   | 216m NW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 180 | 218m N   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| U   | 218m W   | Lowland fens        | Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); Additional: GQSIG (FEP 50%) |
| 181 | 219m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 182 | 220m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 183 | 221m E   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| W   | 230m NW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| O   | 230m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)                                       |
| V   | 233m NE  | Traditional orchard | Overruled by Traditional Orchards HAP Inventory dataset  |
| 184 | 235m SE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 185 | 235m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 186 | 235m SE  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| V   | 236m NE  | Traditional orchard | Overruled by Traditional Orchards HAP Inventory dataset  |
| V   | 236m NE  | Traditional orchard | Overruled by Traditional Orchards HAP Inventory dataset  |
| 187 | 247m W   | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |
| 188 | 247m SW  | Deciduous woodland  | Main habitat: DWOOD (INV > 50%)  |

*This data is sourced from Natural England.*



## 13.2 Habitat Networks

Records within 250m

12

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on [page 261 >](#)

| ID  | Location | Type                       | Habitat         |
|-----|----------|----------------------------|-----------------|
| D   | On site  | Network Enhancement Zone 1 | Not specified   |
| E   | On site  | Network Enhancement Zone 1 | Not specified   |
| 71  | On site  | Network Enhancement Zone 1 | Not specified   |
| H   | On site  | Primary Habitat            | Lowland fens    |
| 72  | On site  | Restorable Habitat         | Not specified   |
| 73  | On site  | Restorable Habitat         | Not specified   |
| 74  | On site  | Restorable Habitat         | Not specified   |
| 75  | On site  | Restorable Habitat         | Not specified   |
| 109 | 53m W    | Network Enhancement Zone 1 | Not specified   |
| L   | 137m W   | Network Enhancement Zone 1 | Not specified   |
| M   | 141m W   | Network Enhancement Zone 1 | Not specified   |
| T   | 197m W   | Primary Habitat            | Lowland meadows |

*This data is sourced from Natural England.*

## 13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

*This data is sourced from Natural England.*



## 13.4 Limestone Pavement Orders

Records within 250m

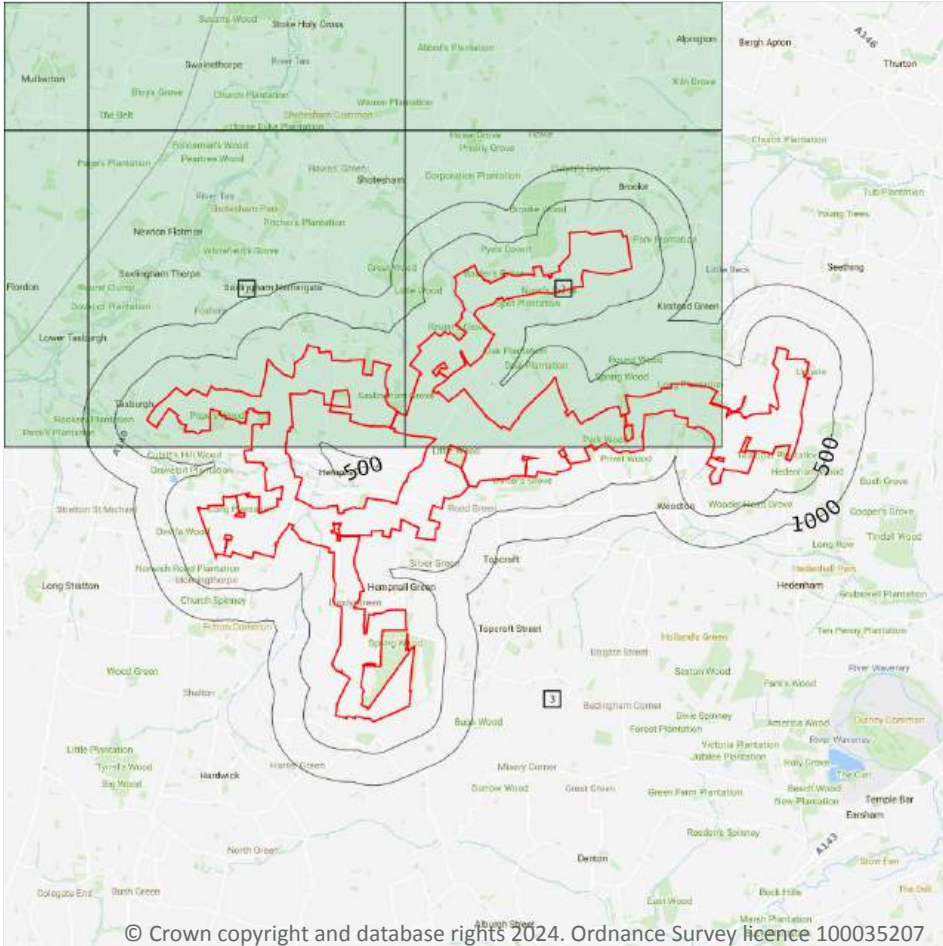
0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

*This data is sourced from Natural England.*



## 14 Geology 1:10,000 scale - Availability



— Site Outline  
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

Records within 500m

3

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme. Features are displayed on the Geology 1:10,000 scale - Availability map on [page 273](#) >

| ID | Location | Artificial  | Superficial | Bedrock     | Mass movement | Sheet No. |
|----|----------|-------------|-------------|-------------|---------------|-----------|
| 1  | On site  | No coverage | Full        | Full        | No coverage   | TM29NW    |
| 2  | On site  | No coverage | Full        | Full        | No coverage   | TM29NE    |
| 3  | On site  | No coverage | No coverage | No coverage | No coverage   | NoCov     |

This data is sourced from the British Geological Survey.





## Geology 1:10,000 scale - Artificial and made ground

### 14.2 Artificial and made ground (10k)

Records within 500m

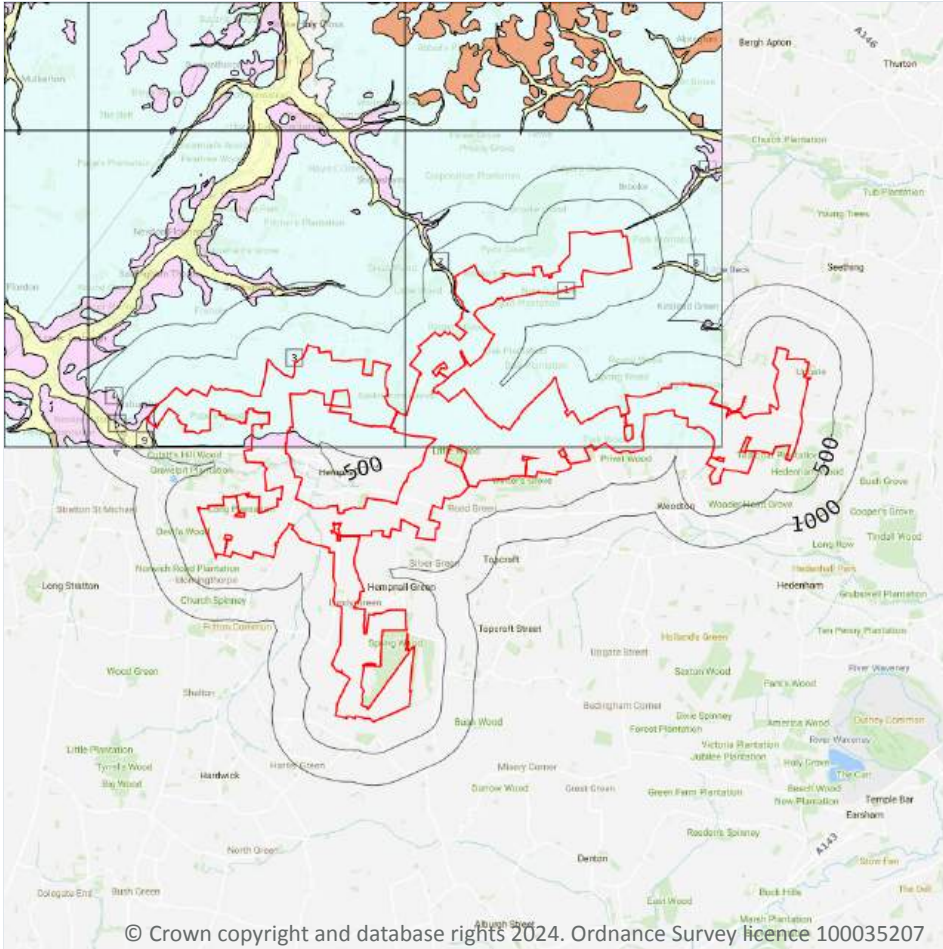
0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

Records within 500m

9

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 275 >](#)

| ID | Location | LEX Code  | Description                            | Rock description            |
|----|----------|-----------|--|-----------------------------|
| 1  | On site  | LOFT-DMTN | Lowestoft Formation - Diamicton        | Diamicton                   |
| 2  | On site  | ALV-XCZSV | Alluvium - Clay, Silt, Sand And Gravel | Clay, Silt, Sand And Gravel |
| 3  | On site  | LOFT-DMTN | Lowestoft Formation - Diamicton        | Diamicton                   |



| ID | Location | LEX Code  | Description   | Rock description            |
|----|----------|-----------|---|-----------------------------|
| 4  | On site  | HPLO-XSV  | Happisburgh Glacigenic Formation And Lowestoft Formation (undifferentiated) - Sand And Gravel | Sand And Gravel             |
| 5  | On site  | ALV-XCZSV | Alluvium - Clay, Silt, Sand And Gravel  | Clay, Silt, Sand And Gravel |
| 6  | 67m NE   | ALV-XCZSV | Alluvium - Clay, Silt, Sand And Gravel  | Clay, Silt, Sand And Gravel |
| 7  | 193m N   | HPLO-XSV  | Happisburgh Glacigenic Formation And Lowestoft Formation (undifferentiated) - Sand And Gravel | Sand And Gravel             |
| 8  | 325m NE  | ALV-XCZSV | Alluvium - Clay, Silt, Sand And Gravel  | Clay, Silt, Sand And Gravel |
| 9  | 378m W   | HPLO-XSV  | Happisburgh Glacigenic Formation And Lowestoft Formation (undifferentiated) - Sand And Gravel | Sand And Gravel             |

*This data is sourced from the British Geological Survey.*

## 14.4 Landslip (10k)

Records within 500m

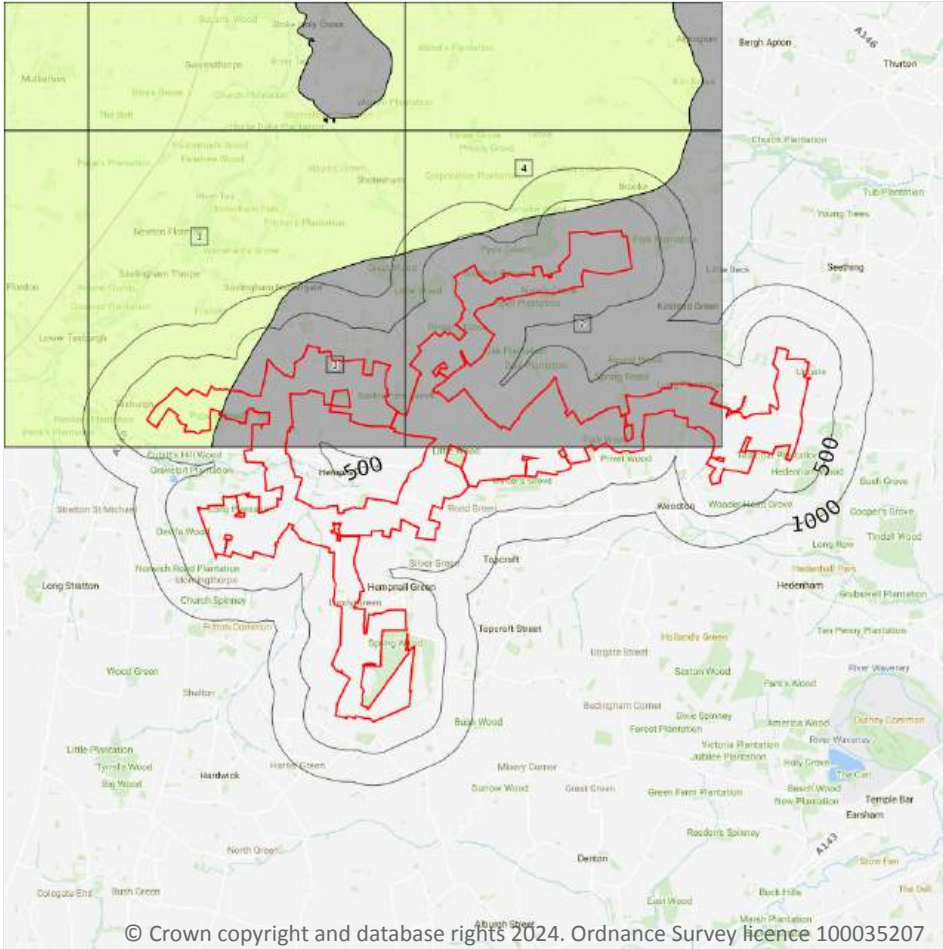
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Bedrock



### 14.5 Bedrock geology (10k)

Records within 500m

4

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 277](#) >

| ID | Location | LEX Code  | Description   | Rock age   |
|----|----------|-----------|---|--|
| 1  | On site  | LPCK-CHLK | Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown Chalk Formation (undifferentiated) - Chalk | Campanian Age - Turonian Age                             |
| 2  | On site  | CRAG-SAGR | Crag Group - Sand And Gravel  | Pleistocene Epoch - Pliocene Epoch [Obsolete definition] |

| ID | Location | LEX Code  | Description   | Rock age   |
|----|----------|-----------|---|--|
| 3  | On site  | CRAG-SAGR | Crag Group - Sand And Gravel  | Pleistocene Epoch - Pliocene Epoch [Obsolete definition] |
| 4  | 334m NE  | LPCK-CHLK | Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown Chalk Formation (undifferentiated) - Chalk | Campanian Age - Turonian Age                             |

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

Records within 500m

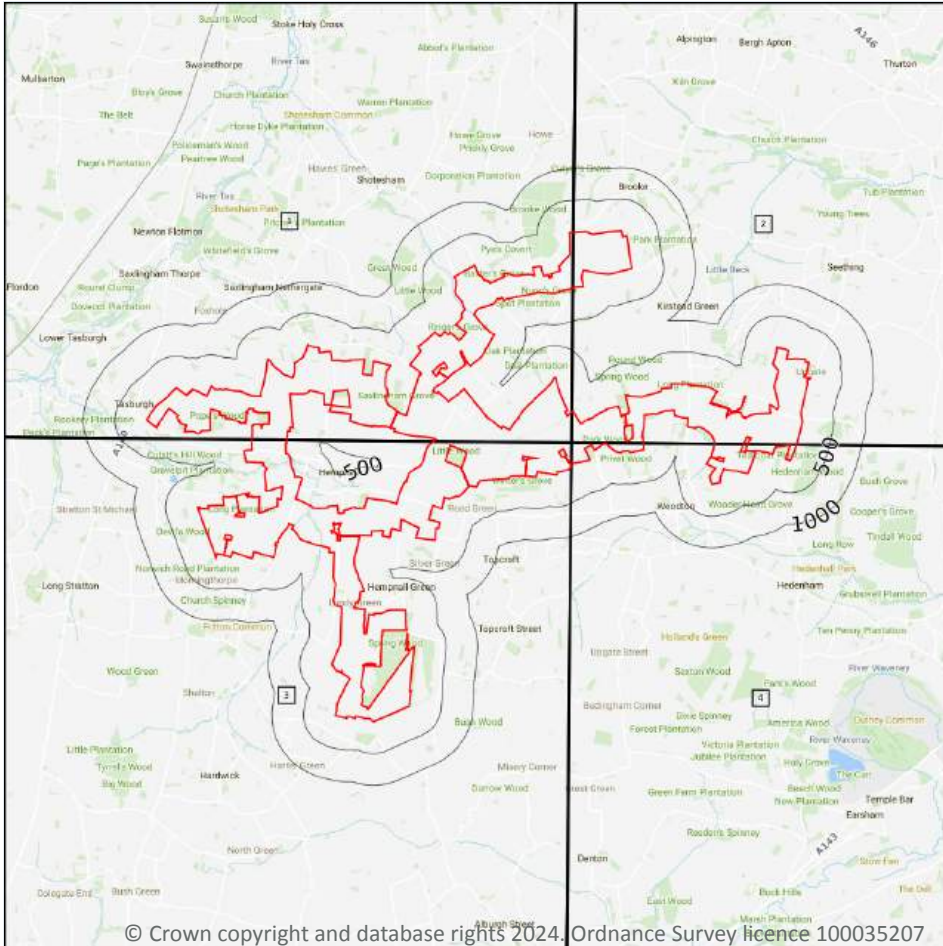
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*



## 15 Geology 1:50,000 scale - Availability



— Site Outline  
Search buffers in metres (m)

□ Geological map tile

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### 15.1 50k Availability

Records within 500m

4

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 279](#) >

| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No.               |
|----|----------|------------|-------------|---------|---------------|-------------------------|
| 1  | On site  | Full       | Full        | Full    | No coverage   | EW161_norwich_v4        |
| 2  | On site  | Full       | Full        | Full    | No coverage   | EW162_great_yarmouth_v4 |
| 3  | On site  | Full       | Full        | Full    | No coverage   | EW175_diss_v4           |
| 4  | On site  | Full       | Full        | Full    | No coverage   | EW176_lowestoft_v4      |



*This data is sourced from the British Geological Survey.*



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 23 August 2024

## Geology 1:50,000 scale - Artificial and made ground

### 15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

*This data is sourced from the British Geological Survey.*

### 15.3 Artificial ground permeability (50k)

Records within 50m

0

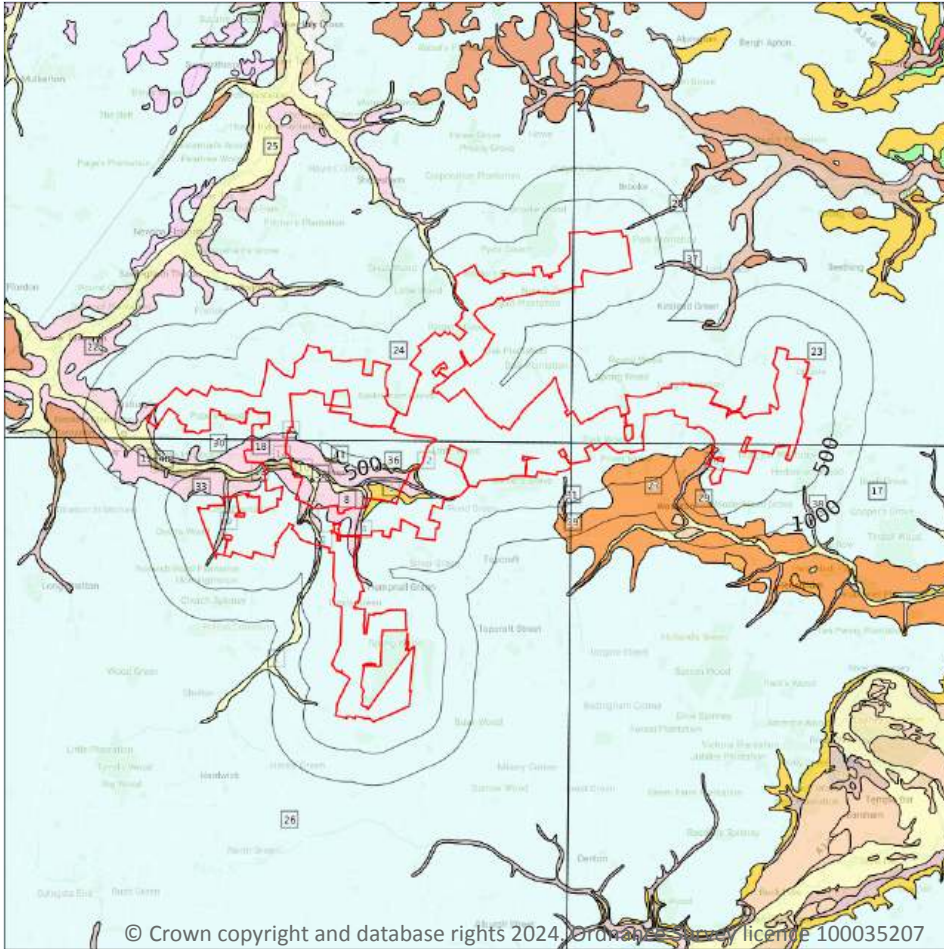
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*





## Geology 1:50,000 scale - Superficial



— Site Outline  
Search buffers in metres (m)

▨ Landslip (50k)

Superficial geology (50k)  
Please see table for more details.

### 15.4 Superficial geology (50k)

Records within 500m

41

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 282](#) >

| ID | Location | LEX Code   | Description               | Rock description            |
|----|----------|------------|---------------------------|-----------------------------|
| 1  | On site  | ALV-XCZSV  | ALLUVIUM                  | CLAY, SILT, SAND AND GRAVEL |
| 2  | On site  | HEAD-XCZSV | HEAD                      | CLAY, SILT, SAND AND GRAVEL |
| 3  | On site  | RTD1-XSV   | RIVER TERRACE DEPOSITS, 1 | SAND AND GRAVEL             |



| ID | Location | LEX Code   | Description   | Rock description            |
|----|----------|------------|---|-----------------------------|
| 4  | On site  | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |
| 5  | On site  | HPLO-XCZ   | HAPPISBURGH GLACIGENIC FORMATION AND LOWESTOFT FORMATION (UNDIFFERENTIATED) | CLAY AND SILT               |
| 6  | On site  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER  | SAND AND GRAVEL             |
| 7  | On site  | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |
| 8  | On site  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER  | SAND AND GRAVEL             |
| 9  | On site  | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |
| 10 | On site  | PEAT-P     | PEAT  | PEAT                        |
| 11 | On site  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER  | SAND AND GRAVEL             |
| 12 | On site  | HPLO-XCZ   | HAPPISBURGH GLACIGENIC FORMATION AND LOWESTOFT FORMATION (UNDIFFERENTIATED) | CLAY AND SILT               |
| 13 | On site  | PEAT-P     | PEAT  | PEAT                        |
| 14 | On site  | PEAT-P     | PEAT  | PEAT                        |
| 15 | On site  | PEAT-P     | PEAT  | PEAT                        |
| 16 | On site  | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |
| 17 | On site  | LOFT-DMTN  | LOWESTOFT FORMATION   | DIAMICTON                   |
| 18 | On site  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER  | SAND AND GRAVEL             |
| 19 | On site  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER  | SAND AND GRAVEL             |
| 20 | On site  | ALV-XCZSV  | ALLUVIUM  | CLAY, SILT, SAND AND GRAVEL |
| 21 | On site  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER  | SAND AND GRAVEL             |
| 22 | On site  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER  | SAND AND GRAVEL             |
| 23 | On site  | LOFT-DMTN  | LOWESTOFT FORMATION   | DIAMICTON                   |
| 24 | On site  | LOFT-DMTN  | LOWESTOFT FORMATION   | DIAMICTON                   |
| 25 | On site  | ALV-XCZSV  | ALLUVIUM  | CLAY, SILT, SAND AND GRAVEL |
| 26 | On site  | LOFT-DMTN  | LOWESTOFT FORMATION   | DIAMICTON                   |
| 27 | 24m E    | ASAG-XSV   | ALDEBY SAND AND GRAVEL MEMBER   | SAND AND GRAVEL             |
| 28 | 78m NE   | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |



| ID | Location | LEX Code   | Description   | Rock description            |
|----|----------|------------|---|-----------------------------|
| 29 | 82m E    | ASAG-XSV   | ALDEBY SAND AND GRAVEL MEMBER   | SAND AND GRAVEL             |
| 30 | 87m W    | LOFT-DMTN  | LOWESTOFT FORMATION   | DIAMICTON                   |
| 31 | 94m E    | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |
| 32 | 132m W   | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER  | SAND AND GRAVEL             |
| 33 | 194m W   | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |
| 34 | 217m SW  | LOFT-DMTN  | LOWESTOFT FORMATION   | DIAMICTON                   |
| 35 | 222m W   | PEAT-P     | PEAT  | PEAT                        |
| 36 | 277m SW  | HPLO-XCZ   | HAPPISBURGH GLACIGENIC FORMATION AND LOWESTOFT FORMATION (UNDIFFERENTIATED) | CLAY AND SILT               |
| 37 | 366m NE  | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |
| 38 | 458m E   | HEAD-XCZSV | HEAD  | CLAY, SILT, SAND AND GRAVEL |
| 39 | 458m SE  | ASAG-XSV   | ALDEBY SAND AND GRAVEL MEMBER   | SAND AND GRAVEL             |
| 40 | 464m W   | PEAT-P     | PEAT  | PEAT                        |
| 41 | 465m W   | HPLO-XCZ   | HAPPISBURGH GLACIGENIC FORMATION AND LOWESTOFT FORMATION (UNDIFFERENTIATED) | CLAY AND SILT               |

This data is sourced from the British Geological Survey.

## 15.5 Superficial permeability (50k)

Records within 50m

37

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

| Location | Flow type     | Maximum permeability | Minimum permeability |
|----------|---------------|----------------------|----------------------|
| On site  | Intergranular | High                 | Very Low             |
| On site  | Mixed         | High                 | Very Low             |
| On site  | Intergranular | High                 | Very Low             |
| On site  | Intergranular | High                 | Very Low             |



| Location | Flow type     | Maximum permeability | Minimum permeability |
|----------|---------------|----------------------|----------------------|
| On site  | Mixed         | Low                  | Very Low             |
| On site  | Mixed         | Low                  | Very Low             |
| On site  | Mixed         | Low                  | Very Low             |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Mixed         | Low                  | Very Low             |
| On site  | Mixed         | Low                  | Very Low             |
| On site  | Mixed         | Low                  | Very Low             |
| On site  | Mixed         | Low                  | Very Low             |
| On site  | Mixed         | High                 | Very Low             |
| On site  | Mixed         | High                 | Very Low             |
| On site  | Mixed         | High                 | Very Low             |
| On site  | Mixed         | High                 | Very Low             |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Intergranular | High                 | Very Low             |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Mixed         | High                 | Very Low             |
| On site  | Mixed         | High                 | Very Low             |



| Location | Flow type     | Maximum permeability | Minimum permeability |
|----------|---------------|----------------------|----------------------|
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | Moderate             | Low                  |
| 24m E    | Intergranular | Very High            | High                 |
| 27m E    | Intergranular | Very High            | High                 |

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

**Records within 500m**

**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

**Records within 50m**

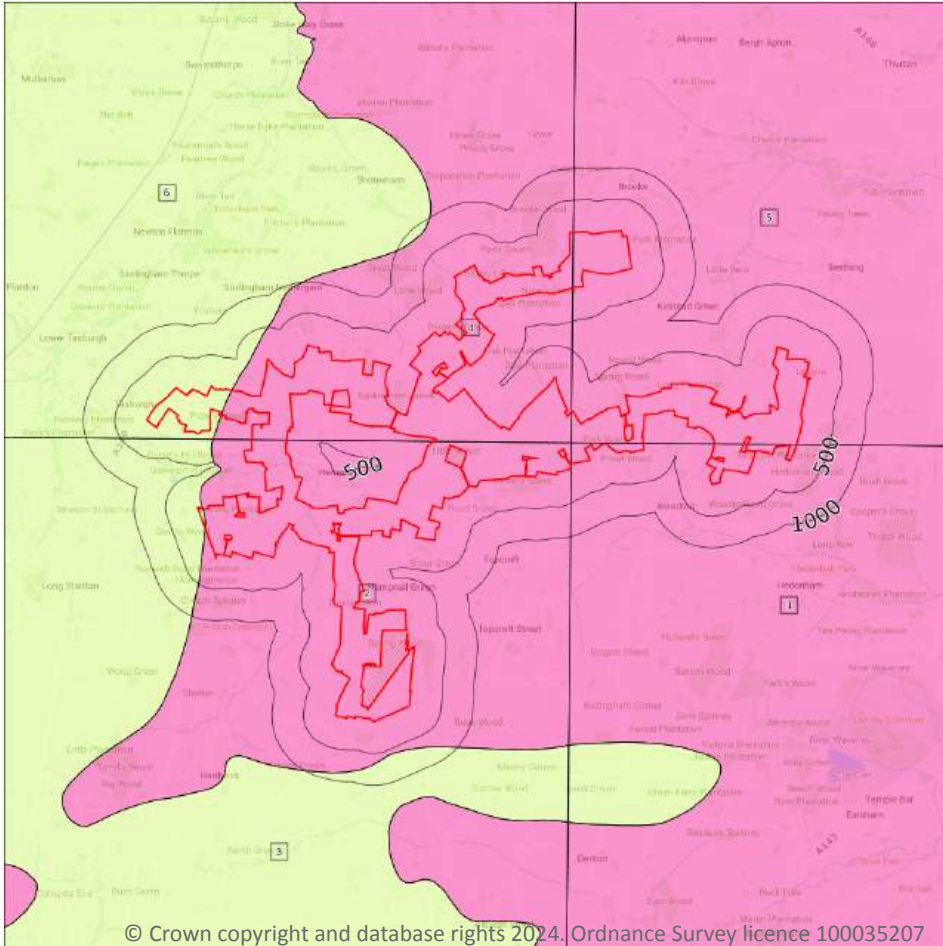
**0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- ..... Bedrock faults and other linear features (50k)
- Bedrock geology (50k)  
Please see table for more details.

### 15.8 Bedrock geology (50k)

Records within 500m

6

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 287](#) >

| ID | Location | LEX Code | Description                   | Rock age |
|----|----------|----------|-------------------------------|----------|
| 1  | On site  | CRAG-S   | CRAG GROUP - SAND             | -        |
| 2  | On site  | NCG-S    | NORWICH CRAG FORMATION - SAND | -        |

| ID | Location | LEX Code  | Description   | Rock age |
|----|----------|-----------|---|----------|
| 3  | On site  | LPCK-CHLK | LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION, NEWHAVEN CHALK FORMATION, CULVER CHALK FORMATION AND PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) - CHALK | TURONIAN |
| 4  | On site  | CRAG-XSV  | CRAG GROUP - SAND AND GRAVEL  | -        |
| 5  | On site  | CRAG-XSV  | CRAG GROUP - SAND AND GRAVEL  | -        |
| 6  | On site  | LPCK-CHLK | LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION, NEWHAVEN CHALK FORMATION, CULVER CHALK FORMATION AND PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) - CHALK | TURONIAN |

This data is sourced from the British Geological Survey.

## 15.9 Bedrock permeability (50k)

Records within 50m

13

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

| Location | Flow type     | Maximum permeability | Minimum permeability |
|----------|---------------|----------------------|----------------------|
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Fracture      | Very High            | Very High            |
| On site  | Fracture      | Very High            | Very High            |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |

This data is sourced from the British Geological Survey.



## 15.10 Bedrock faults and other linear features (50k)

Records within 500m

0

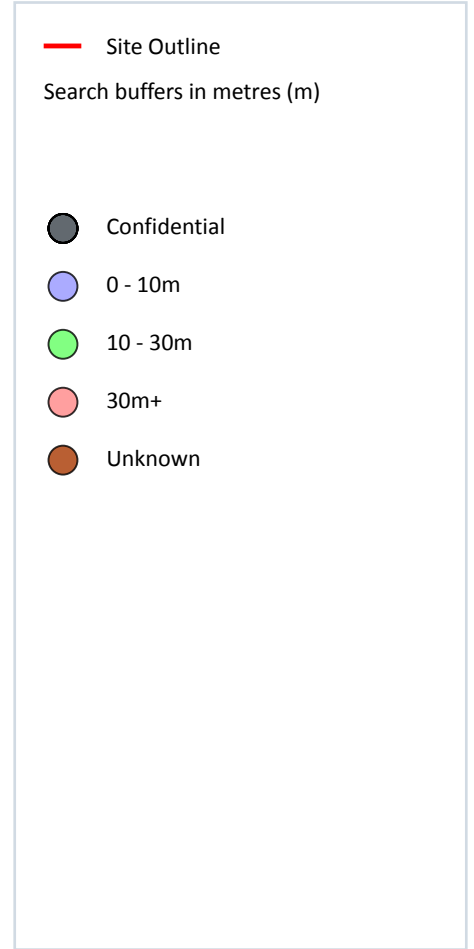
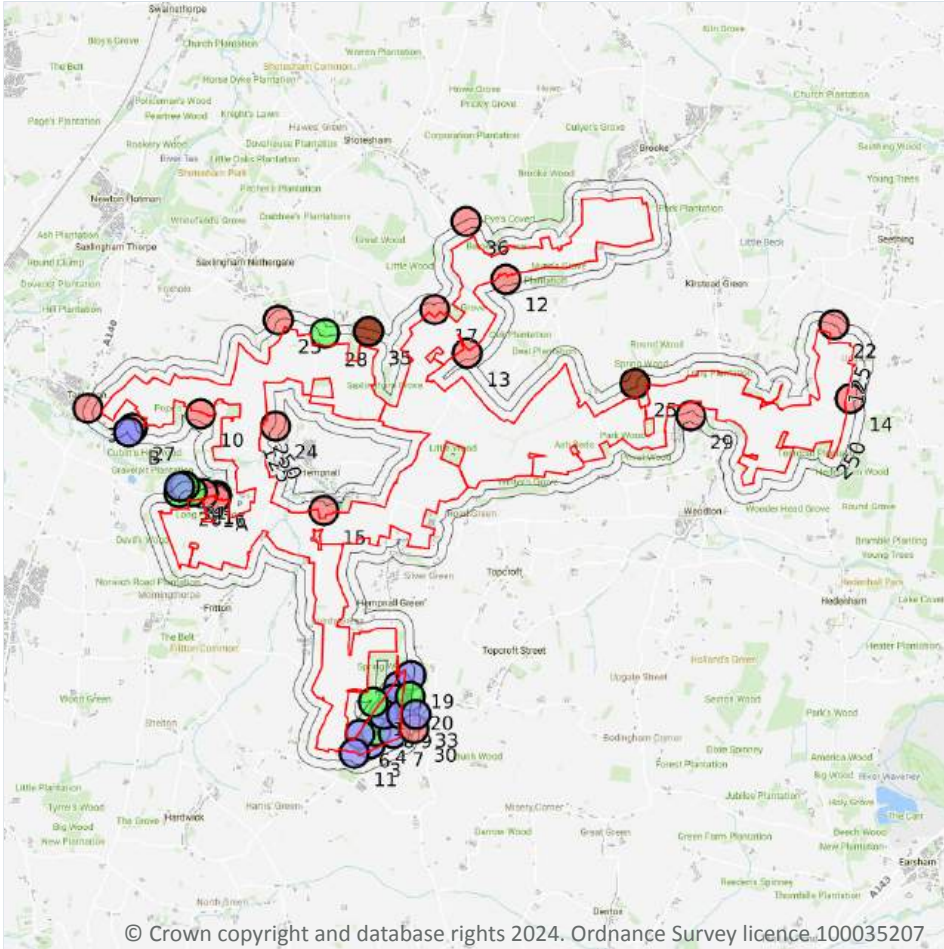
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*





## 16 Boreholes



### 16.1 BGS Boreholes

Records within 250m

40

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 290](#) >

| ID | Location | Grid reference | Name                   | Length | Confidential | Web link                 |
|----|----------|----------------|------------------------|--------|--------------|--------------------------|
| 1  | On site  | 622530 294270  | HEMPNALL               | 76.0   | N            | <a href="#">565633</a> ↗ |
| 2  | On site  | 625050 291630  | HARDWICK AIRFIELD BH25 | 7.6    | N            | <a href="#">565681</a> ↗ |

| ID | Location | Grid reference | Name                              | Length | Confidential | Web link                   |
|----|----------|----------------|-----------------------------------|--------|--------------|----------------------------|
| 3  | On site  | 624660 290830  | HARDWICK AIRFIELD BH32            | 7.5    | N            | <a href="#">565656</a> ↗   |
| 4  | On site  | 624740 291000  | HARDWICK AIRFIELD BH23            | 18.0   | N            | <a href="#">565651</a> ↗   |
| 5  | On site  | 624980 291450  | HARDWICK AIRFIELD BH26            | 7.7    | N            | <a href="#">565652</a> ↗   |
| 6  | On site  | 624510 290960  | HARDWICK AIRFIELD BH31            | 7.5    | N            | <a href="#">565655</a> ↗   |
| 7  | On site  | 624980 290970  | HARDWICK AIRFIELD BH30            | 7.5    | N            | <a href="#">565654</a> ↗   |
| 8  | On site  | 624850 291230  | HARDWICK AIRFIELD BH27            | 7.6    | N            | <a href="#">565653</a> ↗   |
| A  | 2m W     | 622520 294240  | HEMPNALL                          | 50.0   | N            | <a href="#">565634</a> ↗   |
| A  | 4m W     | 622510 294250  | HEMPNALL                          | 76.0   | N            | <a href="#">565635</a> ↗   |
| 9  | 5m S     | 625090 291230  | HARDWICK AIRFIELD BH28            | 7.5    | N            | <a href="#">565682</a> ↗   |
| 10 | 18m W    | 622310 295410  | WOOD FARM FAIRSTEAD LANE HEMPNALL | 55.0   | N            | <a href="#">21166360</a> ↗ |
| 11 | 20m S    | 624440 290690  | HARDWICK AIRFIELD BH33            | 7.5    | N            | <a href="#">565657</a> ↗   |
| 12 | 41m N    | 626540 297280  | LEY FARM, SHOTESHAM, NORFOLK      | 54.86  | N            | <a href="#">565613</a> ↗   |
| 13 | 42m N    | 626010 296250  | DAWSONS FARM, SHOTESHAM           | 41.45  | N            | <a href="#">565605</a> ↗   |
| 14 | 51m E    | 631320 295620  | BLAKES FARM, SEETHING             | 85.3   | N            | <a href="#">567037</a> ↗   |
| 15 | 66m SW   | 624010 294060  | HEMPNALL DEPWADE RDC COTTAGES     | 43.13  | N            | <a href="#">565618</a> ↗   |
| 16 | 68m W    | 622340 294300  | BOYLAND HSE MORNINGTHORPE         | 42.67  | N            | <a href="#">565640</a> ↗   |
| 17 | 68m N    | 625560 296850  | LATH FARM, SHOTESHAM              | 49.07  | N            | <a href="#">565604</a> ↗   |
| 18 | 85m S    | 624700 291400  | HARDWICK                          | 15.24  | N            | <a href="#">565627</a> ↗   |
| 19 | 86m S    | 625230 291780  | HARDWICK AIRFIELD BH24            | 7.5    | N            | <a href="#">565680</a> ↗   |
| 20 | 108m S   | 625220 291480  | HARDWICK AIRFIELD BH21            | 16.5   | N            | <a href="#">565678</a> ↗   |
| 21 | 117m W   | 622180 294330  | MORNING THORPE                    | 15.24  | N            | <a href="#">565631</a> ↗   |
| 22 | 125m E   | 631100 296640  | GEMINS FARM SEETHING              | 57.61  | N            | <a href="#">567028</a> ↗   |
| 23 | 126m NW  | 623390 296710  | HILL HOUSE SAXLINGHAM NETHERGATE  | 43.28  | N            | <a href="#">565562</a> ↗   |
| 24 | 131m W   | 623340 295240  | FAIRSTEAD LANE FARM HEMPHALL      | 60.95  | N            | <a href="#">565587</a> ↗   |
| 25 | 155m E   | 628330 295830  | SPRINGWOOD FARM, WOODTON          | -1.0   | N            | <a href="#">565617</a> ↗   |
| 26 | 160m W   | 622000 294310  | MORNINGTHORPE PIT BHB6            | 13.7   | N            | <a href="#">565646</a> ↗   |
| 27 | 165m W   | 621360 295210  | LIME TREE FARM                    | 54.86  | N            | <a href="#">565588</a> ↗   |
| 28 | 172m NW  | 624030 296530  | ORCHARD FARM SAXLINGHAM           | 11.67  | N            | <a href="#">565584</a> ↗   |

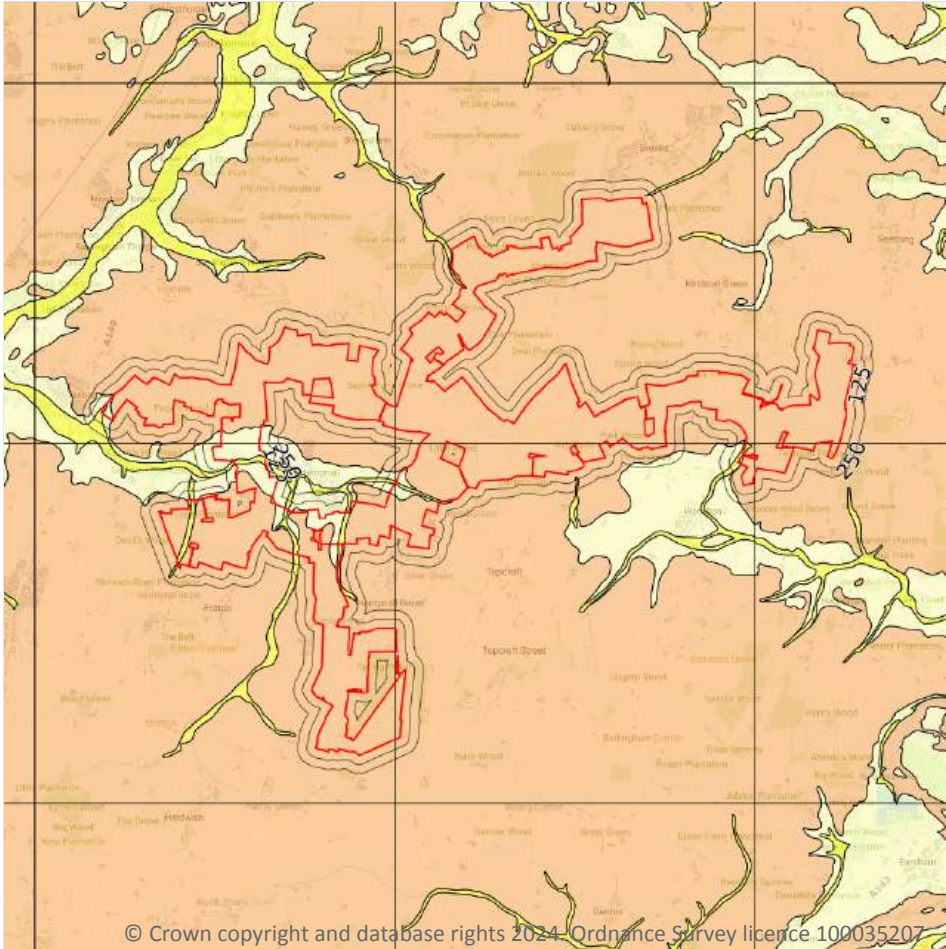


| ID | Location | Grid reference | Name                               | Length | Confidential | Web link                      |
|----|----------|----------------|------------------------------------|--------|--------------|-------------------------------|
| 29 | 181m E   | 629110 295380  | HALL FARM, WOODTON                 | 53.34  | N            | <a href="#">565607</a> ↗      |
| 30 | 185m S   | 625270 291040  | HARDWICK AIRFIELD BH22             | 36.0   | N            | <a href="#">565679</a> ↗      |
| 31 | 188m W   | 622080 294400  | MORNING THORPE                     | 15.24  | N            | <a href="#">565630</a> ↗      |
| 32 | 195m W   | 620740 295480  | ELM TREE FARM TASBURGH             | 46.33  | N            | <a href="#">565578</a> ↗      |
| 33 | 203m S   | 625290 291240  | HARDWICK AIRFIELD BH29             | 7.0    | N            | <a href="#">565683</a> ↗      |
| 34 | 204m W   | 622020 294390  | MORNINGTHORPE PIT BHB4             | 7.0    | N            | <a href="#">565644</a> ↗      |
| 35 | 219m NW  | 624640 296550  | HUBBARD'S FARM, SAXLINGHAM         | -1.0   | N            | <a href="#">565600</a> ↗      |
| 36 | 234m N   | 625990 298080  | UPPERGATE GREEN FARM, SHOTESHAM    | 59.74  | N            | <a href="#">565601</a> ↗      |
| B  | 235m W   | 621304 295158  | NRF 0100 FAIRSTEAD FARM TASBURGH 2 | 5.0    | N            | <a href="#">20221926</a><br>↗ |
| B  | 239m W   | 621301 295154  | NRF 0100 FAIRSTEAD FARM TASBURGH 1 | 5.0    | N            | <a href="#">20221925</a><br>↗ |

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



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### 17.1 Shrink swell clays

Records within 50m

5

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 293](#) >

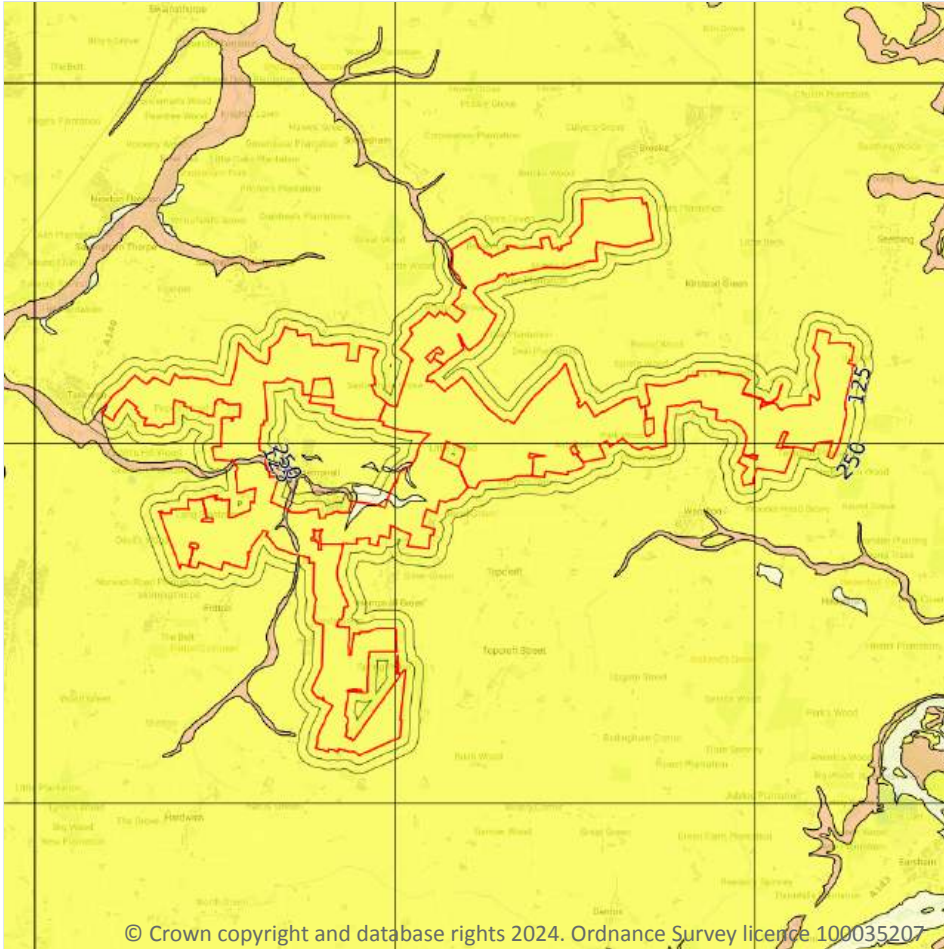
| Location | Hazard rating | Details  |
|----------|---------------|--|
| On site  | Negligible    | Ground conditions predominantly non-plastic.       |
| On site  | Very low      | Ground conditions predominantly low plasticity.    |
| On site  | Low           | Ground conditions predominantly medium plasticity. |

| Location | Hazard rating | Details                                      |
|----------|---------------|--|
| 24m E    | Negligible    | Ground conditions predominantly non-plastic. |
| 27m E    | Negligible    | Ground conditions predominantly non-plastic. |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Running sands



### 17.2 Running sands

Records within 50m

3

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on [page 295 >](#)

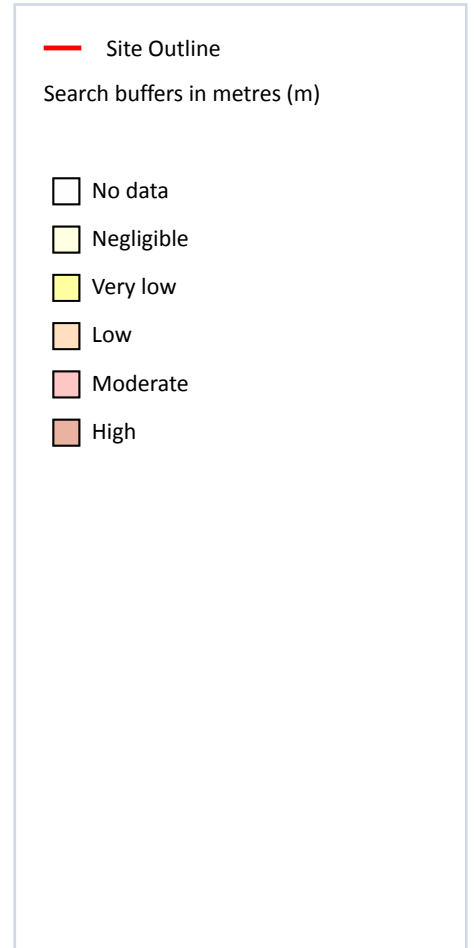
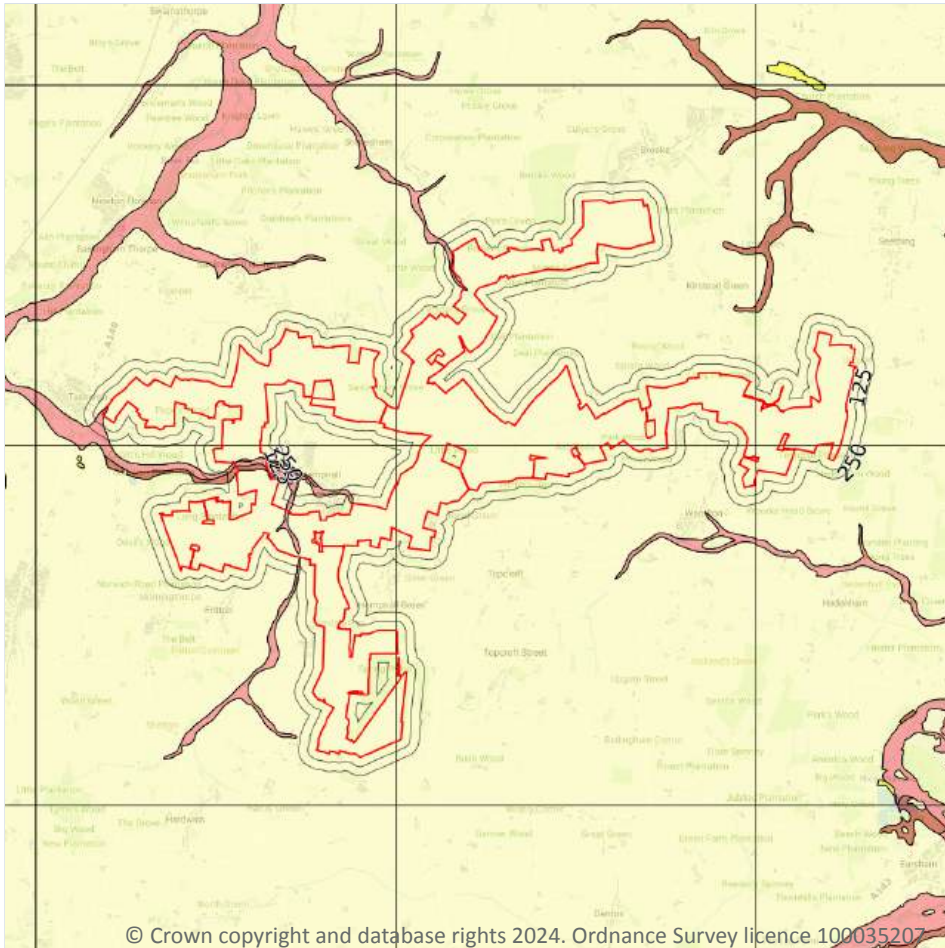
| Location | Hazard rating | Details  |
|----------|---------------|--|
| On site  | Negligible    | Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions. |

| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Very low      | Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly. |
| On site  | Low           | Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.    |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

Records within 50m

3

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 297](#) >

| Location | Hazard rating | Details  |
|----------|---------------|--|
| On site  | Negligible    | Compressible strata are not thought to occur.  |
| On site  | Moderate      | Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site. |

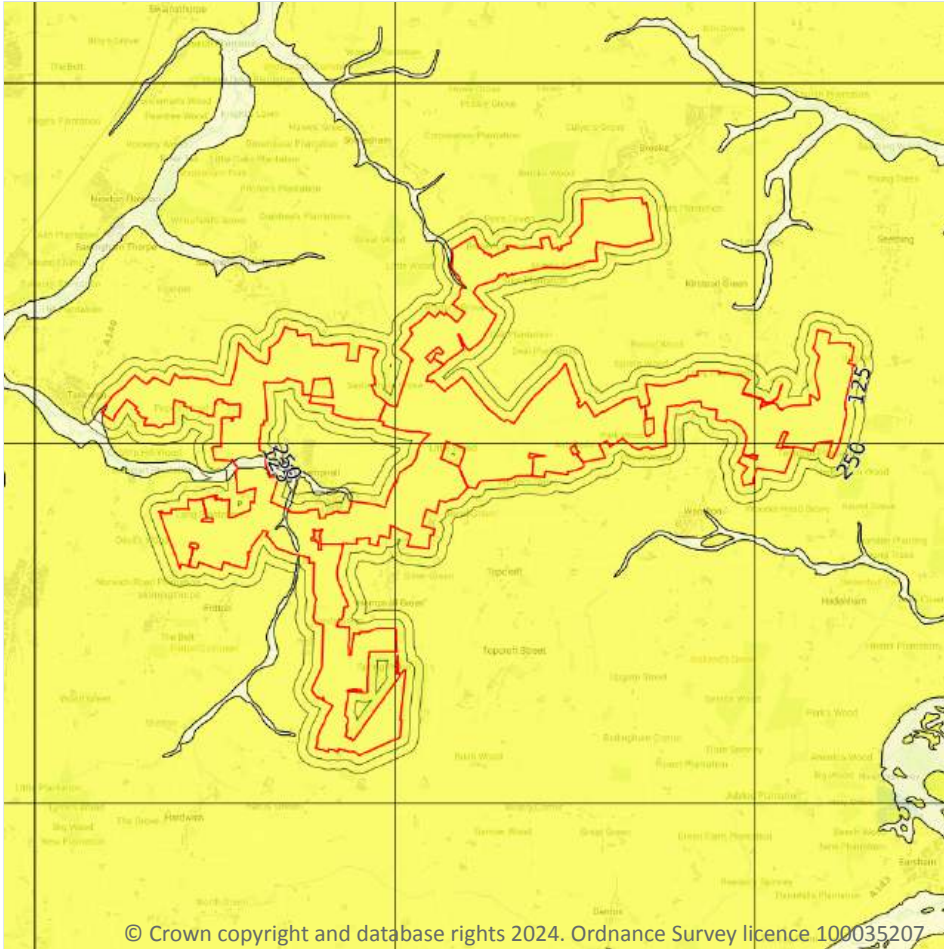


| Location | Hazard rating | Details  |
|----------|---------------|--|
| On site  | High          | Highly compressible strata present. Significant constraint on land use depending on thickness. |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.4 Collapsible deposits

Records within 50m

2

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 299 >](#)

| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Negligible    | Deposits with potential to collapse when loaded and saturated are believed not to be present. |
| On site  | Very low      | Deposits with potential to collapse when loaded and saturated are unlikely to be present.     |

*This data is sourced from the British Geological Survey.*



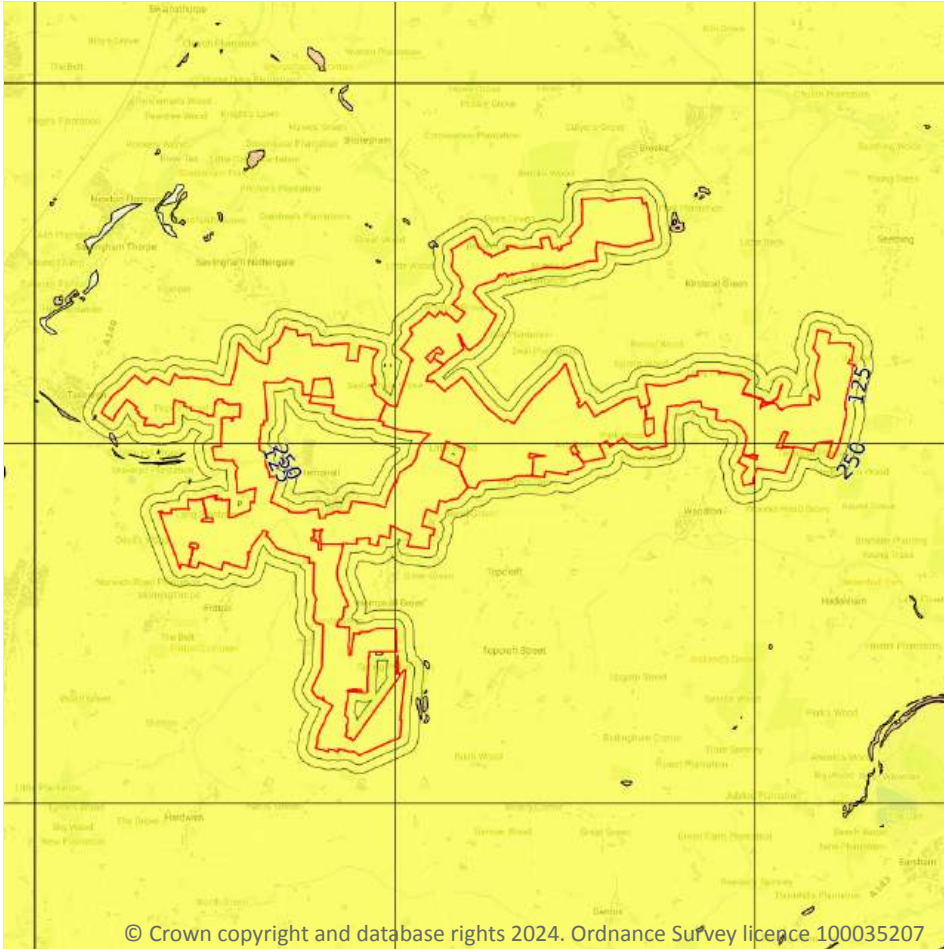
Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

## Natural ground subsidence - Landslides



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.5 Landslides

Records within 50m

2

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on [page 300](#) >

| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Very low      | Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered. |

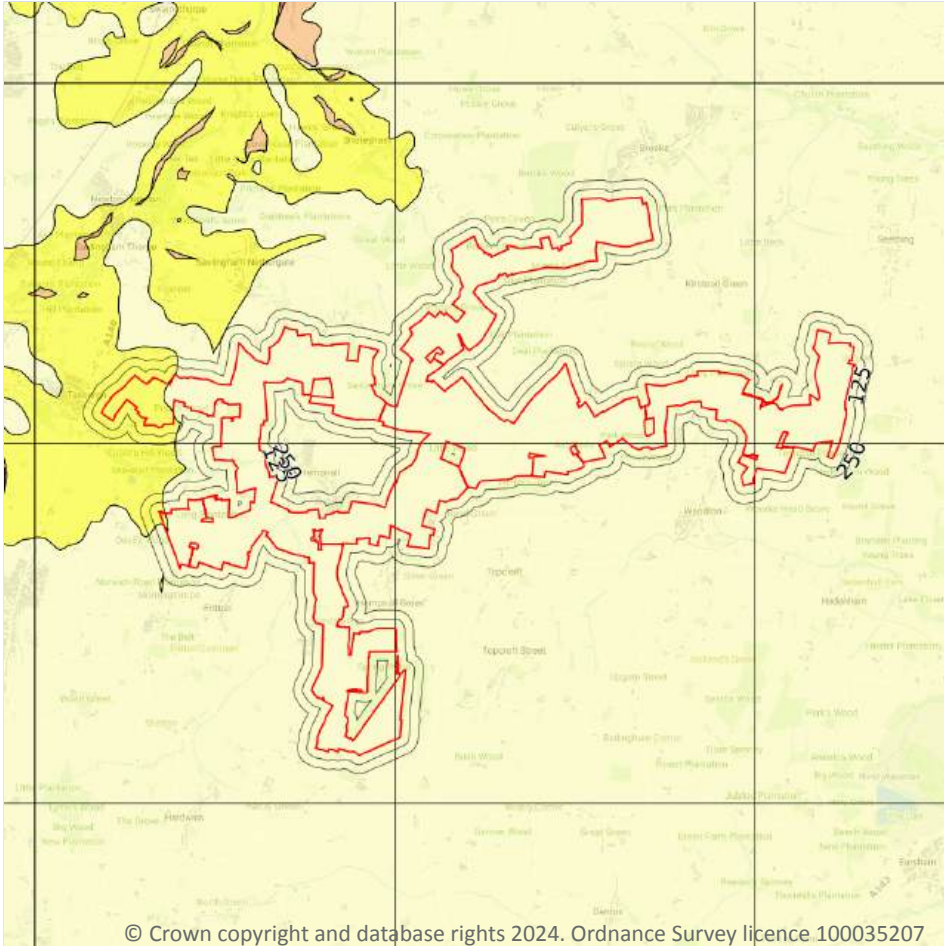


| Location | Hazard rating | Details  |
|----------|---------------|--|
| 7m S     | Low           | Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site. |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Ground dissolution of soluble rocks



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### 17.6 Ground dissolution of soluble rocks

Records within 50m

2

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 302](#) >

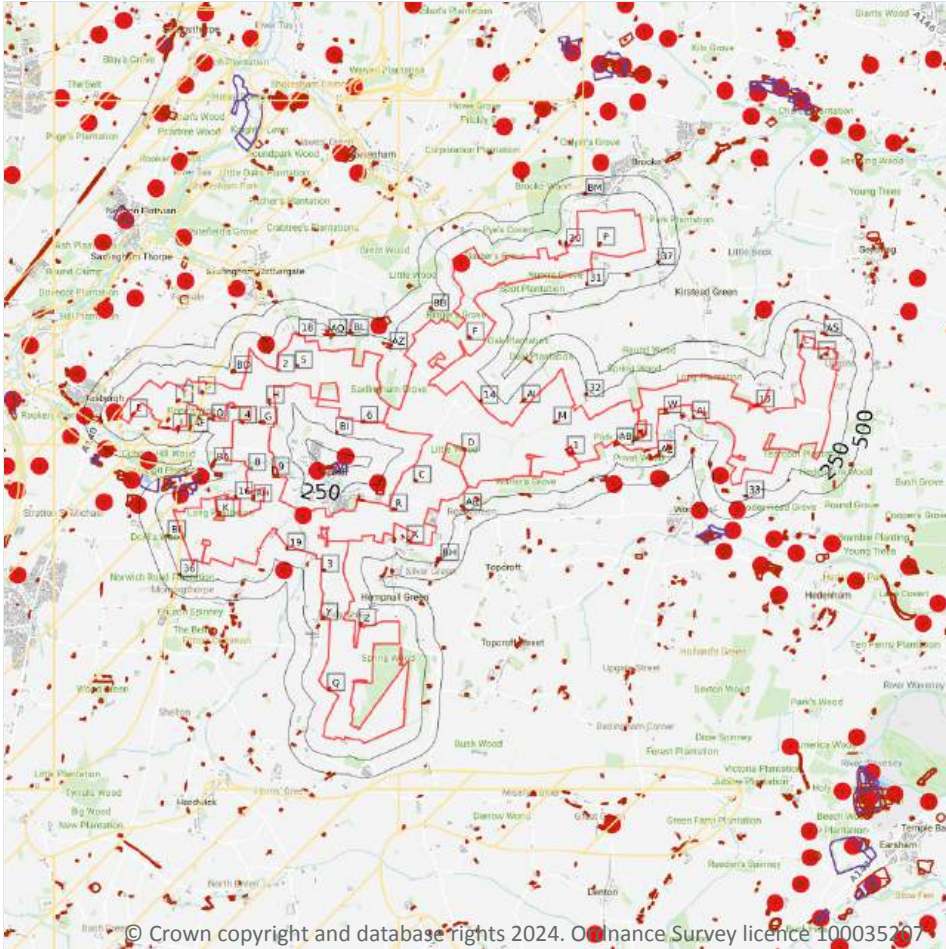
| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Negligible    | Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present. |

| Location | Hazard rating | Details  |
|----------|---------------|--|
| On site  | Very low      | <b>Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.</b> |

*This data is sourced from the British Geological Survey.*



## 18 Mining and ground workings



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- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

### 18.1 BritPits

Records within 500m

22

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on [page 304](#) >

| ID | Location | Details  | Description  |
|----|----------|--|--|
| A  | On site  | <b>Name: Market Lane Pit</b><br><b>Address: Shotesham, NORWICH, Norfolk</b><br><b>Commodity: Clay &amp; Shale</b><br><b>Status: Ceased</b>             | <b>Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site</b><br><b>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority</b> |
| B  | On site  | <b>Name: Beech Farm Pit</b><br><b>Address: Fritton, Morningthorpe, NORWICH, Norfolk</b><br><b>Commodity: Clay &amp; Shale</b><br><b>Status: Ceased</b> | <b>Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site</b><br><b>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority</b> |
| AG | 73m W    | <b>Name: Hill Farm Pit</b><br><b>Address: Tasburgh, NORWICH, Norfolk</b><br><b>Commodity: Sand &amp; Gravel</b><br><b>Status: Ceased</b>               | <b>Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site</b><br><b>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority</b> |
| AT | 141m E   | <b>Name: Woodton Pit</b><br><b>Address: Woodton, BUNGAY, Norfolk</b><br><b>Commodity: Clay &amp; Shale</b><br><b>Status: Ceased</b>                    | <b>Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site</b><br><b>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority</b> |
| AY | 148m W   | <b>Name: Tasburgh Hill Pit</b><br><b>Address: Tasburgh, NORWICH, Norfolk</b><br><b>Commodity: Sand &amp; Gravel</b><br><b>Status: Ceased</b>           | <b>Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site</b><br><b>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority</b> |
| AT | 153m E   | <b>Name: Woodton Pit</b><br><b>Address: Woodton, BUNGAY, Norfolk</b><br><b>Commodity: Clay &amp; Shale</b><br><b>Status: Ceased</b>                    | <b>Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site</b><br><b>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority</b> |





| ID | Location | Details   | Description  |
|----|----------|---|--|
| AN | 210m W   | Name: Hall Farm Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased                 | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| AW | 215m NW  | Name: Plummer's Lane Brick Works<br>Address: Saxlingham Nethergate, Newton Flotman, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| AV | 261m SW  | Name: Hempnall Gravel Pit<br>Address: Hempnall, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased                                    | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| BN | 320m W   | Name: Stable Plantation Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased        | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| 45 | 346m W   | Name: Morningthorpe<br>Address: Morningthorpe, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased                                     | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| CB | 353m SW  | Name: Maltoft Cottages Pit<br>Address: Fritton, Morningthorpe, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased                      | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |



| ID | Location | Details  | Description  |
|----|----------|--|--|
| BY | 359m E   | Name: Woodton Pit<br>Address: Woodton, BUNGAY, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased  | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| CJ | 406m NW  | Name: Saxlingham Green Brick Field<br>Address: Saxlingham Green, Hempnall, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased             | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| BX | 426m W   | Name: Gravelpit Plantation Gravel Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| CF | 429m E   | Name: Church Road Sand Pit<br>Address: Woodton, BUNGAY, Norfolk<br>Commodity: Sand<br>Status: Ceased   | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| CN | 448m E   | Name: Church Road Gravel Pit<br>Address: Woodton, BUNGAY, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased                                      | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| CR | 453m W   | Name: The Hollies Pit<br>Address: Hempnall, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased   | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |



| ID | Location | Details   | Description  |
|----|----------|---|--|
| CM | 471m W   | Name: Tasburgh Hill Gravel Pit<br>Address: Tasburgh, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased                         | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| CL | 472m E   | Name: Church Road Sand Pit<br>Address: Woodton, BUNGAY, Norfolk<br>Commodity: Sand<br>Status: Ceased  | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| CT | 495m W   | Name: Mill Farm Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased          | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| CW | 499m W   | Name: Cubitt's Hill Wood Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |

This data is sourced from the British Geological Survey.

## 18.2 Surface ground workings

Records within 250m

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Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 304 >](#)

| ID | Location | Land Use         | Year of mapping | Mapping scale |
|----|----------|------------------|-----------------|---------------|
| 1  | On site  | Unspecified Beds | 1979            | 1:10000       |
| 2  | On site  | Unspecified Hole | 1907            | 1:10560       |
| 3  | On site  | Ponds            | 1883            | 1:10560       |



| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| 4  | On site  | Ponds                       | 1951            | 1:10560       |
| 5  | On site  | Pond                        | 1951            | 1:10560       |
| 6  | On site  | Pond                        | 1951            | 1:10560       |
| 7  | On site  | Pond                        | 1957            | 1:10560       |
| 8  | On site  | Unspecified Ground Workings | 1881            | 1:10560       |
| 9  | On site  | Sewage Works                | 1979            | 1:10000       |
| 10 | On site  | Unspecified Heap            | 1973            | 1:10000       |
| A  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| A  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| A  | On site  | Unspecified Pit             | 1957            | 1:10560       |
| A  | On site  | Unspecified Pit             | 1946            | 1:10560       |
| A  | On site  | Unspecified Pit             | 1881            | 1:10560       |
| B  | On site  | Unspecified Pit             | 1906            | 1:10560       |
| B  | On site  | Unspecified Pit             | 1946            | 1:10560       |
| B  | On site  | Unspecified Pit             | 1906            | 1:10560       |
| B  | On site  | Unspecified Pit             | 1951            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1951            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1946            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1881            | 1:10560       |
| D  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| D  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| E  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| E  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| E  | On site  | Unspecified Pit             | 1951            | 1:10560       |
| E  | On site  | Unspecified Pit             | 1946            | 1:10560       |
| E  | On site  | Unspecified Pit             | 1883            | 1:10560       |



| ID | Location | Land Use | Year of mapping | Mapping scale |
|----|----------|----------|-----------------|---------------|
| F  | On site  | Pond     | 1907            | 1:10560       |
| F  | On site  | Pond     | 1957            | 1:10560       |
| F  | On site  | Pond     | 1978            | 1:10000       |
| G  | On site  | Ponds    | 1907            | 1:10560       |
| G  | On site  | Ponds    | 1946            | 1:10560       |
| G  | On site  | Pond     | 1881            | 1:10560       |
| G  | On site  | Pond     | 1951            | 1:10560       |
| G  | On site  | Pond     | 1977            | 1:10000       |
| H  | On site  | Pond     | 1907            | 1:10560       |
| H  | On site  | Pond     | 1951            | 1:10560       |
| H  | On site  | Pond     | 1977            | 1:10000       |
| I  | On site  | Pond     | 1907            | 1:10560       |
| I  | On site  | Pond     | 1946            | 1:10560       |
| I  | On site  | Pond     | 1883            | 1:10560       |
| I  | On site  | Pond     | 1951            | 1:10560       |
| I  | On site  | Pond     | 1977            | 1:10000       |
| J  | On site  | Pond     | 1907            | 1:10560       |
| J  | On site  | Pond     | 1946            | 1:10560       |
| J  | On site  | Pond     | 1883            | 1:10560       |
| J  | On site  | Pond     | 1951            | 1:10560       |
| J  | On site  | Pond     | 1977            | 1:10000       |
| K  | On site  | Pond     | 1907            | 1:10560       |
| K  | On site  | Pond     | 1946            | 1:10560       |
| K  | On site  | Pond     | 1951            | 1:10560       |
| K  | On site  | Pond     | 1979            | 1:10000       |
| L  | On site  | Pond     | 1907            | 1:10560       |
| L  | On site  | Pond     | 1946            | 1:10560       |
| L  | On site  | Pond     | 1884            | 1:10560       |



| ID | Location | Land Use        | Year of mapping | Mapping scale |
|----|----------|-----------------|-----------------|---------------|
| L  | On site  | Pond            | 1973            | 1:10000       |
| M  | On site  | Pond            | 1907            | 1:10560       |
| M  | On site  | Pond            | 1946            | 1:10560       |
| M  | On site  | Pond            | 1884            | 1:10560       |
| N  | On site  | Pond            | 1884            | 1:10560       |
| N  | On site  | Pond            | 1957            | 1:10560       |
| O  | On site  | Ponds           | 1946            | 1:10560       |
| O  | On site  | Ponds           | 1883            | 1:10560       |
| P  | On site  | Ponds           | 1946            | 1:10560       |
| P  | On site  | Ponds           | 1884            | 1:10560       |
| P  | On site  | Ponds           | 1957            | 1:10560       |
| P  | On site  | Ponds           | 1978            | 1:10000       |
| Q  | On site  | Pond            | 1946            | 1:10560       |
| Q  | On site  | Pond            | 1883            | 1:10560       |
| R  | On site  | Ponds           | 1946            | 1:10560       |
| R  | On site  | Ponds           | 1883            | 1:10560       |
| S  | On site  | Ponds           | 1951            | 1:10560       |
| S  | On site  | Ponds           | 1977            | 1:10000       |
| T  | On site  | Ponds           | 1951            | 1:10560       |
| T  | On site  | Ponds           | 1977            | 1:10000       |
| U  | On site  | Pond            | 1977            | 1:10000       |
| V  | On site  | Ponds           | 1979            | 1:10000       |
| V  | 2m SW    | Ponds           | 1881            | 1:10560       |
| U  | 3m W     | Pond            | 1907            | 1:10560       |
| W  | 3m E     | Pond            | 1907            | 1:10560       |
| U  | 3m W     | Water Body      | 1883            | 1:10560       |
| 13 | 3m E     | Unspecified Pit | 1973            | 1:10000       |
| X  | 3m S     | Pond            | 1906            | 1:10560       |



| ID | Location | Land Use | Year of mapping | Mapping scale |
|----|----------|----------|-----------------|---------------|
| X  | 4m S     | Pond     | 1951            | 1:10560       |
| W  | 5m E     | Pond     | 1957            | 1:10560       |
| W  | 5m E     | Pond     | 1978            | 1:10000       |
| 14 | 5m NE    | Pond     | 1978            | 1:10000       |
| 15 | 5m E     | Pond     | 1957            | 1:10560       |
| Y  | 7m SW    | Pond     | 1979            | 1:10000       |
| 16 | 8m W     | Ponds    | 1979            | 1:10000       |
| Y  | 9m SW    | Pond     | 1946            | 1:10560       |
| Y  | 9m SW    | Pond     | 1883            | 1:10560       |
| 17 | 9m E     | Pond     | 1951            | 1:10560       |
| Y  | 10m SW   | Pond     | 1906            | 1:10560       |
| Z  | 11m SW   | Pond     | 1906            | 1:10560       |
| Z  | 13m SW   | Pond     | 1946            | 1:10560       |
| Z  | 13m SW   | Pond     | 1883            | 1:10560       |
| Z  | 13m SW   | Pond     | 1951            | 1:10560       |
| AA | 15m W    | Pond     | 1977            | 1:10000       |
| AB | 15m E    | Pond     | 1957            | 1:10560       |
| AB | 15m E    | Pond     | 1907            | 1:10560       |
| 18 | 16m NW   | Pond     | 1977            | 1:10000       |
| Z  | 17m SW   | Pond     | 1979            | 1:10000       |
| AA | 18m W    | Pond     | 1946            | 1:10560       |
| AA | 18m W    | Pond     | 1881            | 1:10560       |
| AA | 19m W    | Pond     | 1951            | 1:10560       |
| 19 | 22m SW   | Pond     | 1906            | 1:10560       |
| AC | 26m SW   | Pond     | 1946            | 1:10560       |
| AC | 26m SW   | Pond     | 1883            | 1:10560       |
| 20 | 28m NE   | Ponds    | 1884            | 1:10560       |
| AC | 36m SW   | Pond     | 1906            | 1:10560       |



| ID | Location | Land Use        | Year of mapping | Mapping scale |
|----|----------|-----------------|-----------------|---------------|
| AD | 43m SW   | Unspecified Pit | 1907            | 1:10560       |
| AD | 43m SW   | Unspecified Pit | 1907            | 1:10560       |
| AE | 44m E    | Ponds           | 1979            | 1:10000       |
| AD | 45m SW   | Unspecified Pit | 1946            | 1:10560       |
| 21 | 45m W    | Pond            | 1907            | 1:10560       |
| AF | 56m W    | Ponds           | 1951            | 1:10560       |
| AG | 57m W    | Unspecified Pit | 1946            | 1:10560       |
| AF | 57m W    | Pond            | 1907            | 1:10560       |
| AF | 58m W    | Pond            | 1946            | 1:10560       |
| AF | 58m W    | Ponds           | 1883            | 1:10560       |
| AH | 58m W    | Ponds           | 1946            | 1:10560       |
| AH | 58m W    | Ponds           | 1881            | 1:10560       |
| AG | 59m W    | Unspecified Pit | 1951            | 1:10560       |
| AG | 59m W    | Unspecified Pit | 1907            | 1:10560       |
| AG | 59m W    | Unspecified Pit | 1907            | 1:10560       |
| AG | 60m W    | Unspecified Pit | 1883            | 1:10560       |
| AH | 60m W    | Ponds           | 1951            | 1:10560       |
| AH | 62m W    | Ponds           | 1907            | 1:10560       |
| AF | 64m W    | Ponds           | 1977            | 1:10000       |
| W  | 64m E    | Pond            | 1957            | 1:10560       |
| 22 | 65m W    | Unspecified Pit | 1951            | 1:10560       |
| AI | 72m NE   | Pond            | 1907            | 1:10560       |
| AI | 73m NE   | Pond            | 1957            | 1:10560       |
| AI | 73m NE   | Pond            | 1978            | 1:10000       |
| AJ | 74m E    | Unspecified Pit | 1946            | 1:10560       |
| AK | 75m E    | Pond            | 1951            | 1:10560       |
| AJ | 75m E    | Unspecified Pit | 1907            | 1:10560       |
| AJ | 75m E    | Unspecified Pit | 1907            | 1:10560       |





| ID | Location | Land Use        | Year of mapping | Mapping scale |
|----|----------|-----------------|-----------------|---------------|
| AJ | 78m E    | Unspecified Pit | 1957            | 1:10560       |
| AK | 79m E    | Pond            | 1946            | 1:10560       |
| AL | 79m W    | Pond            | 1883            | 1:10560       |
| AE | 82m E    | Ponds           | 1946            | 1:10560       |
| AE | 82m E    | Ponds           | 1884            | 1:10560       |
| AL | 83m W    | Pond            | 1946            | 1:10560       |
| AE | 83m E    | Ponds           | 1951            | 1:10560       |
| AE | 84m E    | Ponds           | 1907            | 1:10560       |
| AH | 84m W    | Ponds           | 1979            | 1:10000       |
| AL | 85m W    | Pond            | 1907            | 1:10560       |
| 23 | 88m NE   | Pond            | 1978            | 1:10000       |
| AM | 88m SW   | Pond            | 1946            | 1:10560       |
| AM | 88m SW   | Pond            | 1883            | 1:10560       |
| AL | 89m W    | Pond            | 1951            | 1:10560       |
| AM | 89m SW   | Pond            | 1951            | 1:10560       |
| AM | 89m SW   | Pond            | 1979            | 1:10000       |
| AM | 91m SW   | Pond            | 1906            | 1:10560       |
| AN | 101m W   | Pond            | 1907            | 1:10560       |
| AN | 101m W   | Ponds           | 1946            | 1:10560       |
| AN | 101m W   | Ponds           | 1883            | 1:10560       |
| 24 | 105m SW  | Pond            | 1883            | 1:10560       |
| AK | 106m E   | Pond            | 1884            | 1:10560       |
| AO | 107m E   | Ponds           | 1946            | 1:10560       |
| AO | 107m E   | Ponds           | 1884            | 1:10560       |
| AO | 108m E   | Pond            | 1907            | 1:10560       |
| AO | 108m E   | Pond            | 1979            | 1:10000       |
| AN | 109m W   | Pond            | 1979            | 1:10000       |
| AK | 109m E   | Pond            | 1907            | 1:10560       |



| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| AO | 112m E   | Pond                        | 1951            | 1:10560       |
| AK | 116m E   | Pond                        | 1979            | 1:10000       |
| 25 | 117m W   | Unspecified Ground Workings | 1883            | 1:10560       |
| AP | 118m E   | Ponds                       | 1946            | 1:10560       |
| AP | 118m E   | Ponds                       | 1884            | 1:10560       |
| AQ | 120m NW  | Ponds                       | 1951            | 1:10560       |
| AR | 120m S   | Pond                        | 1951            | 1:10560       |
| AQ | 122m NW  | Pond                        | 1946            | 1:10560       |
| AR | 123m S   | Pond                        | 1946            | 1:10560       |
| AR | 123m S   | Pond                        | 1883            | 1:10560       |
| AS | 125m E   | Pond                        | 1946            | 1:10560       |
| AS | 125m E   | Pond                        | 1884            | 1:10560       |
| AR | 125m S   | Pond                        | 1979            | 1:10000       |
| AT | 126m E   | Unspecified Pit             | 1884            | 1:10560       |
| AU | 126m E   | Pond                        | 1907            | 1:10560       |
| AS | 127m E   | Pond                        | 1957            | 1:10560       |
| AV | 127m SW  | Burial Ground               | 1907            | 1:10560       |
| AW | 127m NW  | Brick Works                 | 1907            | 1:10560       |
| AW | 127m NW  | Brick Works                 | 1907            | 1:10560       |
| AX | 128m E   | Pond                        | 1951            | 1:10560       |
| AX | 128m E   | Pond                        | 1979            | 1:10000       |
| AU | 128m E   | Pond                        | 1957            | 1:10560       |
| AU | 128m E   | Pond                        | 1978            | 1:10000       |
| AU | 129m E   | Pond                        | 1946            | 1:10560       |
| AU | 129m E   | Pond                        | 1884            | 1:10560       |
| 26 | 130m SW  | Pond                        | 1979            | 1:10000       |
| AY | 130m W   | Unspecified Pit             | 1907            | 1:10560       |
| AY | 130m W   | Unspecified Pit             | 1907            | 1:10560       |



| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| AX | 130m E   | Pond                        | 1907            | 1:10560       |
| AY | 130m W   | Unspecified Pit             | 1946            | 1:10560       |
| AY | 130m W   | Unspecified Pit             | 1883            | 1:10560       |
| AS | 131m E   | Pond                        | 1907            | 1:10560       |
| AR | 131m S   | Pond                        | 1906            | 1:10560       |
| AS | 131m E   | Pond                        | 1973            | 1:10000       |
| AZ | 132m NW  | Pond                        | 1951            | 1:10560       |
| 27 | 132m SW  | Pond                        | 1979            | 1:10000       |
| AY | 133m W   | Unspecified Pit             | 1951            | 1:10560       |
| AV | 133m SW  | Burial Ground               | 1946            | 1:10560       |
| AV | 133m SW  | Burial Ground               | 1881            | 1:10560       |
| AX | 134m E   | Pond                        | 1946            | 1:10560       |
| AX | 134m E   | Pond                        | 1884            | 1:10560       |
| BA | 136m W   | Unspecified Ground Workings | 1883            | 1:10560       |
| AT | 138m E   | Pond                        | 1946            | 1:10560       |
| AT | 138m E   | Pond                        | 1884            | 1:10560       |
| AZ | 138m NW  | Ponds                       | 1946            | 1:10560       |
| AZ | 138m NW  | Ponds                       | 1881            | 1:10560       |
| BA | 141m W   | Unspecified Ground Workings | 1946            | 1:10560       |
| AT | 142m E   | Unspecified Pit             | 1907            | 1:10560       |
| AT | 142m E   | Unspecified Pit             | 1907            | 1:10560       |
| BA | 143m W   | Unspecified Ground Workings | 1951            | 1:10560       |
| BB | 143m N   | Pond                        | 1957            | 1:10560       |
| BA | 143m W   | Unspecified Ground Workings | 1907            | 1:10560       |
| BA | 143m W   | Unspecified Ground Workings | 1907            | 1:10560       |
| BB | 143m N   | Pond                        | 1907            | 1:10560       |
| AT | 144m E   | Unspecified Pit             | 1951            | 1:10560       |
| BB | 144m N   | Pond                        | 1946            | 1:10560       |



| ID | Location | Land Use            | Year of mapping | Mapping scale |
|----|----------|---------------------|-----------------|---------------|
| BB | 144m N   | Pond                | 1881            | 1:10560       |
| BC | 145m SE  | Pond                | 1979            | 1:10000       |
| BC | 146m SE  | Pond                | 1946            | 1:10560       |
| BC | 146m SE  | Pond                | 1881            | 1:10560       |
| AN | 150m W   | Pond                | 1907            | 1:10560       |
| AW | 151m NW  | Brick Works         | 1946            | 1:10560       |
| 29 | 153m W   | Sand and Gravel Pit | 1979            | 1:10000       |
| AN | 153m W   | Pond                | 1951            | 1:10560       |
| AN | 153m W   | Pond                | 1979            | 1:10000       |
| AW | 154m NW  | Unspecified Pit     | 1907            | 1:10560       |
| AW | 154m NW  | Unspecified Pit     | 1907            | 1:10560       |
| AW | 155m NW  | Unspecified Pit     | 1946            | 1:10560       |
| AW | 155m NW  | Unspecified Pit     | 1951            | 1:10560       |
| AW | 156m NW  | Ponds               | 1951            | 1:10560       |
| BD | 156m W   | Ponds               | 1977            | 1:10000       |
| AW | 157m NW  | Pond                | 1907            | 1:10560       |
| AW | 158m NW  | Ponds               | 1946            | 1:10560       |
| BE | 159m W   | Ponds               | 1946            | 1:10560       |
| BE | 159m W   | Ponds               | 1883            | 1:10560       |
| BD | 166m W   | Ponds               | 1946            | 1:10560       |
| BD | 166m W   | Ponds               | 1951            | 1:10560       |
| AQ | 167m NW  | Water Body          | 1881            | 1:10560       |
| 30 | 169m NW  | Pond                | 1907            | 1:10560       |
| BF | 169m W   | Pond                | 1883            | 1:10560       |
| BD | 171m W   | Ponds               | 1881            | 1:10560       |
| BF | 171m W   | Ponds               | 1979            | 1:10000       |
| AX | 172m E   | Pond                | 1951            | 1:10560       |
| AX | 172m E   | Pond                | 1979            | 1:10000       |



| ID | Location | Land Use         | Year of mapping | Mapping scale |
|----|----------|------------------|-----------------|---------------|
| AW | 174m NW  | Unspecified Pit  | 1946            | 1:10560       |
| AW | 174m NW  | Unspecified Pit  | 1951            | 1:10560       |
| AX | 175m E   | Pond             | 1907            | 1:10560       |
| AW | 176m NW  | Unspecified Pit  | 1907            | 1:10560       |
| AW | 176m NW  | Unspecified Pit  | 1907            | 1:10560       |
| 31 | 177m NE  | Pond             | 1907            | 1:10560       |
| 32 | 177m E   | Pond             | 1907            | 1:10560       |
| AZ | 178m NW  | Pond             | 1951            | 1:10560       |
| AZ | 181m NW  | Pond             | 1907            | 1:10560       |
| AW | 182m NW  | Unspecified Pit  | 1951            | 1:10560       |
| BG | 183m NW  | Pond             | 1951            | 1:10560       |
| AW | 183m NW  | Unspecified Pits | 1946            | 1:10560       |
| BG | 184m NW  | Pond             | 1946            | 1:10560       |
| AW | 184m NW  | Unspecified Pit  | 1907            | 1:10560       |
| AW | 184m NW  | Unspecified Pit  | 1907            | 1:10560       |
| 33 | 189m E   | Pond             | 1928            | 1:10560       |
| BG | 189m NW  | Pond             | 1977            | 1:10000       |
| AW | 191m NW  | Unspecified Pit  | 1951            | 1:10560       |
| AW | 193m NW  | Unspecified Pit  | 1907            | 1:10560       |
| AW | 193m NW  | Unspecified Pit  | 1907            | 1:10560       |
| AN | 194m W   | Unspecified Pit  | 1951            | 1:10560       |
| 34 | 195m W   | Pond             | 1979            | 1:10000       |
| AN | 195m W   | Unspecified Pit  | 1907            | 1:10560       |
| AN | 195m W   | Unspecified Pit  | 1907            | 1:10560       |
| AN | 196m W   | Unspecified Pit  | 1946            | 1:10560       |
| AN | 196m W   | Unspecified Pit  | 1883            | 1:10560       |
| BH | 207m S   | Ponds            | 1946            | 1:10560       |
| BH | 207m S   | Ponds            | 1883            | 1:10560       |



| ID | Location | Land Use         | Year of mapping | Mapping scale |
|----|----------|------------------|-----------------|---------------|
| BI | 213m W   | Pond             | 1951            | 1:10560       |
| BI | 216m W   | Pond             | 1907            | 1:10560       |
| BJ | 219m NW  | Water Body       | 1881            | 1:10560       |
| BK | 220m E   | Ponds            | 1946            | 1:10560       |
| BK | 220m E   | Ponds            | 1884            | 1:10560       |
| BL | 220m NW  | Pond             | 1977            | 1:10000       |
| BJ | 220m NW  | Pond             | 1946            | 1:10560       |
| BL | 223m NW  | Pond             | 1951            | 1:10560       |
| BL | 223m NW  | Pond             | 1907            | 1:10560       |
| BL | 225m NW  | Ponds            | 1946            | 1:10560       |
| BL | 225m NW  | Ponds            | 1881            | 1:10560       |
| BK | 226m E   | Ponds            | 1907            | 1:10560       |
| 36 | 226m SW  | Ponds            | 1883            | 1:10560       |
| BK | 227m E   | Ponds            | 1951            | 1:10560       |
| AV | 231m SW  | Pond             | 1907            | 1:10560       |
| 37 | 232m NE  | Pond             | 1978            | 1:10000       |
| BM | 232m NE  | Pond             | 1957            | 1:10560       |
| BM | 232m NE  | Pond             | 1978            | 1:10000       |
| AV | 233m SW  | Unspecified Pit  | 1946            | 1:10560       |
| AV | 234m SW  | Unspecified Pit  | 1951            | 1:10560       |
| AV | 234m SW  | Unspecified Pit  | 1979            | 1:10000       |
| BH | 234m S   | Pond             | 1979            | 1:10000       |
| BM | 235m NE  | Pond             | 1908            | 1:10560       |
| BN | 238m W   | Unspecified Pits | 1883            | 1:10560       |
| BO | 243m E   | Pond             | 1951            | 1:10560       |
| BO | 243m E   | Pond             | 1979            | 1:10000       |
| AV | 243m SW  | Gravel Pit       | 1881            | 1:10560       |
| BO | 245m E   | Pond             | 1946            | 1:10560       |



| ID | Location | Land Use        | Year of mapping | Mapping scale |
|----|----------|-----------------|-----------------|---------------|
| BO | 245m E   | Pond            | 1884            | 1:10560       |
| BP | 245m W   | Unspecified Pit | 1946            | 1:10560       |
| BO | 247m E   | Pond            | 1907            | 1:10560       |
| BP | 247m W   | Unspecified Pit | 1907            | 1:10560       |
| BP | 247m W   | Unspecified Pit | 1907            | 1:10560       |

This is data is sourced from Ordnance Survey/Groundsure.

### 18.3 Underground workings

**Records within 1000m**

**0**

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

### 18.4 Underground mining extents

**Records within 500m**

**0**

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

### 18.5 Historical Mineral Planning Areas

**Records within 500m**

**5**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on [page 304 >](#)

| ID | Location | Site Name    | Mineral                          | Type                    | Planning Status | Planning Status Date |
|----|----------|--------------|----------------------------------|-------------------------|-----------------|----------------------|
| 28 | 135m W   | Boyland Hall | Sand and gravel, chert and flint | Surface mineral working | Valid           | 02/05/73             |



| ID | Location | Site Name    | Mineral                          | Type                    | Planning Status | Planning Status Date |
|----|----------|--------------|----------------------------------|-------------------------|-----------------|----------------------|
| 38 | 242m W   | Boyland Hall | Sand and gravel, chert and flint | Surface mineral working | Valid           | 25/01/64             |
| 42 | 325m W   | Boyland Hall | Sand and gravel, chert and flint | Surface mineral working | Valid           | Not available        |
| 44 | 345m W   | Boyland Hall | Sand and gravel, chert and flint | Surface mineral working | Valid           | 14/04/78             |
| 53 | 439m W   | Manor House  | Sand and gravel                  | Surface mineral working | Valid           | Not available        |

This data is sourced from the British Geological Survey.

## 18.6 Non-coal mining

Records within 1000m

14

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on [page 304](#) >

| ID | Location | Name          | Commodity | Class | Likelihood  |
|----|----------|---------------|-----------|-------|---|
| 11 | On site  | Not available | Chalk     | A     | <b>Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.</b> |
| 12 | On site  | Not available | Chalk     | A     | <b>Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.</b> |
| 35 | 215m W   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.        |
| 43 | 344m NE  | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.        |





| ID | Location | Name          | Commodity | Class | Likelihood   |
|----|----------|---------------|-----------|-------|--|
| 48 | 374m W   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 57 | 553m W   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 58 | 583m S   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 59 | 610m S   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 64 | 659m N   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| DX | 664m S   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 71 | 808m S   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 75 | 872m N   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 76 | 927m W   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 81 | 983m W   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |

*This data is sourced from the British Geological Survey.*



## 18.7 JPB mining areas

Records on site

0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

Records within 500m

0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

*This data is sourced from Groundsure.*

## 18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*



### 18.11 BGS mine plans

Records within 500m

0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*

### 18.12 Coal mining

Records on site

0

Areas which could be affected by past, current or future coal mining.

*This data is sourced from the Coal Authority.*

### 18.13 Brine areas

Records on site

0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

### 18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

### 18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*



## 18.16 Clay mining

Records on site

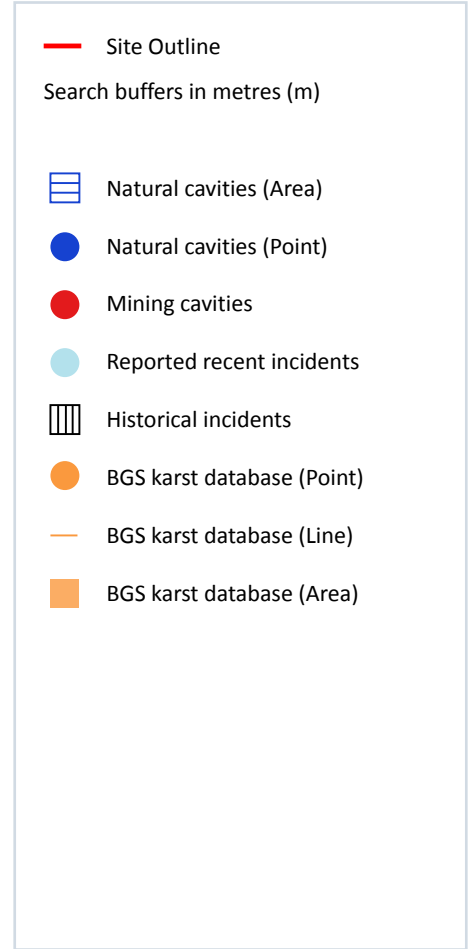
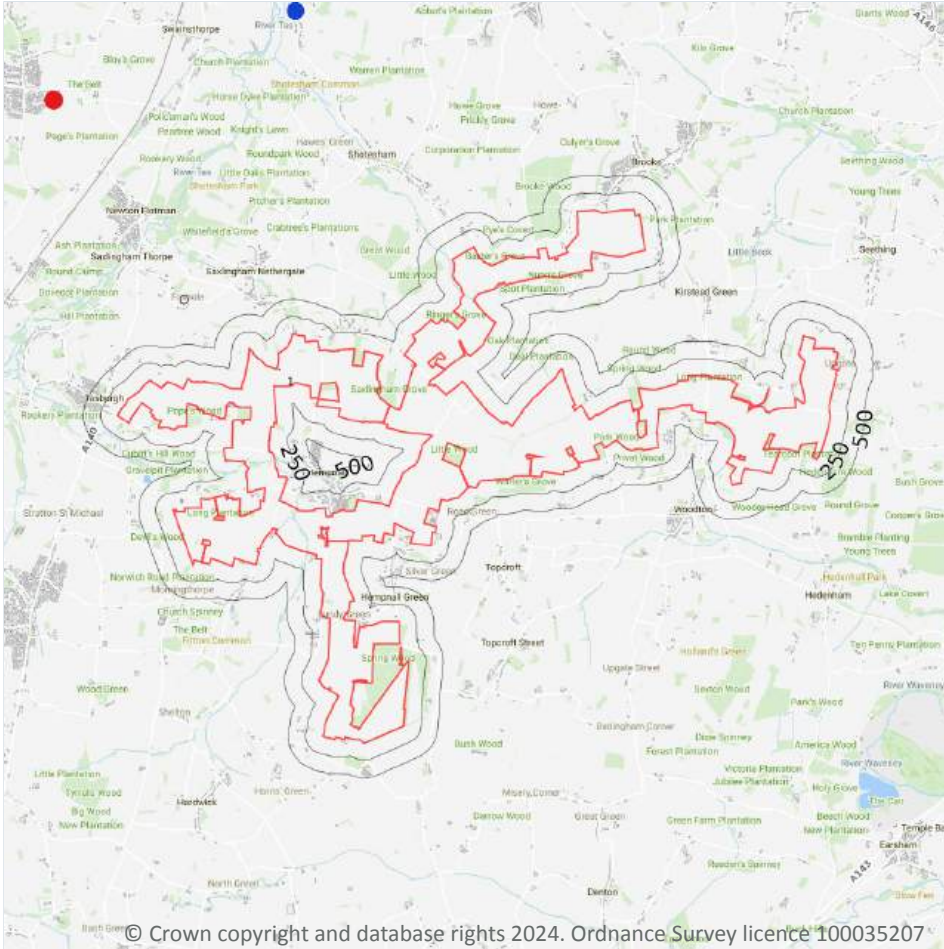
0

Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*



## 19 Ground cavities and sinkholes



### 19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Stantec UK Ltd.*

## 19.2 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

*This data is sourced from Stantec UK Ltd.*

## 19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

*This data is sourced from Groundsure.*

## 19.4 Historical incidents

Records within 500m

1

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

Features are displayed on the Ground cavities and sinkholes map on [page 326 >](#)

| ID | Location | Type             | Date of mapping |
|----|----------|------------------|-----------------|
| 1  | On site  | Unspecified Hole | 1907            |

*This data is sourced from Groundsure.*



## 19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

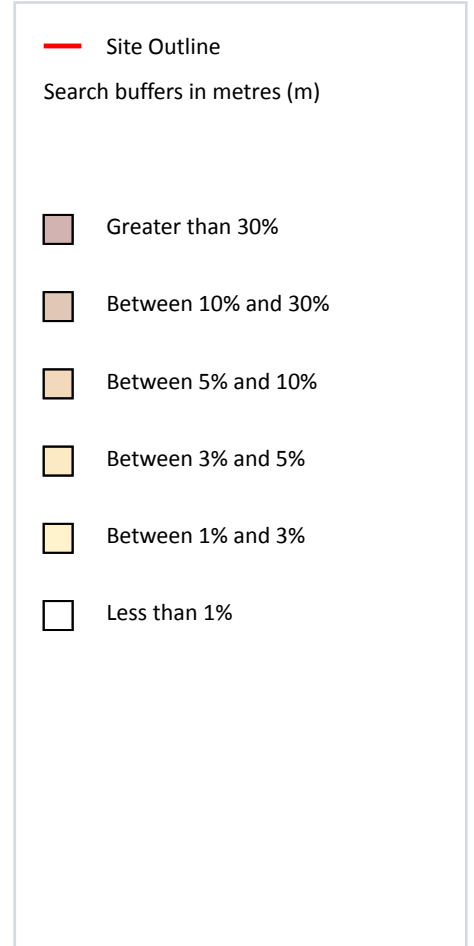
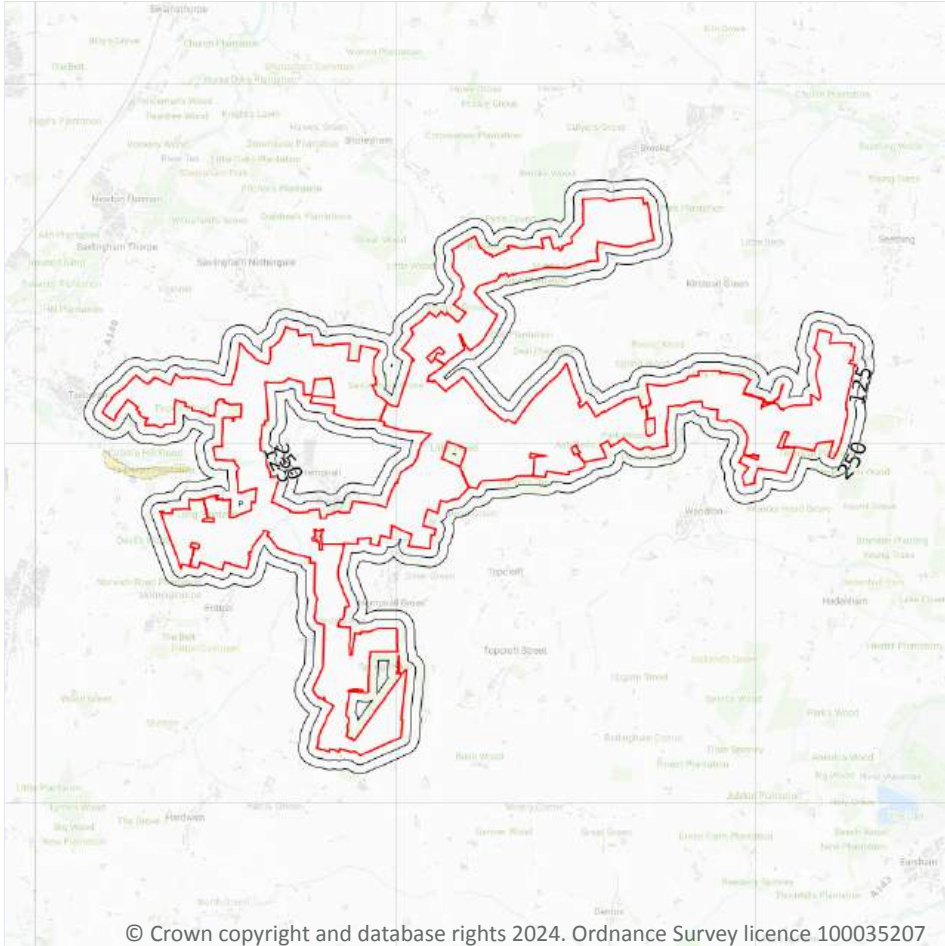
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

*This data is sourced from the British Geological Survey.*



## 20 Radon



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### 20.1 Radon

#### Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 329 >](#)

| Location | Estimated properties affected | Radon Protection Measures required |
|----------|-------------------------------|------------------------------------|
| On site  | Less than 1%                  | None                               |





*This data is sourced from the British Geological Survey and UK Health Security Agency.*



## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

320

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

| Location | Arsenic       | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|---------------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic       | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|---------------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |





| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |



| Location | Arsenic  | Bioaccessible Arsenic | Lead            | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 - 200 mg/kg | 60 - 120 mg/kg     | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 - 200 mg/kg | 60 - 120 mg/kg     | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 - 200 mg/kg | 60 - 120 mg/kg     | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 - 200 mg/kg | 60 - 120 mg/kg     | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg       | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |





| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic       | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|---------------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 7m SW    | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 8m W     | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 11m NE   | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 12m N    | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 15m SW   | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 18m SW   | 15 mg/kg      | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| 18m E    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 18m E    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 20m W    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 21m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 21m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 24m E    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 27m E    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 28m E    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 30m E    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 31m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 31m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 34m S    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 36m S    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 40m W    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 41m W    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 41m W    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 43m S    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 46m N    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| 49m W    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 50m NE   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |

*This data is sourced from the British Geological Survey.*

## 21.2 BGS Estimated Urban Soil Chemistry

**Records within 50m**

**0**

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*

## 21.3 BGS Measured Urban Soil Chemistry

**Records within 50m**

**0**

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 22 Railway infrastructure and projects

### 22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

*This data is sourced from publicly available information by Groundsure.*

### 22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

*This data is sourced from publicly available information by Groundsure.*

### 22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

### 22.4 Historical railway and tunnel features

Records within 250m

0

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

*This data is sourced from Ordnance Survey/Groundsure.*

### 22.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.



*This data is sourced from Groundsure/the Postal Museum.*

## 22.6 Historical railways

**Records within 250m**

**0**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

**Records within 250m**

**0**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 1

**Records within 500m**

**0**

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

*This data is sourced from publicly available information by Groundsure.*

## 22.9 Crossrail 2

**Records within 500m**

**0**

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

*This data is sourced from publicly available information by Groundsure.*

## 22.10 HS2

**Records within 500m**

**0**

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.



*This data is sourced from HS2 Ltd.*



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 23 August 2024

## Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

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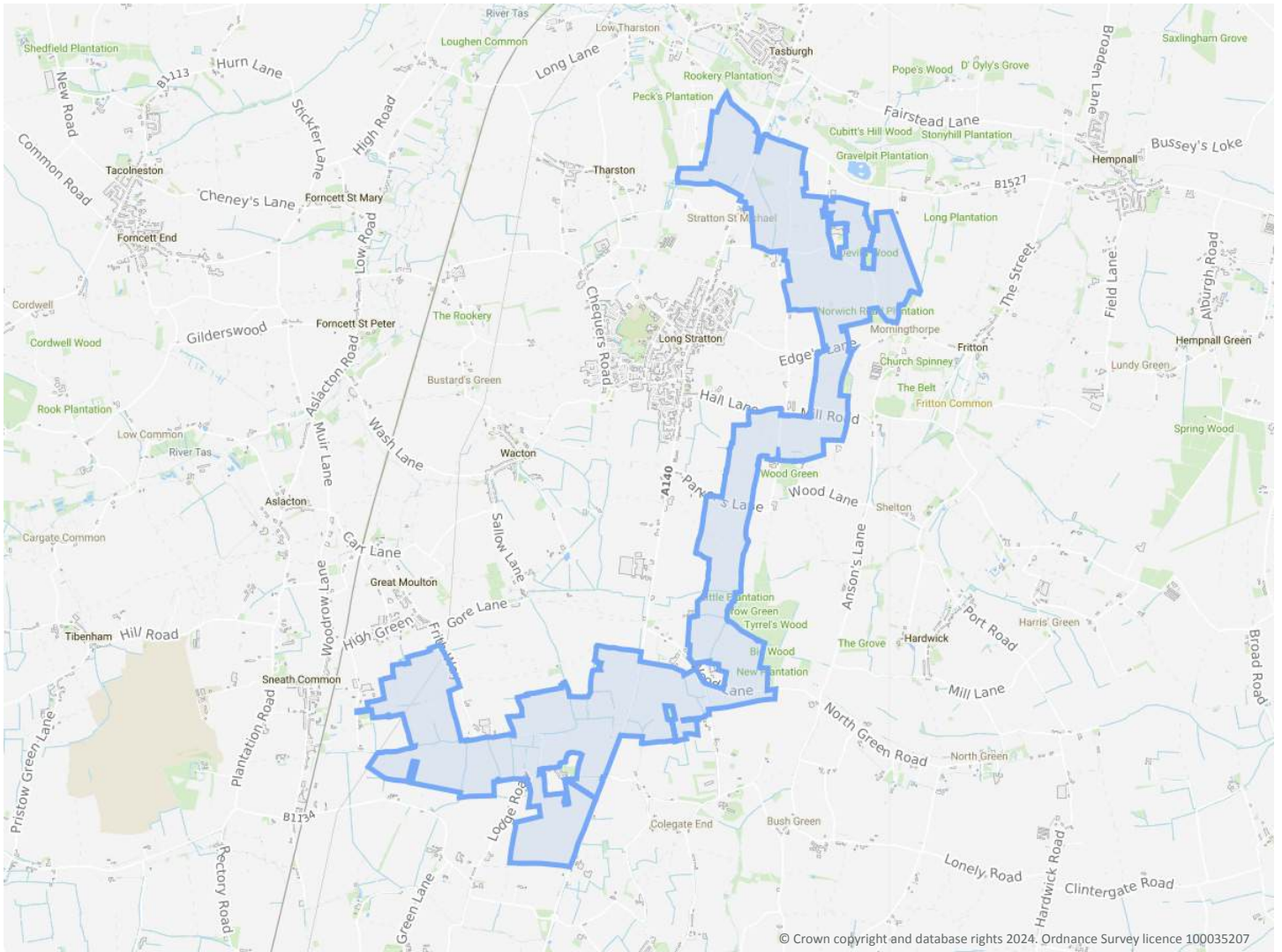
## Long Stratton

### Order Details

**Date:** 23/08/2024  
**Your ref:** East Pye Solar  
**Our Ref:** GSIP-2024-16319-20839\_B

### Site Details

**Location:** 619669 291065  
**Area:** 720.31 ha  
**Authority:** [South Norfolk District Council](#) ↗



[Summary of findings](#)

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[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

N/A: >10ha

[Insight User Guide](#) ↗

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[info@groundsure.com](mailto:info@groundsure.com) ↗

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Certified



Corporation

## Summary of findings

| Page                    | Section                  | <a href="#">Past land use &gt;</a>                        | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|-------------------------|--------------------------|---|---------|-------|---------|----------|-----------|
| <a href="#">14 &gt;</a> | <a href="#">1.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a>      | 22      | 14    | 34      | 25       | -         |
| <a href="#">18 &gt;</a> | <a href="#">1.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                     | 1       | 1     | 4       | 4        | -         |
| <a href="#">19 &gt;</a> | <a href="#">1.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>           | 0       | 0     | 1       | 3        | -         |
| 19                      | 1.4                      | Historical petrol stations                                | 0       | 0     | 0       | 0        | -         |
| <a href="#">20 &gt;</a> | <a href="#">1.5 &gt;</a> | <a href="#">Historical garages &gt;</a>                   | 0       | 0     | 0       | 1        | -         |
| 20                      | 1.6                      | Historical military land                                  | 0       | 0     | 0       | 0        | -         |
| Page                    | Section                  | <a href="#">Past land use - un-grouped &gt;</a>           | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">21 &gt;</a> | <a href="#">2.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a>      | 33      | 16    | 48      | 32       | -         |
| <a href="#">26 &gt;</a> | <a href="#">2.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                     | 1       | 1     | 5       | 7        | -         |
| <a href="#">27 &gt;</a> | <a href="#">2.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>           | 0       | 0     | 2       | 8        | -         |
| 28                      | 2.4                      | Historical petrol stations                                | 0       | 0     | 0       | 0        | -         |
| <a href="#">28 &gt;</a> | <a href="#">2.5 &gt;</a> | <a href="#">Historical garages &gt;</a>                   | 0       | 0     | 0       | 1        | -         |
| Page                    | Section                  | <a href="#">Waste and landfill &gt;</a>                   | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 29                      | 3.1                      | Active or recent landfill                                 | 0       | 0     | 0       | 0        | -         |
| 29                      | 3.2                      | Historical landfill (BGS records)                         | 0       | 0     | 0       | 0        | -         |
| 30                      | 3.3                      | Historical landfill (LA/mapping records)                  | 0       | 0     | 0       | 0        | -         |
| <a href="#">30 &gt;</a> | <a href="#">3.4 &gt;</a> | <a href="#">Historical landfill (EA/NRW records) &gt;</a> | 0       | 0     | 1       | 1        | -         |
| <a href="#">30 &gt;</a> | <a href="#">3.5 &gt;</a> | <a href="#">Historical waste sites &gt;</a>               | 0       | 0     | 0       | 1        | -         |
| <a href="#">31 &gt;</a> | <a href="#">3.6 &gt;</a> | <a href="#">Licensed waste sites &gt;</a>                 | 0       | 1     | 0       | 11       | -         |
| <a href="#">34 &gt;</a> | <a href="#">3.7 &gt;</a> | <a href="#">Waste exemptions &gt;</a>                     | 0       | 42    | 81      | 102      | -         |
| Page                    | Section                  | <a href="#">Current industrial land use &gt;</a>          | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">53 &gt;</a> | <a href="#">4.1 &gt;</a> | <a href="#">Recent industrial land uses &gt;</a>          | 5       | 11    | 19      | -        | -         |
| 55                      | 4.2                      | Current or recent petrol stations                         | 0       | 0     | 0       | 0        | -         |
| 55                      | 4.3                      | Electricity cables  | 0       | 0     | 0       | 0        | -         |
| <a href="#">56 &gt;</a> | <a href="#">4.4 &gt;</a> | <a href="#">Gas pipelines &gt;</a>                        | 1       | 0     | 0       | 0        | -         |
| 56                      | 4.5                      | Sites determined as Contaminated Land                     | 0       | 0     | 0       | 0        | -         |



| 56                   | 4.6                    | Control of Major Accident Hazards (COMAH)                         | 0                        | 0     | 0       | 0        | -         |
|----------------------|------------------------|---|--------------------------|-------|---------|----------|-----------|
| 56                   | 4.7                    | Regulated explosive sites   | 0                        | 0     | 0       | 0        | -         |
| 57                   | 4.8                    | Hazardous substance storage/usage                                 | 0                        | 0     | 0       | 0        | -         |
| 57                   | 4.9                    | Historical licensed industrial activities (IPC)                   | 0                        | 0     | 0       | 0        | -         |
| <a href="#">57</a> > | <a href="#">4.10</a> > | <a href="#">Licensed industrial activities (Part A(1)) &gt;</a>   | 0                        | 2     | 7       | 2        | -         |
| <a href="#">59</a> > | <a href="#">4.11</a> > | <a href="#">Licensed pollutant release (Part A(2)/B) &gt;</a>     | 0                        | 0     | 1       | 0        | -         |
| 59                   | 4.12                   | Radioactive Substance Authorisations                              | 0                        | 0     | 0       | 0        | -         |
| <a href="#">59</a> > | <a href="#">4.13</a> > | <a href="#">Licensed Discharges to controlled waters &gt;</a>     | 2                        | 0     | 4       | 7        | -         |
| 61                   | 4.14                   | Pollutant release to surface waters (Red List)                    | 0                        | 0     | 0       | 0        | -         |
| 61                   | 4.15                   | Pollutant release to public sewer                                 | 0                        | 0     | 0       | 0        | -         |
| 62                   | 4.16                   | List 1 Dangerous Substances                                       | 0                        | 0     | 0       | 0        | -         |
| 62                   | 4.17                   | List 2 Dangerous Substances                                       | 0                        | 0     | 0       | 0        | -         |
| <a href="#">62</a> > | <a href="#">4.18</a> > | <a href="#">Pollution Incidents (EA/NRW) &gt;</a>                 | 0                        | 3     | 3       | 8        | -         |
| <a href="#">64</a> > | <a href="#">4.19</a> > | <a href="#">Pollution inventory substances &gt;</a>               | 0                        | 0     | 3       | 2        | -         |
| <a href="#">65</a> > | <a href="#">4.20</a> > | <a href="#">Pollution inventory waste transfers &gt;</a>          | 0                        | 0     | 1       | 0        | -         |
| 66                   | 4.21                   | Pollution inventory radioactive waste                             | 0                        | 0     | 0       | 0        | -         |
| Page                 | Section                | <a href="#">Hydrogeology &gt;</a>                                 | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">67</a> > | <a href="#">5.1</a> >  | <a href="#">Superficial aquifer &gt;</a>                          | Identified (within 500m) |       |         |          |           |
| <a href="#">70</a> > | <a href="#">5.2</a> >  | <a href="#">Bedrock aquifer &gt;</a>                              | Identified (within 500m) |       |         |          |           |
| <a href="#">72</a> > | <a href="#">5.3</a> >  | <a href="#">Groundwater vulnerability &gt;</a>                    | Identified (within 50m)  |       |         |          |           |
| <a href="#">79</a> > | <a href="#">5.4</a> >  | <a href="#">Groundwater vulnerability- soluble rock risk &gt;</a> | Identified (within 0m)   |       |         |          |           |
| 79                   | 5.5                    | Groundwater vulnerability- local information                      | None (within 0m)         |       |         |          |           |
| <a href="#">80</a> > | <a href="#">5.6</a> >  | <a href="#">Groundwater abstractions &gt;</a>                     | 0                        | 0     | 8       | 2        | 17        |
| <a href="#">86</a> > | <a href="#">5.7</a> >  | <a href="#">Surface water abstractions &gt;</a>                   | 0                        | 0     | 0       | 0        | 3         |
| 87                   | 5.8                    | Potable abstractions  | 0                        | 0     | 0       | 0        | 0         |
| <a href="#">87</a> > | <a href="#">5.9</a> >  | <a href="#">Source Protection Zones &gt;</a>                      | 1                        | 0     | 0       | 1        | -         |
| 88                   | 5.10                   | Source Protection Zones (confined aquifer)                        | 0                        | 0     | 0       | 0        | -         |
| Page                 | Section                | <a href="#">Hydrology &gt;</a>                                    | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">89</a> > | <a href="#">6.1</a> >  | <a href="#">Water Network (OS MasterMap) &gt;</a>                 | 177                      | 78    | 171     | -        | -         |



| <a href="#">122</a> > | <a href="#">6.2</a> >  | <a href="#">Surface water features</a> >                      | 1  | 37    | 84      | -        | -         |
|-----------------------|------------------------|---|--|-------|---------|----------|-----------|
| <a href="#">123</a> > | <a href="#">6.3</a> >  | <a href="#">WFD Surface water body catchments</a> >           | 3  | -     | -       | -        | -         |
| <a href="#">123</a> > | <a href="#">6.4</a> >  | <a href="#">WFD Surface water bodies</a> >                    | 0  | 0     | 1       | -        | -         |
| <a href="#">124</a> > | <a href="#">6.5</a> >  | <a href="#">WFD Groundwater bodies</a> >                      | 1  | -     | -       | -        | -         |
| Page                  | Section                | <a href="#">River and coastal flooding</a> >                  | On site                                      | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">125</a> > | <a href="#">7.1</a> >  | <a href="#">Risk of flooding from rivers and the sea</a> >    | High (within 50m)                            |       |         |          |           |
| <a href="#">126</a> > | <a href="#">7.2</a> >  | <a href="#">Historical Flood Events</a> >                     | 0  | 0     | 1       | -        | -         |
| 126                   | 7.3                    | Flood Defences  | 0  | 0     | 0       | -        | -         |
| 126                   | 7.4                    | Areas Benefiting from Flood Defences                          | 0  | 0     | 0       | -        | -         |
| 127                   | 7.5                    | Flood Storage Areas   | 0  | 0     | 0       | -        | -         |
| <a href="#">128</a> > | <a href="#">7.6</a> >  | <a href="#">Flood Zone 2</a> >                                | Identified (within 50m)                      |       |         |          |           |
| <a href="#">129</a> > | <a href="#">7.7</a> >  | <a href="#">Flood Zone 3</a> >                                | Identified (within 50m)                      |       |         |          |           |
| Page                  | Section                | <a href="#">Surface water flooding</a> >                      |  |       |         |          |           |
| <a href="#">130</a> > | <a href="#">8.1</a> >  | <a href="#">Surface water flooding</a> >                      | 1 in 30 year, Greater than 1.0m (within 50m) |       |         |          |           |
| Page                  | Section                | <a href="#">Groundwater flooding</a> >                        |  |       |         |          |           |
| <a href="#">132</a> > | <a href="#">9.1</a> >  | <a href="#">Groundwater flooding</a> >                        | Moderate (within 50m)                        |       |         |          |           |
| Page                  | Section                | <a href="#">Environmental designations</a> >                  | On site                                      | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">133</a> > | <a href="#">10.1</a> > | <a href="#">Sites of Special Scientific Interest (SSSI)</a> > | 1  | 0     | 0       | 0        | 1         |
| 134                   | 10.2                   | Conserved wetland sites (Ramsar sites)                        | 0  | 0     | 0       | 0        | 0         |
| 134                   | 10.3                   | Special Areas of Conservation (SAC)                           | 0  | 0     | 0       | 0        | 0         |
| 134                   | 10.4                   | Special Protection Areas (SPA)                                | 0  | 0     | 0       | 0        | 0         |
| 134                   | 10.5                   | National Nature Reserves (NNR)                                | 0  | 0     | 0       | 0        | 0         |
| 135                   | 10.6                   | Local Nature Reserves (LNR)                                   | 0  | 0     | 0       | 0        | 0         |
| <a href="#">135</a> > | <a href="#">10.7</a> > | <a href="#">Designated Ancient Woodland</a> >                 | 1  | 0     | 0       | 1        | 2         |
| 135                   | 10.8                   | Biosphere Reserves  | 0  | 0     | 0       | 0        | 0         |
| 136                   | 10.9                   | Forest Parks  | 0  | 0     | 0       | 0        | 0         |
| 136                   | 10.10                  | Marine Conservation Zones                                     | 0  | 0     | 0       | 0        | 0         |
| 136                   | 10.11                  | Green Belt  | 0  | 0     | 0       | 0        | 0         |
| 136                   | 10.12                  | Proposed Ramsar sites   | 0  | 0     | 0       | 0        | 0         |



| 136                      | 10.13                      | Possible Special Areas of Conservation (pSAC)          | 0                        | 0     | 0       | 0        | 0         |
|--------------------------|----------------------------|--|--------------------------|-------|---------|----------|-----------|
| 137                      | 10.14                      | Potential Special Protection Areas (pSPA)              | 0                        | 0     | 0       | 0        | 0         |
| 137                      | 10.15                      | Nitrate Sensitive Areas                                | 0                        | 0     | 0       | 0        | 0         |
| <a href="#">137 &gt;</a> | <a href="#">10.16 &gt;</a> | <a href="#">Nitrate Vulnerable Zones &gt;</a>          | 3                        | 0     | 0       | 0        | 4         |
| <a href="#">138 &gt;</a> | <a href="#">10.17 &gt;</a> | <a href="#">SSSI Impact Risk Zones &gt;</a>            | 24                       | -     | -       | -        | -         |
| <a href="#">149 &gt;</a> | <a href="#">10.18 &gt;</a> | <a href="#">SSSI Units &gt;</a>                        | 1                        | 0     | 0       | 0        | 2         |
| Page                     | Section                    | <a href="#">Visual and cultural designations &gt;</a>  | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 151                      | 11.1                       | World Heritage Sites                                   | 0                        | 0     | 0       | -        | -         |
| 152                      | 11.2                       | Area of Outstanding Natural Beauty                     | 0                        | 0     | 0       | -        | -         |
| 152                      | 11.3                       | National Parks   | 0                        | 0     | 0       | -        | -         |
| <a href="#">152 &gt;</a> | <a href="#">11.4 &gt;</a>  | <a href="#">Listed Buildings &gt;</a>                  | 0                        | 12    | 18      | -        | -         |
| 154                      | 11.5                       | Conservation Areas                                     | 0                        | 0     | 0       | -        | -         |
| 154                      | 11.6                       | Scheduled Ancient Monuments                            | 0                        | 0     | 0       | -        | -         |
| 154                      | 11.7                       | Registered Parks and Gardens                           | 0                        | 0     | 0       | -        | -         |
| Page                     | Section                    | <a href="#">Agricultural designations &gt;</a>         | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">155 &gt;</a> | <a href="#">12.1 &gt;</a>  | <a href="#">Agricultural Land Classification &gt;</a>  | Grade 2 (within 250m)    |       |         |          |           |
| <a href="#">156 &gt;</a> | <a href="#">12.2 &gt;</a>  | <a href="#">Open Access Land &gt;</a>                  | 1                        | 2     | 2       | -        | -         |
| <a href="#">157 &gt;</a> | <a href="#">12.3 &gt;</a>  | <a href="#">Tree Felling Licences &gt;</a>             | 2                        | 0     | 0       | -        | -         |
| <a href="#">157 &gt;</a> | <a href="#">12.4 &gt;</a>  | <a href="#">Environmental Stewardship Schemes &gt;</a> | 7                        | 3     | 2       | -        | -         |
| <a href="#">158 &gt;</a> | <a href="#">12.5 &gt;</a>  | <a href="#">Countryside Stewardship Schemes &gt;</a>   | 10                       | 6     | 6       | -        | -         |
| Page                     | Section                    | <a href="#">Habitat designations &gt;</a>              | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">160 &gt;</a> | <a href="#">13.1 &gt;</a>  | <a href="#">Priority Habitat Inventory &gt;</a>        | 25                       | 15    | 59      | -        | -         |
| <a href="#">164 &gt;</a> | <a href="#">13.2 &gt;</a>  | <a href="#">Habitat Networks &gt;</a>                  | 1                        | 0     | 4       | -        | -         |
| 165                      | 13.3                       | Open Mosaic Habitat                                    | 0                        | 0     | 0       | -        | -         |
| 165                      | 13.4                       | Limestone Pavement Orders                              | 0                        | 0     | 0       | -        | -         |
| Page                     | Section                    | <a href="#">Geology 1:10,000 scale &gt;</a>            | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">166 &gt;</a> | <a href="#">14.1 &gt;</a>  | <a href="#">10k Availability &gt;</a>                  | Identified (within 500m) |       |         |          |           |
| 167                      | 14.2                       | Artificial and made ground (10k)                       | 0                        | 0     | 0       | 0        | -         |
| <a href="#">168 &gt;</a> | <a href="#">14.3 &gt;</a>  | <a href="#">Superficial geology (10k) &gt;</a>         | 3                        | 1     | 1       | 6        | -         |



| 169                   | 14.4                   | Landslip (10k)   | 0                        | 0     | 0       | 0        | -         |
|-----------------------|------------------------|--|--------------------------|-------|---------|----------|-----------|
| <a href="#">170</a> > | <a href="#">14.5</a> > | <a href="#">Bedrock geology (10k)</a> >                | 2                        | 0     | 0       | 0        | -         |
| 171                   | 14.6                   | Bedrock faults and other linear features (10k)         | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                | <a href="#">Geology 1:50,000 scale</a> >               | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">172</a> > | <a href="#">15.1</a> > | <a href="#">50k Availability</a> >                     | Identified (within 500m) |       |         |          |           |
| <a href="#">173</a> > | <a href="#">15.2</a> > | <a href="#">Artificial and made ground (50k)</a> >     | 1                        | 1     | 0       | 0        | -         |
| <a href="#">174</a> > | <a href="#">15.3</a> > | <a href="#">Artificial ground permeability (50k)</a> > | 1                        | 1     | -       | -        | -         |
| <a href="#">175</a> > | <a href="#">15.4</a> > | <a href="#">Superficial geology (50k)</a> >            | 6                        | 2     | 6       | 9        | -         |
| <a href="#">176</a> > | <a href="#">15.5</a> > | <a href="#">Superficial permeability (50k)</a> >       | Identified (within 50m)  |       |         |          |           |
| 177                   | 15.6                   | Landslip (50k)   | 0                        | 0     | 0       | 0        | -         |
| 177                   | 15.7                   | Landslip permeability (50k)                            | None (within 50m)        |       |         |          |           |
| <a href="#">178</a> > | <a href="#">15.8</a> > | <a href="#">Bedrock geology (50k)</a> >                | 4                        | 0     | 0       | 0        | -         |
| <a href="#">179</a> > | <a href="#">15.9</a> > | <a href="#">Bedrock permeability (50k)</a> >           | Identified (within 50m)  |       |         |          |           |
| 180                   | 15.10                  | Bedrock faults and other linear features (50k)         | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                | <a href="#">Boreholes</a> >                            | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">181</a> > | <a href="#">16.1</a> > | <a href="#">BGS Boreholes</a> >                        | 0                        | 3     | 9       | -        | -         |
| Page                  | Section                | <a href="#">Natural ground subsidence</a> >            |                          |       |         |          |           |
| <a href="#">183</a> > | <a href="#">17.1</a> > | <a href="#">Shrink swell clays</a> >                   | Low (within 50m)         |       |         |          |           |
| <a href="#">185</a> > | <a href="#">17.2</a> > | <a href="#">Running sands</a> >                        | Very low (within 50m)    |       |         |          |           |
| <a href="#">186</a> > | <a href="#">17.3</a> > | <a href="#">Compressible deposits</a> >                | High (within 50m)        |       |         |          |           |
| <a href="#">188</a> > | <a href="#">17.4</a> > | <a href="#">Collapsible deposits</a> >                 | Very low (within 50m)    |       |         |          |           |
| <a href="#">189</a> > | <a href="#">17.5</a> > | <a href="#">Landslides</a> >                           | Very low (within 50m)    |       |         |          |           |
| <a href="#">190</a> > | <a href="#">17.6</a> > | <a href="#">Ground dissolution of soluble rocks</a> >  | Low (within 50m)         |       |         |          |           |
| Page                  | Section                | <a href="#">Mining and ground workings</a> >           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">192</a> > | <a href="#">18.1</a> > | <a href="#">BritPits</a> >                             | 4                        | 1     | 7       | 6        | -         |
| <a href="#">196</a> > | <a href="#">18.2</a> > | <a href="#">Surface ground workings</a> >              | 58                       | 26    | 92      | -        | -         |
| 202                   | 18.3                   | Underground workings                                   | 0                        | 0     | 0       | 0        | 0         |
| 202                   | 18.4                   | Underground mining extents                             | 0                        | 0     | 0       | 0        | -         |
| <a href="#">203</a> > | <a href="#">18.5</a> > | <a href="#">Historical Mineral Planning Areas</a> >    | 1                        | 0     | 1       | 3        | -         |



| <a href="#">203</a> > | <a href="#">18.6</a> > | <a href="#">Non-coal mining</a> >                         | 7                             | 0     | 0       | 3        | 2         |
|-----------------------|------------------------|---|-------------------------------|-------|---------|----------|-----------|
| 205                   | 18.7                   | JPB mining areas  | None (within 0m)              |       |         |          |           |
| 205                   | 18.8                   | The Coal Authority non-coal mining                        | 0                             | 0     | 0       | 0        | -         |
| 205                   | 18.9                   | Researched mining   | 0                             | 0     | 0       | 0        | -         |
| 206                   | 18.10                  | Mining record office plans                                | 0                             | 0     | 0       | 0        | -         |
| 206                   | 18.11                  | BGS mine plans  | 0                             | 0     | 0       | 0        | -         |
| 206                   | 18.12                  | Coal mining   | None (within 0m)              |       |         |          |           |
| 206                   | 18.13                  | Brine areas   | None (within 0m)              |       |         |          |           |
| 206                   | 18.14                  | Gypsum areas  | None (within 0m)              |       |         |          |           |
| 207                   | 18.15                  | Tin mining  | None (within 0m)              |       |         |          |           |
| 207                   | 18.16                  | Clay mining   | None (within 0m)              |       |         |          |           |
| Page                  | Section                | Ground cavities and sinkholes                             | On site                       | 0-50m | 50-250m | 250-500m | 500-2000m |
| 208                   | 19.1                   | Natural cavities  | 0                             | 0     | 0       | 0        | -         |
| 208                   | 19.2                   | Mining cavities   | 0                             | 0     | 0       | 0        | 0         |
| 208                   | 19.3                   | Reported recent incidents                                 | 0                             | 0     | 0       | 0        | -         |
| 208                   | 19.4                   | Historical incidents                                      | 0                             | 0     | 0       | 0        | -         |
| 209                   | 19.5                   | National karst database                                   | 0                             | 0     | 0       | 0        | -         |
| Page                  | Section                | <a href="#">Radon</a> >                                   |                               |       |         |          |           |
| <a href="#">210</a> > | <a href="#">20.1</a> > | <a href="#">Radon</a> >                                   | Between 1% and 3% (within 0m) |       |         |          |           |
| Page                  | Section                | <a href="#">Soil chemistry</a> >                          | On site                       | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">212</a> > | <a href="#">21.1</a> > | <a href="#">BGS Estimated Background Soil Chemistry</a> > | 128                           | 20    | -       | -        | -         |
| 217                   | 21.2                   | BGS Estimated Urban Soil Chemistry                        | 0                             | 0     | -       | -        | -         |
| 218                   | 21.3                   | BGS Measured Urban Soil Chemistry                         | 0                             | 0     | -       | -        | -         |
| Page                  | Section                | Railway infrastructure and projects                       | On site                       | 0-50m | 50-250m | 250-500m | 500-2000m |
| 219                   | 22.1                   | Underground railways (London)                             | 0                             | 0     | 0       | -        | -         |
| 219                   | 22.2                   | Underground railways (Non-London)                         | 0                             | 0     | 0       | -        | -         |
| 219                   | 22.3                   | Railway tunnels   | 0                             | 0     | 0       | -        | -         |
| 219                   | 22.4                   | Historical railway and tunnel features                    | 0                             | 0     | 0       | -        | -         |
| 219                   | 22.5                   | Royal Mail tunnels  | 0                             | 0     | 0       | -        | -         |

|     |       |                     |   |   |   |   |   |
|-----|-------|---------------------|---|---|---|---|---|
| 220 | 22.6  | Historical railways | 0 | 0 | 0 | - | - |
| 220 | 22.7  | Railways            | 0 | 0 | 0 | - | - |
| 220 | 22.8  | Crossrail 1         | 0 | 0 | 0 | 0 | - |
| 220 | 22.9  | Crossrail 2         | 0 | 0 | 0 | 0 | - |
| 220 | 22.10 | HS2                 | 0 | 0 | 0 | 0 | - |



## Recent aerial photograph



Capture Date: 11/04/2020

Site Area: 720.31ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024



## Recent site history - 2017 aerial photograph



Capture Date: 17/10/2017

Site Area: 720.31ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

## Recent site history - 2006 aerial photograph



Capture Date: 11/09/2006

Site Area: 720.31ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

## Recent site history - 2005 aerial photograph



Capture Date: 04/09/2005

Site Area: 720.31ha



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

## Recent site history - 1999 aerial photograph



Capture Date: 25/06/1999

Site Area: 720.31ha



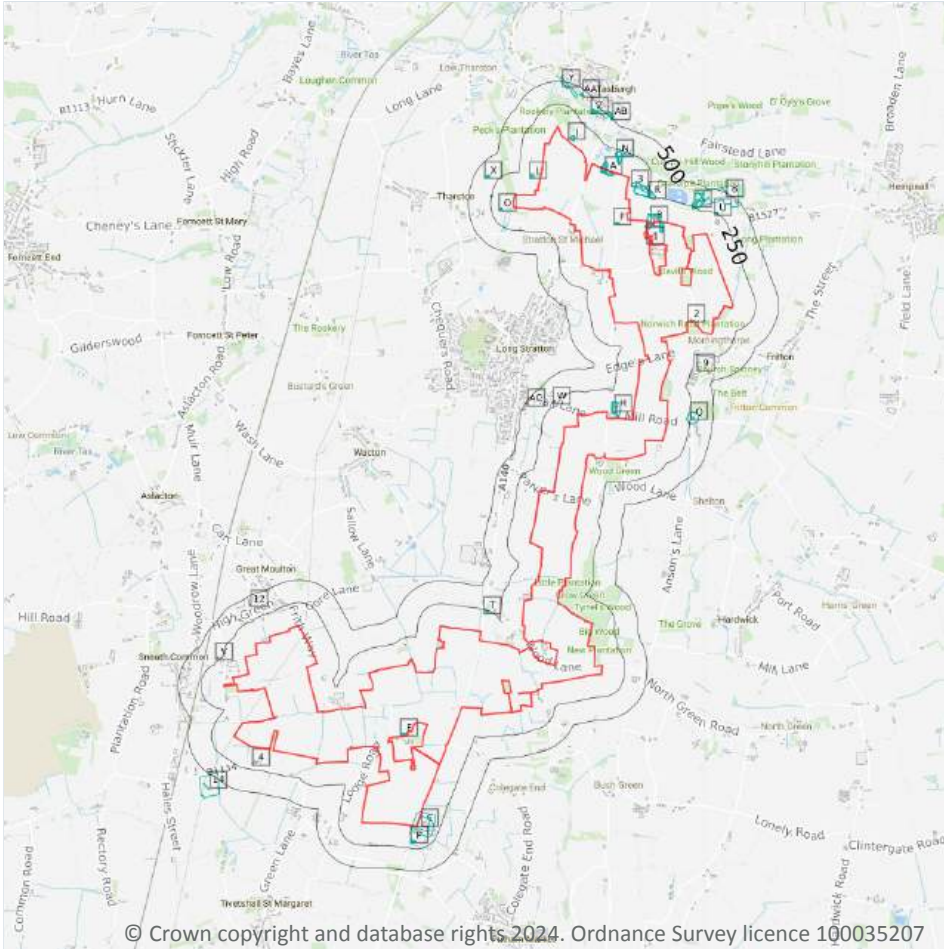
Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755





Date: 23 August 2024

# 1 Past land use



**— Site Outline**

**Search buffers in metres (m)**

-  Historical industrial land uses
-  Historical tanks
-  Historical energy features
-  Historical garages

## 1.1 Historical industrial land uses

**Records within 500m**

**95**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

| ID | Location | Land use        | Dates present | Group ID |
|----|----------|-----------------|---------------|----------|
| 1  | On site  | Unspecified Pit | 1883 - 1946   | 2372150  |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| A  | On site  | Refuse Heap                 | 1979          | 2353714  |
| A  | On site  | Gravel Pit                  | 1883          | 2359752  |
| A  | On site  | Unspecified Ground Workings | 1907          | 2366166  |
| A  | On site  | Unspecified Pit             | 1946 - 1951   | 2377185  |
| B  | On site  | Brick Field                 | 1883          | 2356343  |
| B  | On site  | Unspecified Disused Works   | 1951          | 2360903  |
| B  | On site  | Unspecified Heap            | 1883          | 2361203  |
| B  | On site  | Brick Works                 | 1907          | 2374498  |
| B  | On site  | Brick Works                 | 1946          | 2381829  |
| C  | On site  | Unspecified Workhouse       | 1883          | 2358264  |
| D  | On site  | Unspecified Pit             | 1907          | 2364037  |
| D  | On site  | Unspecified Pit             | 1946          | 2369031  |
| D  | On site  | Unspecified Pit             | 1951          | 2369878  |
| E  | On site  | Unspecified Pit             | 1906          | 2368637  |
| E  | On site  | Unspecified Pit             | 1946 - 1951   | 2379725  |
| F  | On site  | Unspecified Pit             | 1907          | 2369344  |
| F  | On site  | Unspecified Pit             | 1951          | 2374840  |
| F  | On site  | Unspecified Pit             | 1883          | 2379010  |
| F  | On site  | Unspecified Pit             | 1946          | 2382106  |
| G  | On site  | Unspecified Pit             | 1946 - 1951   | 2369614  |
| G  | On site  | Unspecified Pit             | 1907          | 2378267  |
| C  | 6m S     | Union Workhouse             | 1906          | 2360930  |
| H  | 7m NE    | Unspecified Mill            | 1979          | 2355708  |
| I  | 11m N    | Unspecified Pit             | 1951          | 2372408  |
| I  | 12m N    | Unspecified Pit             | 1907          | 2376893  |
| I  | 13m N    | Unspecified Pit             | 1883          | 2382925  |
| I  | 15m N    | Unspecified Pit             | 1946          | 2367418  |
| B  | 15m NE   | Unspecified Kiln            | 1883          | 2357477  |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| 3  | 34m N    | Unspecified Pit             | 1946          | 2376073  |
| J  | 35m N    | Unspecified Pit             | 1951          | 2381394  |
| J  | 37m N    | Unspecified Pit             | 1883          | 2372142  |
| J  | 37m N    | Unspecified Pit             | 1946          | 2377678  |
| J  | 38m N    | Unspecified Pit             | 1907          | 2365214  |
| H  | 46m NE   | Corn Windmill               | 1883          | 2359226  |
| H  | 49m NE   | Windmill                    | 1946          | 2368256  |
| B  | 57m NE   | Unspecified Kiln            | 1883          | 2357478  |
| H  | 63m NE   | Windmill                    | 1951          | 2374019  |
| H  | 65m NE   | Windmill                    | 1906          | 2380238  |
| L  | 69m N    | Unspecified Pit             | 1883 - 1946   | 2381323  |
| L  | 73m N    | Unspecified Pit             | 1953          | 2368492  |
| M  | 83m N    | Unspecified Pit             | 1979          | 2365301  |
| M  | 87m N    | Unspecified Pits            | 1907          | 2368526  |
| M  | 88m N    | Unspecified Ground Workings | 1951          | 2360467  |
| M  | 89m N    | Unspecified Pits            | 1946          | 2372618  |
| N  | 96m N    | Unspecified Pits            | 1946          | 2378076  |
| N  | 96m N    | Unspecified Pits            | 1883          | 2378378  |
| N  | 98m N    | Unspecified Pits            | 1951          | 2369411  |
| N  | 100m N   | Unspecified Pit             | 1979          | 2369781  |
| O  | 135m N   | Unspecified Ground Workings | 1946 - 1953   | 2382086  |
| O  | 137m N   | Unspecified Pit             | 1907          | 2376558  |
| M  | 149m N   | Clay Pit                    | 1883          | 2358837  |
| P  | 155m S   | Police Station              | 1951          | 2371359  |
| P  | 157m S   | Police Station              | 1906          | 2376238  |
| P  | 159m S   | Police Station              | 1946          | 2367797  |
| P  | 159m S   | Police Station              | 1883          | 2370090  |
| N  | 174m N   | Unspecified Pit             | 1907          | 2366913  |





| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| 5  | 210m N   | Unspecified Ground Workings | 1951          | 2360463  |
| Q  | 215m NE  | Smithy                      | 1883          | 2376082  |
| Q  | 216m NE  | Smithy                      | 1946 - 1951   | 2365363  |
| R  | 222m NE  | Unspecified Pits            | 1951          | 2378221  |
| R  | 223m NE  | Unspecified Pits            | 1883 - 1946   | 2379414  |
| S  | 228m NE  | Unspecified Pits            | 1951          | 2354266  |
| S  | 230m NE  | Gravel Pit                  | 1946          | 2364468  |
| T  | 231m S   | Smithy                      | 1946 - 1951   | 2380341  |
| T  | 234m S   | Smithy                      | 1883          | 2383005  |
| T  | 238m S   | Smithy                      | 1906          | 2364738  |
| U  | 238m NE  | Unspecified Pit             | 1951          | 2375003  |
| U  | 238m NE  | Unspecified Pit             | 1883 - 1946   | 2364481  |
| 6  | 241m N   | Unspecified Ground Workings | 1883          | 2360465  |
| Q  | 265m NE  | Smithy                      | 1906          | 2375576  |
| V  | 268m SW  | Unspecified Tank            | 1983          | 2357127  |
| S  | 273m NE  | Gravel Pit                  | 1883 - 1907   | 2380260  |
| W  | 283m N   | Unspecified Tanks           | 1979          | 2360198  |
| 8  | 320m NE  | Sand and Gravel Pit         | 1979          | 2362771  |
| 9  | 328m NE  | Saw Pit                     | 1946 - 1951   | 2363835  |
| S  | 329m NE  | Gravel Pit                  | 1951          | 2381548  |
| X  | 343m N   | Unspecified Pit             | 1946          | 2366170  |
| X  | 343m N   | Unspecified Pit             | 1883          | 2375879  |
| X  | 347m N   | Unspecified Pit             | 1953          | 2371297  |
| Y  | 383m N   | Unspecified Ground Workings | 1883          | 2360564  |
| Z  | 399m N   | Unspecified Pit             | 1951          | 2375312  |
| 11 | 401m N   | Gravel Pit                  | 1883          | 2359848  |
| Z  | 401m N   | Unspecified Pit             | 1946          | 2363576  |
| Z  | 402m N   | Unspecified Pit             | 1907          | 2376296  |



| ID | Location | Land use        | Dates present | Group ID |
|----|----------|-----------------|---------------|----------|
| AA | 423m N   | Unspecified Pit | 1951          | 2363388  |
| AA | 429m N   | Unspecified Pit | 1946          | 2374938  |
| AA | 430m N   | Unspecified Pit | 1907          | 2368202  |
| Y  | 431m N   | Unspecified Pit | 1951          | 2369167  |
| Y  | 433m N   | Unspecified Pit | 1907          | 2369538  |
| Y  | 434m N   | Unspecified Pit | 1946          | 2375451  |
| 14 | 437m SW  | Brick Field     | 1883          | 2356351  |
| AB | 478m N   | Unspecified Pit | 1951          | 2372423  |
| AB | 481m N   | Unspecified Pit | 1907          | 2371449  |
| AB | 483m N   | Unspecified Pit | 1946          | 2365504  |

This data is sourced from Ordnance Survey / Groundsure.

## 1.2 Historical tanks

**Records within 500m**

**10**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

| ID       | Location       | Land use         | Dates present | Group ID      |
|----------|----------------|------------------|---------------|---------------|
| <b>2</b> | <b>On site</b> | <b>Tanks</b>     | <b>1976</b>   | <b>438127</b> |
| B        | 7m NE          | Unspecified Tank | 1884          | 436929        |
| H        | 66m NE         | Unspecified Tank | 1976 - 1995   | 438848        |
| K        | 69m SW         | Unspecified Tank | 1981          | 438706        |
| K        | 69m SW         | Unspecified Tank | 1994          | 440905        |
| 4        | 168m SW        | Tanks            | 1994          | 438104        |
| V        | 270m SW        | Unspecified Tank | 1981 - 1991   | 439731        |
| W        | 287m N         | Tanks            | 1976 - 1995   | 440673        |



| ID | Location | Land use | Dates present | Group ID |
|----|----------|----------|---------------|----------|
| 10 | 350m N   | Tanks    | 1976 - 1995   | 441971   |
| 13 | 428m NE  | Tanks    | 1976          | 438128   |

*This data is sourced from Ordnance Survey / Groundsure.*

### 1.3 Historical energy features

**Records within 500m**

**4**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| H  | 119m NE  | Electricity Substation | 1976 - 1995   | 329971   |
| 12 | 405m W   | Electricity Substation | 1981 - 1991   | 330165   |
| AC | 486m N   | Electricity Substation | 1969 - 1989   | 331730   |
| AC | 487m N   | Electricity Substation | 1995          | 329029   |

*This data is sourced from Ordnance Survey / Groundsure.*

### 1.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 1.5 Historical garages

Records within 500m

1

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

| ID | Location | Land use | Dates present | Group ID |
|----|----------|----------|---------------|----------|
| 7  | 309m W   | Garage   | 1981          | 97358    |

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.6 Historical military land

Records within 500m

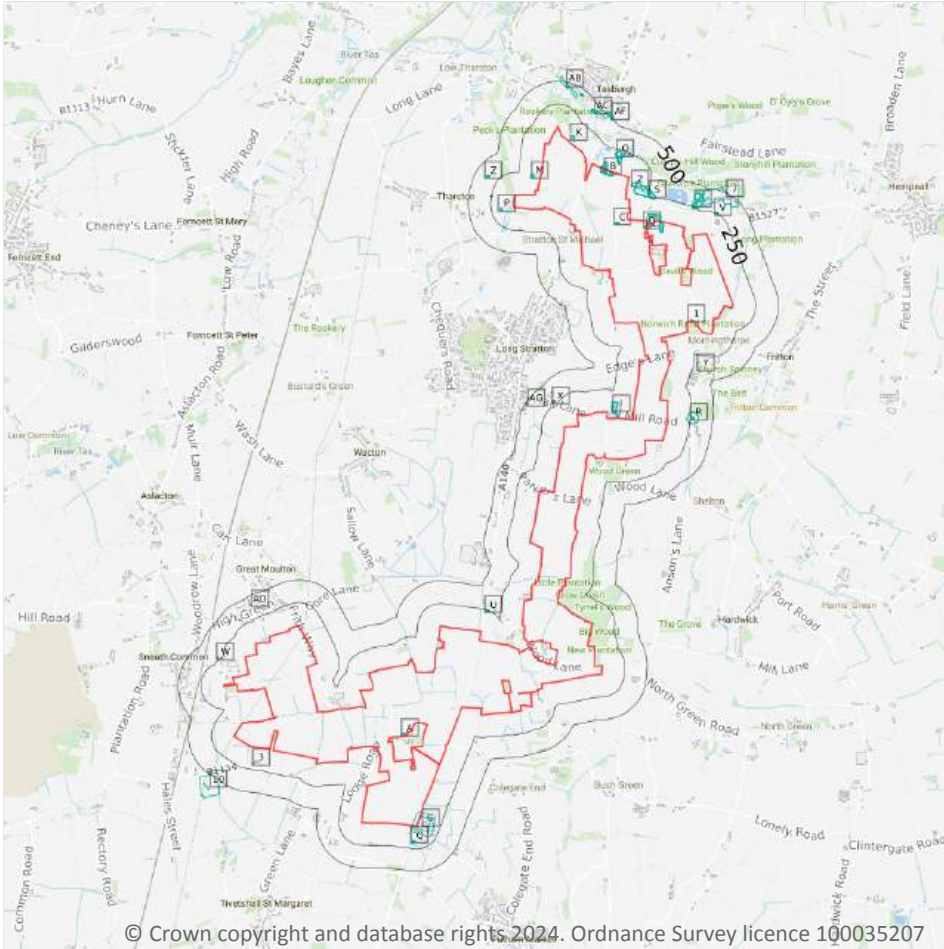
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*



## 2 Past land use - un-grouped



**Site Outline**

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

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### 2.1 Historical industrial land uses

**Records within 500m** **129**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21](#) >

| ID | Location | Land Use        | Date | Group ID |
|----|----------|-----------------|------|----------|
| A  | On site  | Unspecified Pit | 1946 | 2379725  |
| A  | On site  | Unspecified Pit | 1906 | 2368637  |
| A  | On site  | Unspecified Pit | 1951 | 2379725  |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| B  | On site  | Unspecified Pit             | 1951 | 2377185  |
| B  | On site  | Gravel Pit                  | 1883 | 2359752  |
| B  | On site  | Unspecified Pit             | 1946 | 2377185  |
| B  | On site  | Refuse Heap                 | 1979 | 2353714  |
| B  | On site  | Unspecified Ground Workings | 1907 | 2366166  |
| B  | On site  | Unspecified Ground Workings | 1907 | 2366166  |
| C  | On site  | Unspecified Pit             | 1951 | 2374840  |
| C  | On site  | Unspecified Pit             | 1946 | 2382106  |
| C  | On site  | Unspecified Pit             | 1883 | 2379010  |
| C  | On site  | Unspecified Pit             | 1907 | 2369344  |
| C  | On site  | Unspecified Pit             | 1907 | 2369344  |
| D  | On site  | Unspecified Pit             | 1951 | 2369614  |
| D  | On site  | Unspecified Pit             | 1946 | 2369614  |
| D  | On site  | Unspecified Pit             | 1907 | 2378267  |
| D  | On site  | Unspecified Pit             | 1907 | 2378267  |
| E  | On site  | Unspecified Pit             | 1951 | 2369878  |
| E  | On site  | Unspecified Pit             | 1946 | 2369031  |
| E  | On site  | Unspecified Pit             | 1907 | 2364037  |
| E  | On site  | Unspecified Pit             | 1907 | 2364037  |
| F  | On site  | Unspecified Disused Works   | 1951 | 2360903  |
| F  | On site  | Brick Works                 | 1946 | 2381829  |
| F  | On site  | Brick Field                 | 1883 | 2356343  |
| F  | On site  | Unspecified Heap            | 1883 | 2361203  |
| F  | On site  | Brick Works                 | 1907 | 2374498  |
| F  | On site  | Brick Works                 | 1907 | 2374498  |
| G  | On site  | Unspecified Workhouse       | 1883 | 2358264  |
| H  | On site  | Unspecified Pit             | 1946 | 2372150  |
| H  | On site  | Unspecified Pit             | 1883 | 2372150  |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| H  | On site  | Unspecified Pit  | 1907 | 2372150  |
| H  | On site  | Unspecified Pit  | 1907 | 2372150  |
| G  | 6m S     | Union Workhouse  | 1906 | 2360930  |
| I  | 7m NE    | Unspecified Mill | 1979 | 2355708  |
| J  | 11m N    | Unspecified Pit  | 1951 | 2372408  |
| J  | 12m N    | Unspecified Pit  | 1907 | 2376893  |
| J  | 12m N    | Unspecified Pit  | 1907 | 2376893  |
| J  | 13m N    | Unspecified Pit  | 1883 | 2382925  |
| J  | 15m N    | Unspecified Pit  | 1946 | 2367418  |
| F  | 15m NE   | Unspecified Kiln | 1883 | 2357477  |
| 2  | 34m N    | Unspecified Pit  | 1946 | 2376073  |
| K  | 35m N    | Unspecified Pit  | 1951 | 2381394  |
| K  | 37m N    | Unspecified Pit  | 1946 | 2377678  |
| K  | 37m N    | Unspecified Pit  | 1883 | 2372142  |
| K  | 38m N    | Unspecified Pit  | 1907 | 2365214  |
| K  | 38m N    | Unspecified Pit  | 1907 | 2365214  |
| I  | 46m NE   | Corn Windmill    | 1883 | 2359226  |
| I  | 49m NE   | Windmill         | 1946 | 2368256  |
| F  | 57m NE   | Unspecified Kiln | 1883 | 2357478  |
| I  | 63m NE   | Windmill         | 1951 | 2374019  |
| I  | 65m NE   | Windmill         | 1906 | 2380238  |
| M  | 69m N    | Unspecified Pit  | 1946 | 2381323  |
| M  | 69m N    | Unspecified Pit  | 1883 | 2381323  |
| M  | 71m N    | Unspecified Pit  | 1907 | 2381323  |
| M  | 71m N    | Unspecified Pit  | 1907 | 2381323  |
| M  | 73m N    | Unspecified Pit  | 1953 | 2368492  |
| N  | 83m N    | Unspecified Pit  | 1979 | 2365301  |
| N  | 87m N    | Unspecified Pits | 1907 | 2368526  |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| N  | 87m N    | Unspecified Pits            | 1907 | 2368526  |
| N  | 88m N    | Unspecified Ground Workings | 1951 | 2360467  |
| N  | 89m N    | Unspecified Pits            | 1946 | 2372618  |
| O  | 96m N    | Unspecified Pits            | 1946 | 2378076  |
| O  | 96m N    | Unspecified Pits            | 1883 | 2378378  |
| O  | 98m N    | Unspecified Pits            | 1951 | 2369411  |
| O  | 100m N   | Unspecified Pit             | 1979 | 2369781  |
| P  | 135m N   | Unspecified Ground Workings | 1953 | 2382086  |
| P  | 136m N   | Unspecified Ground Workings | 1946 | 2382086  |
| P  | 137m N   | Unspecified Pit             | 1907 | 2376558  |
| P  | 137m N   | Unspecified Pit             | 1907 | 2376558  |
| N  | 149m N   | Clay Pit                    | 1883 | 2358837  |
| Q  | 155m S   | Police Station              | 1951 | 2371359  |
| Q  | 157m S   | Police Station              | 1906 | 2376238  |
| Q  | 159m S   | Police Station              | 1883 | 2370090  |
| Q  | 159m S   | Police Station              | 1946 | 2367797  |
| O  | 174m N   | Unspecified Pit             | 1907 | 2366913  |
| O  | 174m N   | Unspecified Pit             | 1907 | 2366913  |
| 4  | 210m N   | Unspecified Ground Workings | 1951 | 2360463  |
| R  | 215m NE  | Smithy                      | 1883 | 2376082  |
| R  | 216m NE  | Smithy                      | 1951 | 2365363  |
| S  | 222m NE  | Unspecified Pits            | 1951 | 2378221  |
| S  | 223m NE  | Unspecified Pits            | 1907 | 2379414  |
| S  | 223m NE  | Unspecified Pits            | 1907 | 2379414  |
| S  | 223m NE  | Unspecified Pits            | 1946 | 2379414  |
| S  | 223m NE  | Unspecified Pits            | 1883 | 2379414  |
| T  | 228m NE  | Unspecified Pits            | 1951 | 2354266  |
| T  | 230m NE  | Gravel Pit                  | 1946 | 2364468  |





| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| U  | 231m S   | Smithy                      | 1946 | 2380341  |
| U  | 231m S   | Smithy                      | 1951 | 2380341  |
| U  | 234m S   | Smithy                      | 1883 | 2383005  |
| U  | 238m S   | Smithy                      | 1906 | 2364738  |
| V  | 238m NE  | Unspecified Pit             | 1951 | 2375003  |
| V  | 238m NE  | Unspecified Pit             | 1907 | 2364481  |
| V  | 238m NE  | Unspecified Pit             | 1907 | 2364481  |
| V  | 239m NE  | Unspecified Pit             | 1946 | 2364481  |
| V  | 239m NE  | Unspecified Pit             | 1883 | 2364481  |
| 5  | 241m N   | Unspecified Ground Workings | 1883 | 2360465  |
| R  | 265m NE  | Smithy                      | 1906 | 2375576  |
| R  | 265m NE  | Smithy                      | 1946 | 2365363  |
| W  | 268m SW  | Unspecified Tank            | 1983 | 2357127  |
| T  | 273m NE  | Gravel Pit                  | 1883 | 2380260  |
| X  | 283m N   | Unspecified Tanks           | 1979 | 2360198  |
| 7  | 320m NE  | Sand and Gravel Pit         | 1979 | 2362771  |
| Y  | 328m NE  | Saw Pit                     | 1951 | 2363835  |
| T  | 329m NE  | Gravel Pit                  | 1951 | 2381548  |
| Y  | 329m NE  | Saw Pit                     | 1946 | 2363835  |
| T  | 332m NE  | Gravel Pit                  | 1907 | 2380260  |
| Z  | 343m N   | Unspecified Pit             | 1946 | 2366170  |
| Z  | 343m N   | Unspecified Pit             | 1883 | 2375879  |
| Z  | 347m N   | Unspecified Pit             | 1953 | 2371297  |
| AB | 383m N   | Unspecified Ground Workings | 1883 | 2360564  |
| AC | 399m N   | Unspecified Pit             | 1951 | 2375312  |
| 8  | 401m N   | Gravel Pit                  | 1883 | 2359848  |
| AC | 401m N   | Unspecified Pit             | 1946 | 2363576  |
| AC | 402m N   | Unspecified Pit             | 1907 | 2376296  |



| ID | Location | Land Use        | Date | Group ID |
|----|----------|-----------------|------|----------|
| AC | 402m N   | Unspecified Pit | 1907 | 2376296  |
| AE | 423m N   | Unspecified Pit | 1951 | 2363388  |
| AE | 429m N   | Unspecified Pit | 1946 | 2374938  |
| AE | 430m N   | Unspecified Pit | 1907 | 2368202  |
| AE | 430m N   | Unspecified Pit | 1907 | 2368202  |
| AB | 431m N   | Unspecified Pit | 1951 | 2369167  |
| AB | 433m N   | Unspecified Pit | 1907 | 2369538  |
| AB | 433m N   | Unspecified Pit | 1907 | 2369538  |
| AB | 434m N   | Unspecified Pit | 1946 | 2375451  |
| 10 | 437m SW  | Brick Field     | 1883 | 2356351  |
| AF | 478m N   | Unspecified Pit | 1951 | 2372423  |
| AF | 481m N   | Unspecified Pit | 1907 | 2371449  |
| AF | 481m N   | Unspecified Pit | 1907 | 2371449  |
| AF | 483m N   | Unspecified Pit | 1946 | 2365504  |

This data is sourced from Ordnance Survey / Groundsure.

## 2.2 Historical tanks

**Records within 500m**

**14**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

| ID       | Location       | Land Use         | Date        | Group ID      |
|----------|----------------|------------------|-------------|---------------|
| <b>1</b> | <b>On site</b> | <b>Tanks</b>     | <b>1976</b> | <b>438127</b> |
| F        | 7m NE          | Unspecified Tank | 1884        | 436929        |
| I        | 66m NE         | Unspecified Tank | 1976        | 438848        |
| I        | 66m NE         | Unspecified Tank | 1995        | 438848        |
| L        | 69m SW         | Unspecified Tank | 1981        | 438706        |
| L        | 69m SW         | Unspecified Tank | 1994        | 440905        |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| 3  | 168m SW  | Tanks            | 1994 | 438104   |
| W  | 270m SW  | Unspecified Tank | 1981 | 439731   |
| W  | 270m SW  | Unspecified Tank | 1991 | 439731   |
| X  | 287m N   | Tanks            | 1995 | 440673   |
| X  | 288m N   | Tanks            | 1976 | 440673   |
| AA | 350m N   | Tanks            | 1976 | 441971   |
| AA | 350m N   | Tanks            | 1995 | 441971   |
| 9  | 428m NE  | Tanks            | 1976 | 438128   |

This data is sourced from Ordnance Survey / Groundsure.

## 2.3 Historical energy features

**Records within 500m**

**10**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| I  | 119m NE  | Electricity Substation | 1995 | 329971   |
| I  | 119m NE  | Electricity Substation | 1976 | 329971   |
| AD | 405m W   | Electricity Substation | 1991 | 330165   |
| AD | 405m W   | Electricity Substation | 1981 | 330165   |
| AG | 486m N   | Electricity Substation | 1969 | 331730   |
| AG | 486m N   | Electricity Substation | 1986 | 331730   |
| AG | 486m N   | Electricity Substation | 1989 | 331730   |
| AG | 486m N   | Electricity Substation | 1989 | 331730   |
| AG | 486m N   | Electricity Substation | 1976 | 331730   |
| AG | 487m N   | Electricity Substation | 1995 | 329029   |

This data is sourced from Ordnance Survey / Groundsure.



## 2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

Records within 500m

1

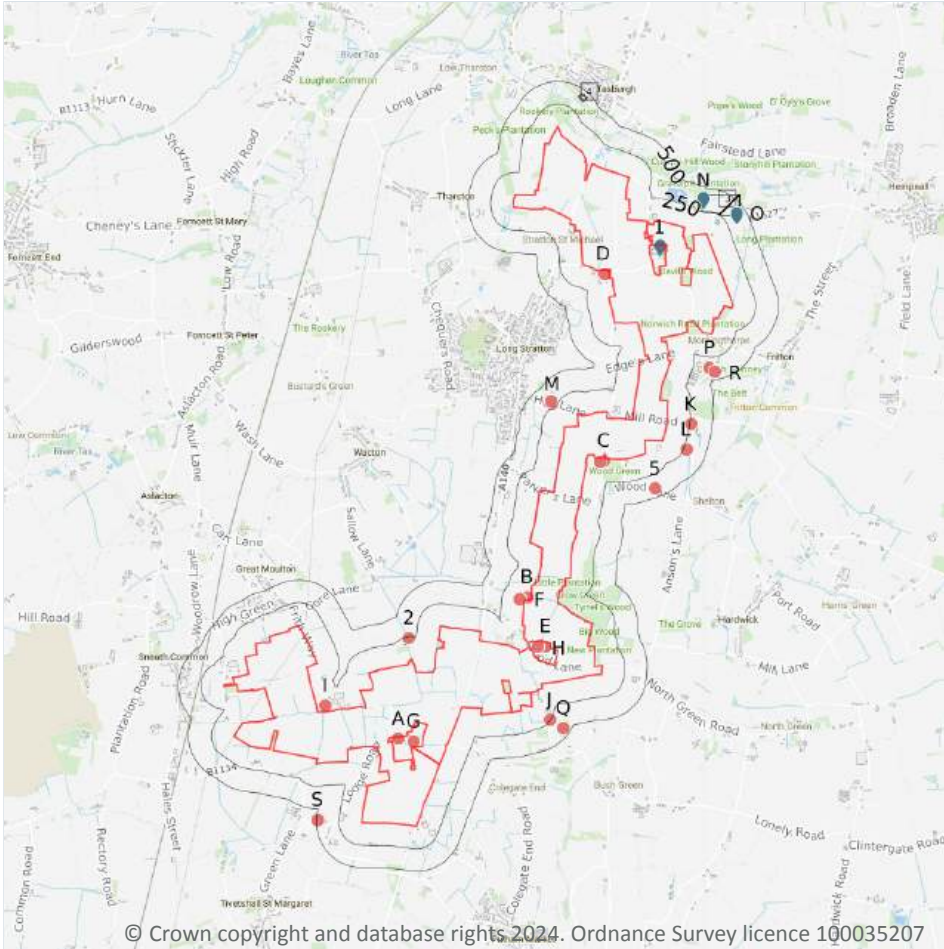
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

| ID | Location | Land Use | Date | Group ID |
|----|----------|----------|------|----------|
| 6  | 309m W   | Garage   | 1981 | 97358    |

*This data is sourced from Ordnance Survey / Groundsure.*

## 3 Waste and landfill



### 3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

*This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.*

### 3.4 Historical landfill (EA/NRW records)

Records within 500m

2

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 29 >](#)

| ID | Location | Details   |  |  |
|----|----------|---|--|--|
| 3  | 236m NE  | Site Address: Off B1135, Morningthorpe<br>Licence Holder Address: County Hall, Martineau Lane, Norwich, Norfolk | Waste Licence: Yes<br>Site Reference: WD 486<br>Waste Type: Commercial, Household<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: 07/02/1982<br>Licence Surrender: 02/12/1990 | Operator: Norfolk County Council<br>Licence Holder: Norfolk County Council<br>First Recorded 08/02/1982<br>Last Recorded: 31/12/1992 |
| 4  | 392m N   | Site Address: Thorn Wood, Valley Road, Tasburgh<br>Licence Holder Address: -                                    | Waste Licence: Yes<br>Site Reference: WD 567<br>Waste Type: Inert<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: 11/11/1979<br>Licence Surrender: 31/12/1986                 | Operator: E Shephard<br>Licence Holder: E Shephard<br>First Recorded 12/11/1979<br>Last Recorded: 30/12/1986                         |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.5 Historical waste sites

Records within 500m

1

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on [page 29 >](#)



| ID | Location | Address  | Further Details   | Date       |
|----|----------|--|---|------------|
| O  | 369m NE  | Site Address: Morningthorpe Recycling Centre, Bungay Road, Morningthorpe, NORWICH, Norfolk, NR15 2LJ | Type of Site: Recycling Centre<br>Planning application reference: 2009/0849<br>Description: Scheme comprises upgrade of recycling centre infrastructure to include new brick built staff welfare facility. An application (ref: 2009/0849) for detailed planning permission was granted by South Norfolk D.C. A detailed planning application has been granted.<br><br>Data source: Historic Planning Application<br>Data Type: Point | 06/12/2009 |

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

### 3.6 Licensed waste sites

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>12</b> |
|----------------------------|-----------|

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 29 >](#)

| ID | Location | Details   |  |  |
|----|----------|---|--|--|
| 1  | 32m NE   | Site Name: Morningthorpe C A Site<br>Site Address: Off B1135, Morningthorpe, Norfolk<br>Correspondence Address: Sidings Court, 3, White Rose Way, Doncaster, DN4 5NU                | Type of Site: Household, Commercial & Industrial Waste T Stn<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: ANT006<br>EPR reference: -<br>Operator: Anti Waste Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 0                                       | Issue Date: 22/01/1993<br>Effective Date: 28/03/2003<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |
| N  | 363m NE  | Site Name: Morningthorpe Quarry<br>Site Address: Land To The South Of Longacre Plantation, Morningthorpe, Nr Long Stratton, Norwich, Norfolk, NR15 2LJ<br>Correspondence Address: - | Type of Site: Use of waste for reclamation etc 100,000 tps<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MOR182<br>EPR reference: EA/EPR/NB3736AR/A001<br>Operator: Paul Richardson Recycling Ltd<br>Waste Management licence No: 400107<br>Annual Tonnage: 175000 | Issue Date: 15/04/2013<br>Effective Date: -<br>Modified: -<br>Surrendered Date: 0<br>Expiry Date: 0<br>Cancelled Date: 0<br>Status: Issued               |



| ID | Location | Details  |  |  |
|----|----------|--|--|--|
| N  | 363m NE  | Site Name: Morningthorpe Quarry<br>Site Address: Land To The South Of Longacre Plantation, Morningthorpe, Long Stratton, Norwich, Norfolk, NR15 2LJ<br>Correspondence Address: -   | Type of Site: Deposit of waste to land as a recovery operation<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MOR182<br>EPR reference: EA/EPR/NB3736AR/V002<br>Operator: Paul Richardson Recycling Limited<br>Waste Management licence No: 400107<br>Annual Tonnage: 173000 | Issue Date: 15/04/2013<br>Effective Date: -<br>Modified: 24/04/2017<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified        |
| N  | 363m NE  | Site Name: Morningthorpe Quarry<br>Site Address: Land To The South Of Longacre Plantation, Morningthorpe, Long Stratton, Norwich, Norfolk, NR15 2LJ<br>Correspondence Address: -   | Type of Site: Deposit of waste to land as a recovery operation<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 635654<br>EPR reference: EA/EPR/NB3736AR<br>Operator: Paul Richardson Recycling Limited<br>Waste Management licence No: 400107<br>Annual Tonnage: 173000   | Issue Date: 15/04/2013<br>Effective Date: 15/04/2013<br>Modified: 15/04/2013<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued |
| O  | 382m NE  | Site Name: Morningthorpe Ca Site<br>Site Address: Off B1135, Morningthorpe, Norfolk<br>Correspondence Address: Ground Floor West, 900, Pavilion Drive, Northampton Business Park, Northampton, Northants, NN4 7RG                                  | Type of Site: Household, Commercial & Industrial Waste T Stn<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MOR002<br>EPR reference: -<br>Operator: Anti-waste Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999  | Issue Date: 27/01/1993<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued                   |
| O  | 382m NE  | Site Name: Morningthorpe Ca Site<br>Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: Ground Floor West, 900, Pavilion Drive, Northampton Business Park, Northampton, Northants, NN4 7RG | Type of Site: Special Waste Transfer Station<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MOR002<br>EPR reference: -<br>Operator: Anti-waste Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999  | Issue Date: 27/01/1993<br>Effective Date: -<br>Modified: 05/01/2007<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified        |





| ID | Location | Details   |  |   |
|----|----------|---|--|---|
| O  | 382m NE  | Site Name: Morningthorpe Recycling Centre<br>Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: -   | Type of Site: Household Waste Amenity Site<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: NOR456<br>EPR reference: EA/EPR/BB3208MH/T001<br>Operator: Norfolk Environmental Waste Services Limited<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999 | Issue Date: 27/01/1993<br>Effective Date: 01/04/2014<br>Modified: 18/10/2013<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |
| O  | 382m NE  | Site Name: Morningthorpe Ca Site<br>Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: -   | Type of Site: Household Waste Amenity Site<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MAY056<br>EPR reference: EA/EPR/BP3990VX/T001<br>Operator: May Gurney Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999                               | Issue Date: 27/01/1993<br>Effective Date: 05/06/2009<br>Modified: 05/01/2007<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |
| O  | 382m NE  | Site Name: Morningthorpe Ca Site<br>Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: Laurel House, Kitling Road, Knowsley Business Park, Prescott, Merseyside, L34 9JA | Type of Site: Special Waste Transfer Station<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: EWC012<br>EPR reference: -<br>Operator: Environmental Waste Controls Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999                              | Issue Date: 27/01/1993<br>Effective Date: 01/04/2007<br>Modified: 05/01/2007<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |
| O  | 382m NE  | Site Name: Morningthorpe Civic Amenity Site<br>Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: -   | Type of Site: Household Waste Amenity Site<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MAY056<br>EPR reference: EA/EPR/BP3990VX/V002<br>Operator: Kier M G Limited<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999                             | Issue Date: 27/01/1993<br>Effective Date: 05/06/2009<br>Modified: 18/10/2013<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Modified    |



| ID | Location | Details  |   |   |
|----|----------|--|---|---|
| O  | 382m NE  | Site Name: Morningthorpe Ca Site<br>Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: -  | Type of Site: Special Waste Transfer Station<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: MAY056<br>EPR reference: BP3990VX/T001<br>Operator: May Gurney Ltd<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999                             | Issue Date: 27/01/1993<br>Effective Date: 05/06/2009<br>Modified: 05/01/2007<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Transferred |
| O  | 382m NE  | Site Name: Morningthorpe H W R C<br>Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST<br>Correspondence Address: - | Type of Site: Household Waste Amenity Site<br>Size: 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: 640235<br>EPR reference: EA/EPR/CB3800KU<br>Operator: Norse Environmental Waste Services Limited<br>Waste Management licence No: 70518<br>Annual Tonnage: 4999 | Issue Date: 27/01/1993<br>Effective Date: 27/01/1993<br>Modified: 27/01/1993<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued      |

This data is sourced from the Environment Agency and Natural Resources Wales.

### 3.7 Waste exemptions

|                            |            |
|----------------------------|------------|
| <b>Records within 500m</b> | <b>225</b> |
|----------------------------|------------|

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 29 >](#)

| ID | Location | Site                       | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|----------------------------|--------------------|------------------------------|-------------------------|--|
| A  | 25m SW   | Walk Farm Norwich Nr15 2au | EPR/YH0271A Q/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters        |
| A  | 25m SW   | Walk Farm Norwich Nr15 2au | EPR/YH0271A Q/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| A  | 25m SW   | Walk Farm Norwich Nr15 2au | EPR/YH0271A Q/A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit |



| ID | Location | Site  | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|---|--------------------|------------------------------|-------------------------|--|
| A  | 25m SW   | Walk Farm Norwich Nr15 2au  | EPR/YH0271A Q/A001 | Using waste exemption        | Agricultural waste only | Use of waste in construction                           |
| B  | 31m S    | Crowgreen Farm Norwich Norfolk Nr15 2uz                             | EPR/LE5252QB /A001 | Using waste exemption        | Agricultural waste only | Pig and poultry ash                                    |
| B  | 31m S    | Crowgreen Farm Norwich Norfolk Nr15 2uz                             | EPR/LE5252QB /A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open                              |
| C  | 35m NE   | Wood Green Farm North, Wood Green, Long Stratton, Norwich, Nr15 2an | WEX045779          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| C  | 35m NE   | Wood Green Farm North, Wood Green, Long Stratton, Norwich, Nr15 2an | WEX045779          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters        |
| C  | 35m NE   | Wood Green Farm North, Wood Green, Long Stratton, Norwich, Nr15 2an | WEX045779          | Disposing of waste exemption | On a farm               | Burning waste in the open                              |
| C  | 35m NE   | Wood Green Farm North, Wood Green, Long Stratton, Norwich, Nr15 2an | WEX045779          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb   | WEX257102          | Using waste exemption        | On a farm               | Use of waste in construction                           |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb   | WEX257102          | Using waste exemption        | On a farm               | Use of waste for a specified purpose                   |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb   | WEX257102          | Using waste exemption        | On a farm               | Spreading of plant matter to confer benefit            |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb   | WEX257102          | Using waste exemption        | On a farm               | Incorporation of ash into soil                         |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb   | WEX257102          | Treating waste exemption     | On a farm               | Cleaning, washing, spraying or coating relevant waste  |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb   | WEX257102          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters        |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------|--------------|--|
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX257102 | Storing waste exemption      | On a farm    | Storage of waste in secure containers  |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX257102 | Storing waste exemption      | On a farm    | Storage of waste in a secure place   |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX257102 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit                               |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX257102 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX257102 | Disposing of waste exemption | On a farm    | Burning waste in the open  |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters                                      |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957 | Storing waste exemption      | On a farm    | Storage of waste in secure containers  |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957 | Storing waste exemption      | On a farm    | Storage of waste in a secure place   |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste                                |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957 | Using waste exemption        | On a farm    | Use of waste in construction   |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit  |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957 | Using waste exemption        | On a farm    | Incorporation of ash into soil   |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957 | Using waste exemption        | On a farm    | Use of waste for a specified purpose   |



| ID | Location | Site  | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|---|--------------------|------------------------------|-------------------------|--|
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957          | Disposing of waste exemption | On a farm               | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957          | Disposing of waste exemption | On a farm               | Burning waste in the open  |
| D  | 46m N    | Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb | WEX113957          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit                               |
| C  | 47m NE   | Wood Green Farm Wood Green Norwich Nr15 2rr                       | EPR/LF0530XU /A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters                                      |
| C  | 47m NE   | Wood Green Farm Wood Green Norwich Nr15 2rr                       | EPR/LF0530XU /A001 | Using waste exemption        | Agricultural waste only | Use of waste in construction   |
| C  | 47m NE   | Wood Green Farm Wood Green Norwich Nr15 2rr                       | EPR/LF0530XU /A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open  |
| C  | 47m NE   | Wood Green Farm Wood Green Norwich Nr15 2rr                       | EPR/LF0530XU /A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit                               |
| E  | 49m S    | Wood Farm Wood Lane Diss Norfolk Ip21 4xu                         | EPR/AH0771SL /A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open  |
| E  | 49m S    | Wood Farm Wood Lane Diss Norfolk Ip21 4xu                         | EPR/AH0771SL /A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit                               |
| E  | 49m S    | Wood Farm Wood Lane Diss Norfolk Ip21 4xu                         | EPR/AH0771SL /A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters                                      |
| E  | 49m S    | Wood Farm Wood Lane Diss Norfolk Ip21 4xu                         | EPR/AH0771SL /A001 | Treating waste exemption     | Agricultural waste only | Cleaning, washing, spraying or coating relevant waste                                |
| E  | 49m S    | Wood Farm Wood Lane Diss Norfolk Ip21 4xu                         | EPR/AH0771SL /A001 | Using waste exemption        | Agricultural waste only | Use of waste in construction   |
| E  | 49m S    | Wood Farm Wood Lane Diss Norfolk Ip21 4xu                         | EPR/AH0771SL /A001 | Using waste exemption        | Agricultural waste only | Use of waste for a specified purpose   |
| D  | 51m N    | Church Farm Church Lane Norwich Nr15 2qb                          | EPR/TF0734Q A/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |



| ID | Location | Site   | Reference             | Category                           | Sub-Category  | Description  |
|----|----------|--|-----------------------|------------------------------------|---|--|
| D  | 51m N    | Church Farm Church Lane<br>Norwich Nr15 2qb            | EPR/TF0734Q<br>A/A001 | Using waste<br>exemption           | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Spreading waste on<br>agricultural land to confer<br>benefit |
| D  | 51m N    | Church Farm Church Lane<br>Norwich Nr15 2qb            | EPR/TF0734Q<br>A/A001 | Disposing of<br>waste<br>exemption | Agricultural<br>waste only                                | Deposit of waste from<br>dredging of inland waters           |
| D  | 51m N    | Church Farm Church Lane<br>Norwich Nr15 2qb            | EPR/TF0734Q<br>A/A001 | Treating waste<br>exemption        | Agricultural<br>waste only                                | Cleaning, washing, spraying<br>or coating relevant waste     |
| D  | 51m N    | Church Farm Church Lane<br>Norwich Nr15 2qb            | EPR/TF0734Q<br>A/A001 | Using waste<br>exemption           | Agricultural<br>waste only                                | Incorporation of ash into soil                               |
| D  | 51m N    | Church Farm Church Lane<br>Norwich Nr15 2qb            | EPR/TF0734Q<br>A/A001 | Storing waste<br>exemption         | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Storage of waste in secure<br>containers                     |
| D  | 51m N    | Church Farm Church Lane<br>Norwich Nr15 2qb            | EPR/TF0734Q<br>A/A001 | Storing waste<br>exemption         | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Storage of waste in a secure<br>place                        |
| D  | 51m N    | Church Farm Church Lane<br>Norwich Nr15 2qb            | EPR/TF0734Q<br>A/A001 | Using waste<br>exemption           | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Use of waste in construction                                 |
| D  | 51m N    | Church Farm Church Lane<br>Norwich Nr15 2qb            | EPR/TF0734Q<br>A/A001 | Using waste<br>exemption           | Both<br>agricultural<br>and non-<br>agricultural<br>waste | Use of waste for a specified<br>purpose                      |
| F  | 52m S    | Crowgreen Farm, Long<br>Stratton, Norwich, Nr15<br>2uz | WEX021004             | Disposing of<br>waste<br>exemption | On a farm   | Burning waste in the open                                    |
| F  | 52m S    | Crowgreen Farm, Long<br>Stratton, Norwich, Nr15<br>2uz | WEX021004             | Disposing of<br>waste<br>exemption | On a farm   | Deposit of waste from<br>dredging of inland waters           |
| F  | 52m S    | Crowgreen Farm, Long<br>Stratton, Norwich, Nr15<br>2uz | WEX021004             | Using waste<br>exemption           | On a farm   | Pig and poultry ash  |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| F  | 58m S    | Crowgreen Farm, Wood Lane, Long Stratton, Nr15 2uz          | WEX181480 | Using waste exemption        | On a farm    | Pig and poultry ash                                   |
| F  | 58m S    | Crowgreen Farm, Wood Lane, Long Stratton, Nr15 2uz          | WEX181480 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste |
| F  | 58m S    | Crowgreen Farm, Wood Lane, Long Stratton, Nr15 2uz          | WEX181480 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters       |
| F  | 58m S    | Crowgreen Farm, Wood Lane, Long Stratton, Nr15 2uz          | WEX181480 | Disposing of waste exemption | On a farm    | Burning waste in the open                             |
| F  | 59m S    | Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz | WEX314756 | Using waste exemption        | On a farm    | Pig and poultry ash                                   |
| F  | 59m S    | Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz | WEX314756 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste |
| F  | 59m S    | Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz | WEX314756 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters       |
| F  | 59m S    | Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz | WEX314756 | Disposing of waste exemption | On a farm    | Burning waste in the open                             |
| G  | 62m SW   | Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au       | WEX041864 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters       |
| G  | 62m SW   | Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au       | WEX041864 | Using waste exemption        | On a farm    | Use of waste in construction                          |
| G  | 62m SW   | Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au       | WEX205704 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters       |
| G  | 62m SW   | Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au       | WEX205704 | Using waste exemption        | On a farm    | Use of waste in construction                          |
| G  | 62m SW   | Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au       | WEX205704 | Disposing of waste exemption | On a farm    | Burning waste in the open                             |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------|--------------|--|
| G  | 62m SW   | Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au | WEX205704 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| G  | 62m SW   | Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au | WEX041864 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| G  | 62m SW   | Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au | WEX041864 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX370548 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX370548 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX370548 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste  |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX370548 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX370548 | Using waste exemption        | On a farm    | Use of waste for a specified purpose                   |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX370548 | Using waste exemption        | On a farm    | Use of waste in construction                           |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX303475 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX303475 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste  |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX303475 | Using waste exemption        | On a farm    | Use of waste for a specified purpose                   |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu   | WEX303475 | Using waste exemption        | On a farm    | Use of waste in construction                           |





| ID | Location | Site  | Reference | Category                     | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------|--------------|--|
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX303475 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX303475 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX010479 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX010479 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX169228 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX169228 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX169228 | Using waste exemption        | On a farm    | Use of waste in construction                           |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX169228 | Using waste exemption        | On a farm    | Use of waste for a specified purpose                   |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX169228 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX169228 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste  |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX010479 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX010479 | Treating waste exemption     | On a farm    | Cleaning, washing, spraying or coating relevant waste  |
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu | WEX010479 | Using waste exemption        | On a farm    | Use of waste in construction                           |



| ID | Location | Site  | Reference          | Category                     | Sub-Category                                 | Description   |
|----|----------|---|--------------------|------------------------------|--|---|
| H  | 66m S    | Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu     | WEX010479          | Using waste exemption        | On a farm                                    | Use of waste for a specified purpose  |
| I  | 68m SW   | Frith Farm Frith Way Norwich Nr15 2as                   | EPR/TE5588PU /A001 | Disposing of waste exemption | Agricultural waste only                      | Deposit of waste from dredging of inland waters   |
| I  | 68m SW   | Frith Farm Frith Way Norwich Nr15 2as                   | EPR/TE5588PU /A001 | Treating waste exemption     | Agricultural waste only                      | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| I  | 68m SW   | Frith Farm Frith Way Norwich Nr15 2as                   | EPR/TE5588PU /A001 | Using waste exemption        | Agricultural waste only                      | Burning of waste as a fuel in a small appliance   |
| I  | 68m SW   | Frith Farm Frith Way Norwich Nr15 2as                   | EPR/TE5588PU /A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste in construction  |
| I  | 68m SW   | Frith Farm Frith Way Norwich Nr15 2as                   | EPR/TE5588PU /A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste for a specified purpose  |
| I  | 68m SW   | Frith Farm Frith Way Norwich Nr15 2as                   | EPR/TE5588PU /A001 | Disposing of waste exemption | Agricultural waste only                      | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| I  | 68m SW   | Frith Farm Frith Way Norwich Nr15 2as                   | EPR/TE5588PU /A001 | Disposing of waste exemption | Agricultural waste only                      | Burning waste in the open   |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX320871          | Using waste exemption        | On a farm                                    | Use of waste in construction  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX320871          | Using waste exemption        | On a farm                                    | Use of waste for a specified purpose  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX320871          | Using waste exemption        | On a farm                                    | Incorporation of ash into soil  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX320871          | Storing waste exemption      | On a farm                                    | Storage of waste in a secure place  |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX320871 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX320871 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX192621 | Using waste exemption        | On a farm    | Use of waste in construction  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX192621 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX192621 | Using waste exemption        | On a farm    | Incorporation of ash into soil  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX032359 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX032359 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX032359 | Using waste exemption        | On a farm    | Use of waste in construction  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX032359 | Using waste exemption        | On a farm    | Burning of waste as a fuel in a small appliance   |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX032359 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX192621 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit  |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX192621 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as | WEX192621 | Storing waste exemption      | On a farm    | Storage of waste in a secure place  |



| ID | Location | Site   | Reference | Category                     | Sub-Category  | Description  |
|----|----------|--|-----------|------------------------------|---------------|--|
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as                | WEX032359 | Disposing of waste exemption | On a farm     | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| I  | 69m SW   | Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as                | WEX032359 | Disposing of waste exemption | On a farm     | Burning waste in the open  |
| 2  | 232m SW  | -  | WEX291881 | Storing waste exemption      | On a farm     | Storage of sludge  |
| J  | 241m S   | Land Adjoining, Grove Farm, North Green, Pulham Market, Diss, Ip21 4xt | WEX277743 | Storing waste exemption      | Not on a farm | Storage of waste in a secure place   |
| J  | 241m S   | Land Adjoining, Grove Farm, North Green, Pulham Market, Diss, Ip21 4xt | WEX277743 | Using waste exemption        | Not on a farm | Use of waste in construction   |
| K  | 261m NE  | Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz                | WEX127591 | Using waste exemption        | On a farm     | Incorporation of ash into soil   |
| K  | 261m NE  | Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz                | WEX127591 | Treating waste exemption     | On a farm     | Cleaning, washing, spraying or coating relevant waste                                |
| K  | 261m NE  | Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz                | WEX127591 | Using waste exemption        | On a farm     | Use of waste in construction   |
| K  | 261m NE  | Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz                | WEX127591 | Disposing of waste exemption | On a farm     | Deposit of waste from dredging of inland waters                                      |
| K  | 261m NE  | Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz                | WEX127591 | Using waste exemption        | On a farm     | Use of waste for a specified purpose   |
| K  | 261m NE  | Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz                | WEX127591 | Disposing of waste exemption | On a farm     | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| K  | 261m NE  | Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz                | WEX127591 | Disposing of waste exemption | On a farm     | Burning waste in the open  |
| K  | 261m NE  | Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz                | WEX127591 | Using waste exemption        | On a farm     | Spreading waste on agricultural land to confer benefit                               |



| ID | Location | Site                                 | Reference          | Category                     | Sub-Category            | Description  |
|----|----------|--------------------------------------|--------------------|------------------------------|-------------------------|--|
| K  | 262m NE  | -                                    | WEX268395          | Disposing of waste exemption | On a farm               | Burning waste in the open  |
| K  | 262m NE  | -                                    | WEX268395          | Using waste exemption        | On a farm               | Spreading waste on agricultural land to confer benefit                               |
| K  | 262m NE  | -                                    | WEX268395          | Disposing of waste exemption | On a farm               | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| K  | 262m NE  | -                                    | WEX268395          | Using waste exemption        | On a farm               | Incorporation of ash into soil   |
| K  | 262m NE  | -                                    | WEX268395          | Using waste exemption        | On a farm               | Use of waste in construction   |
| K  | 262m NE  | -                                    | WEX268395          | Using waste exemption        | On a farm               | Use of waste for a specified purpose   |
| K  | 262m NE  | -                                    | WEX268395          | Treating waste exemption     | On a farm               | Cleaning, washing, spraying or coating relevant waste                                |
| K  | 262m NE  | -                                    | WEX268395          | Disposing of waste exemption | On a farm               | Deposit of waste from dredging of inland waters                                      |
| L  | 277m E   | Moor Farm The Green Norwich Nr15 2rz | EPR/BF0005G Q/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| L  | 277m E   | Moor Farm The Green Norwich Nr15 2rz | EPR/BF0005G Q/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open  |
| L  | 277m E   | Moor Farm The Green Norwich Nr15 2rz | EPR/BF0005G Q/A001 | Using waste exemption        | Agricultural waste only | Spreading waste on agricultural land to confer benefit                               |
| L  | 277m E   | Moor Farm The Green Norwich Nr15 2rz | EPR/BF0005G Q/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters                                      |
| L  | 277m E   | Moor Farm The Green Norwich Nr15 2rz | EPR/BF0005G Q/A001 | Treating waste exemption     | Agricultural waste only | Cleaning, washing, spraying or coating relevant waste                                |
| L  | 277m E   | Moor Farm The Green Norwich Nr15 2rz | EPR/BF0005G Q/A001 | Using waste exemption        | Agricultural waste only | Use of waste in construction   |
| L  | 277m E   | Moor Farm The Green Norwich Nr15 2rz | EPR/BF0005G Q/A001 | Using waste exemption        | Agricultural waste only | Incorporation of ash into soil   |



| ID | Location | Site   | Reference             | Category                           | Sub-Category               | Description  |
|----|----------|--|-----------------------|------------------------------------|----------------------------|--|
| L  | 277m E   | Moor Farm The Green<br>Norwich Nr15 2rz                      | EPR/BF0005G<br>Q/A001 | Using waste<br>exemption           | Agricultural<br>waste only | Use of waste for a specified<br>purpose                      |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Storing waste<br>exemption         | On a farm                  | Storage of waste in a secure<br>place                        |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Disposing of<br>waste<br>exemption | On a farm                  | Deposit of waste from<br>dredging of inland waters           |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Storing waste<br>exemption         | On a farm                  | Storage of waste in secure<br>containers                     |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Treating waste<br>exemption        | On a farm                  | Cleaning, washing, spraying<br>or coating relevant waste     |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Using waste<br>exemption           | On a farm                  | Use of waste in construction                                 |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Using waste<br>exemption           | On a farm                  | Spreading of plant matter to<br>confer benefit               |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Using waste<br>exemption           | On a farm                  | Incorporation of ash into soil                               |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Using waste<br>exemption           | On a farm                  | Use of waste for a specified<br>purpose                      |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Disposing of<br>waste<br>exemption | On a farm                  | Burning waste in the open                                    |
| M  | 282m N   | Hall Farm, Long Stratton,<br>Norwich, Nr15 2rn               | WEX113951             | Using waste<br>exemption           | On a farm                  | Spreading waste on<br>agricultural land to confer<br>benefit |
| M  | 315m N   | Hall Farm, Hall Lane, Long<br>Stratton, Norwich, Nr15<br>2rn | WEX257104             | Using waste<br>exemption           | On a farm                  | Use of waste in construction                                 |
| M  | 315m N   | Hall Farm, Hall Lane, Long<br>Stratton, Norwich, Nr15<br>2rn | WEX257104             | Storing waste<br>exemption         | On a farm                  | Storage of waste in a secure<br>place                        |
| M  | 315m N   | Hall Farm, Hall Lane, Long<br>Stratton, Norwich, Nr15<br>2rn | WEX257104             | Storing waste<br>exemption         | On a farm                  | Storage of waste in secure<br>containers                     |
| M  | 315m N   | Hall Farm, Hall Lane, Long<br>Stratton, Norwich, Nr15<br>2rn | WEX257104             | Disposing of<br>waste<br>exemption | On a farm                  | Deposit of waste from<br>dredging of inland waters           |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                                 | Description  |
|----|----------|--|--------------------|------------------------------|--|--|
| M  | 315m N   | Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn | WEX257104          | Treating waste exemption     | On a farm                                    | Cleaning, washing, spraying or coating relevant waste                                |
| M  | 315m N   | Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn | WEX257104          | Using waste exemption        | On a farm                                    | Incorporation of ash into soil   |
| M  | 315m N   | Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn | WEX257104          | Using waste exemption        | On a farm                                    | Spreading of plant matter to confer benefit  |
| M  | 315m N   | Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn | WEX257104          | Using waste exemption        | On a farm                                    | Use of waste for a specified purpose   |
| M  | 315m N   | Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn | WEX257104          | Disposing of waste exemption | On a farm                                    | Burning waste in the open  |
| M  | 315m N   | Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn | WEX257104          | Using waste exemption        | On a farm                                    | Spreading waste on agricultural land to confer benefit                               |
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn               | EPR/TF0634Q V/A001 | Disposing of waste exemption | Agricultural waste only                      | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn               | EPR/TF0634Q V/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Spreading waste on agricultural land to confer benefit                               |
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn               | EPR/TF0634Q V/A001 | Disposing of waste exemption | Agricultural waste only                      | Deposit of waste from dredging of inland waters                                      |
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn               | EPR/TF0634Q V/A001 | Treating waste exemption     | Agricultural waste only                      | Cleaning, washing, spraying or coating relevant waste                                |
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn               | EPR/TF0634Q V/A001 | Using waste exemption        | Agricultural waste only                      | Incorporation of ash into soil   |
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn               | EPR/TF0634Q V/A001 | Storing waste exemption      | Both agricultural and non-agricultural waste | Storage of waste in secure containers  |



| ID | Location | Site  | Reference          | Category                     | Sub-Category                                 | Description   |
|----|----------|---|--------------------|------------------------------|--|---|
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn      | EPR/TF0634Q V/A001 | Storing waste exemption      | Both agricultural and non-agricultural waste | Storage of waste in a secure place  |
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn      | EPR/TF0634Q V/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste in construction  |
| M  | 319m N   | Hall Farm Long Stratton Norfolk Nr15 2rn      | EPR/TF0634Q V/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste for a specified purpose  |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX302016          | Disposing of waste exemption | On a farm                                    | Deposit of waste from dredging of inland waters   |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX302016          | Treating waste exemption     | On a farm                                    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX302016          | Using waste exemption        | On a farm                                    | Use of waste for a specified purpose  |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX302016          | Using waste exemption        | On a farm                                    | Burning of waste as a fuel in a small appliance   |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX302016          | Using waste exemption        | On a farm                                    | Use of waste in construction  |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX302016          | Disposing of waste exemption | On a farm                                    | Burning waste in the open   |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX302016          | Disposing of waste exemption | On a farm                                    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX168307          | Disposing of waste exemption | On a farm                                    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |





| ID | Location | Site  | Reference | Category                     | Sub-Category | Description   |
|----|----------|---|-----------|------------------------------|--------------|---|
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX168307 | Disposing of waste exemption | On a farm    | Burning waste in the open   |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX168307 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX168307 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX168307 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX168307 | Using waste exemption        | On a farm    | Burning of waste as a fuel in a small appliance   |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX168307 | Using waste exemption        | On a farm    | Use of waste in construction  |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX007507 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters   |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX007507 | Treating waste exemption     | On a farm    | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX007507 | Using waste exemption        | On a farm    | Use of waste in construction  |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX007507 | Using waste exemption        | On a farm    | Burning of waste as a fuel in a small appliance   |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX007507 | Using waste exemption        | On a farm    | Use of waste for a specified purpose  |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX007507 | Disposing of waste exemption | On a farm    | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| P  | 376m NE  | Friars Farm, Morningthorpe, Norwich, Nr15 2ql | WEX007507 | Disposing of waste exemption | On a farm    | Burning waste in the open   |



| ID | Location | Site   | Reference          | Category                     | Sub-Category                                 | Description   |
|----|----------|--|--------------------|------------------------------|--|---|
| 5  | 406m E   | -  | WEX244287          | Storing waste exemption      | On a farm                                    | Storage of sludge   |
| Q  | 418m S   | Land Adjoining, Grove Farm, North Green, Pulham Market, Diss, Ip21 4xt | WEX137344          | Storing waste exemption      | Not on a farm                                | Storage of waste in a secure place  |
| Q  | 418m S   | Land Adjoining, Grove Farm, North Green, Pulham Market, Diss, Ip21 4xt | WEX137344          | Using waste exemption        | Not on a farm                                | Use of waste in construction  |
| R  | 423m NE  | Friars Farm Norwich Nr15 2ql   | EPR/YH0070P K/A001 | Disposing of waste exemption | Agricultural waste only                      | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice          |
| R  | 423m NE  | Friars Farm Norwich Nr15 2ql   | EPR/YH0070P K/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Burning waste in the open   |
| R  | 423m NE  | Friars Farm Norwich Nr15 2ql   | EPR/YH0070P K/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Deposit of waste from dredging of inland waters   |
| R  | 423m NE  | Friars Farm Norwich Nr15 2ql   | EPR/YH0070P K/A001 | Treating waste exemption     | Both agricultural and non-agricultural waste | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| R  | 423m NE  | Friars Farm Norwich Nr15 2ql   | EPR/YH0070P K/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste in construction  |
| R  | 423m NE  | Friars Farm Norwich Nr15 2ql   | EPR/YH0070P K/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Burning of waste as a fuel in a small appliance   |
| R  | 423m NE  | Friars Farm Norwich Nr15 2ql   | EPR/YH0070P K/A001 | Using waste exemption        | Both agricultural and non-agricultural waste | Use of waste for a specified purpose  |



| ID | Location | Site  | Reference | Category                     | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------|--------------|--|
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX335252 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX335252 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX335252 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit            |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX335252 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX335252 | Storing waste exemption      | On a farm    | Storage of waste in secure containers                  |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX335252 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                     |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX050466 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX050466 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX208516 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                     |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX208516 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit            |

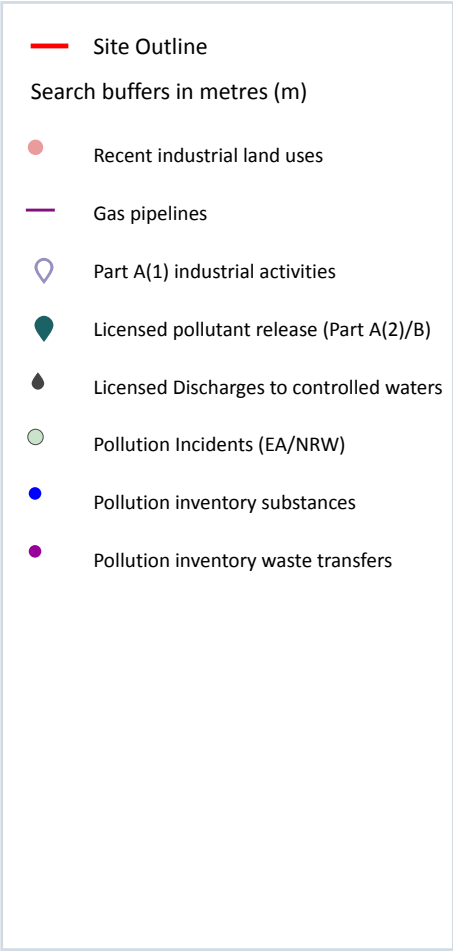
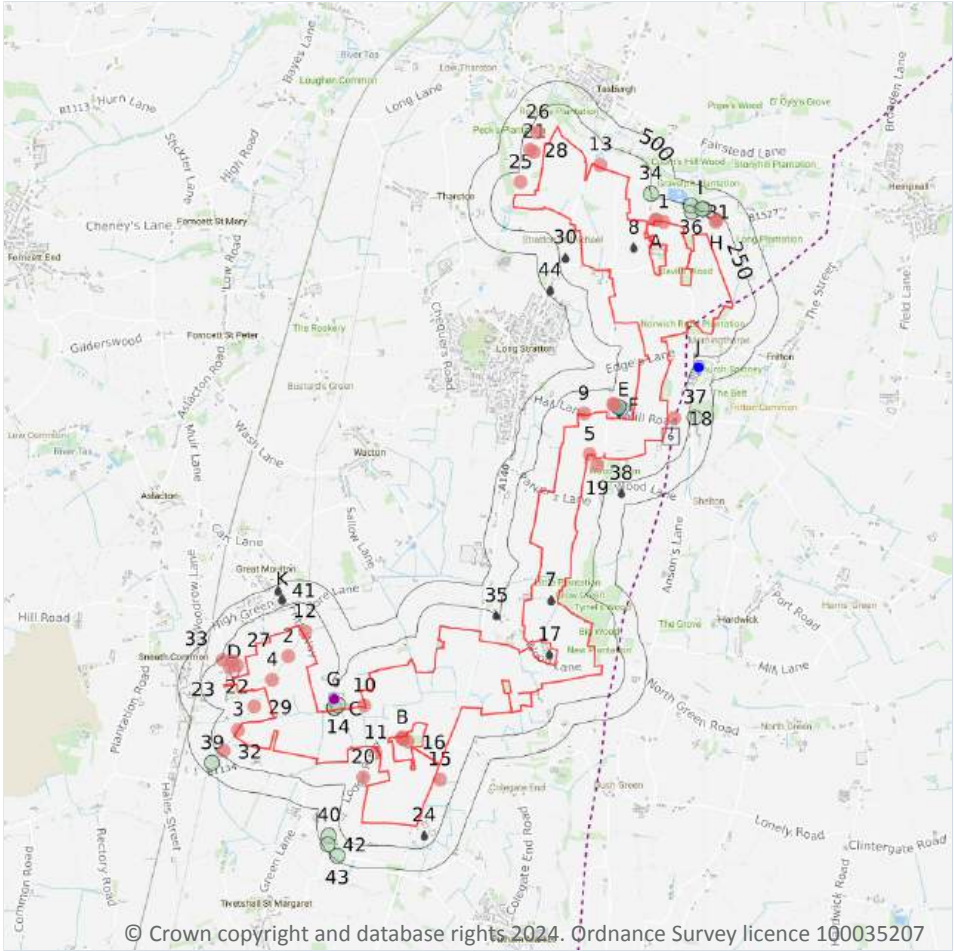


| ID | Location | Site  | Reference | Category                     | Sub-Category | Description  |
|----|----------|---|-----------|------------------------------|--------------|--|
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX208516 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX208516 | Storing waste exemption      | On a farm    | Storage of waste in secure containers                  |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX050466 | Using waste exemption        | On a farm    | Spreading of plant matter to confer benefit            |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX050466 | Disposing of waste exemption | On a farm    | Deposit of waste from dredging of inland waters        |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX050466 | Storing waste exemption      | On a farm    | Storage of waste in secure containers                  |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX050466 | Storing waste exemption      | On a farm    | Storage of waste in a secure place                     |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX208516 | Using waste exemption        | On a farm    | Spreading waste on agricultural land to confer benefit |
| S  | 494m SW  | Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba | WEX208516 | Disposing of waste exemption | On a farm    | Burning waste in the open                              |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4 Current industrial land use



### 4.1 Recent industrial land uses

**Records within 250m** **35**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 53](#) >

| ID | Location | Company   | Address   | Activity                           | Category                      |
|----|----------|-----------|---|------------------------------------|-------------------------------|
| 1  | On site  | Colorcote | Brick Kiln Works, Brick Kiln Lane, Morningthorpe, Norfolk, NR15 2LH | Industrial Coatings and Finishings | Industrial Products           |
| 2  | On site  | Pylon     | Norfolk, NR15   | Electrical Features                | Infrastructure and Facilities |
| 3  | On site  | Pylon     | Norfolk, NR15   | Electrical Features                | Infrastructure and Facilities |



| ID       | Location       | Company                    | Address  | Activity                    | Category                             |
|----------|----------------|----------------------------|--|-----------------------------|--------------------------------------|
| <b>4</b> | <b>On site</b> | <b>Pylon</b>               | <b>Norfolk, NR15</b>                                       | <b>Electrical Features</b>  | <b>Infrastructure and Facilities</b> |
| <b>5</b> | <b>On site</b> | <b>Wind Turbines</b>       | <b>Norfolk, NR15</b>                                       | <b>Energy Production</b>    | <b>Industrial Features</b>           |
| A        | 11m NE         | Pylon                      | Norfolk, NR15  | Electrical Features         | Infrastructure and Facilities        |
| 9        | 13m NE         | R S S Cash Registers Ltd   | Reeve Cottage, Hall Lane, Long Stratton, Norfolk, NR15 2RP | Office and Shop Equipment   | Industrial Products                  |
| 10       | 13m SW         | J P Demolition & Recycling | Willows Farm, Frith Way, Great Moulton, Norfolk, NR15 2AT  | Demolition Services         | Construction Services                |
| B        | 14m SW         | Silo                       | Norfolk, NR15  | Hoppers and Silos           | Farming                              |
| A        | 14m NE         | Mast (Telecommunication)   | Norfolk, NR15  | Telecommunications Features | Infrastructure and Facilities        |
| B        | 20m SW         | Silo                       | Norfolk, NR15  | Hoppers and Silos           | Farming                              |
| B        | 23m SW         | Silo                       | Norfolk, NR15  | Hoppers and Silos           | Farming                              |
| B        | 25m SW         | Silo                       | Norfolk, NR15  | Hoppers and Silos           | Farming                              |
| 11       | 27m SW         | Hopper                     | Norfolk, NR15  | Hoppers and Silos           | Farming                              |
| 12       | 30m SW         | Pylon                      | Norfolk, NR15  | Electrical Features         | Infrastructure and Facilities        |
| 13       | 31m N          | Electricity Sub Station    | Norfolk, NR15  | Electrical Features         | Infrastructure and Facilities        |
| 15       | 61m S          | Water Tower                | Norfolk, IP21  | Water Pumping Stations      | Industrial Features                  |
| 16       | 66m SW         | Tank                       | Norfolk, NR15  | Tanks (Generic)             | Industrial Features                  |
| 18       | 76m NE         | Gas Valve Compound         | Norfolk, NR15  | Gas Features                | Infrastructure and Facilities        |
| 19       | 89m NE         | Tank                       | Norfolk, NR15  | Tanks (Generic)             | Industrial Features                  |
| 20       | 103m SW        | Pump                       | Norfolk, NR15  | Water Pumping Stations      | Industrial Features                  |
| 21       | 106m N         | Solar Panels               | Norfolk, NR15  | Energy Production           | Industrial Features                  |
| F        | 107m NE        | Silo                       | Norfolk, NR15  | Hoppers and Silos           | Farming                              |
| 22       | 107m SW        | Hopper                     | Norfolk, NR15  | Hoppers and Silos           | Farming                              |



| ID | Location | Company   | Address   | Activity                                | Category                      |
|----|----------|---|---|---|-------------------------------|
| F  | 114m NE  | Silo  | Norfolk, NR15   | Hoppers and Silos                       | Farming                       |
| 23 | 117m SW  | Hoppers   | Norfolk, NR15   | Hoppers and Silos                       | Farming                       |
| 25 | 137m N   | Solar Panels                                      | Norfolk, NR15   | Energy Production                       | Industrial Features           |
| 26 | 145m N   | Solar Panels                                      | Norfolk, NR15   | Energy Production                       | Industrial Features           |
| 27 | 147m SW  | Poultry Houses                                    | Norfolk, NR15   | Poultry Farming, Equipment and Supplies | Farming                       |
| 28 | 158m N   | Hall Farm Solar park - Solar Photovoltaics (BEIS) | Land South of Hall Farm Bungay Road Tasburgh Norfolk, Norfolk, NR15   | Energy Production                       | Industrial Features           |
| H  | 170m NE  | Baker & Burrage Bespoke Kitchens                  | Unit 1 Old Hall Farm, Hempnall Road, Morningthorpe, Norfolk, NR15 2LJ | General Construction Supplies           | Industrial Products           |
| 29 | 171m SW  | Pylon   | Norfolk, NR15   | Electrical Features                     | Infrastructure and Facilities |
| H  | 188m NE  | D Pointer S C S Ltd                               | Unit 2 Old Hall Farm, Hempnall Road, Morningthorpe, Norfolk, NR15 2LJ | Industrial Engineers                    | Engineering Services          |
| 32 | 207m SW  | Pylon   | Norfolk, NR15   | Electrical Features                     | Infrastructure and Facilities |
| 33 | 229m SW  | Hoppers   | Norfolk, NR15   | Hoppers and Silos                       | Farming                       |

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m**

**0**

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

**Records within 500m**

**0**

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*



## 4.4 Gas pipelines

Records within 500m

1

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on [page 53](#) >

| ID | Location | Pipe Name                         | Details  |   |
|----|----------|-----------------------------------|--|---|
| 6  | On site  | YELVERTON<br>TO<br>STOWMARKE<br>T | Pipe Number: -<br>Pipeline Safety Regulations Number: -<br>Ownership: National Grid<br>Maximum Operating Pressure (Bar): - | Pipeline Diameter (mm): 900<br>Wall Thickness (mm): -<br>Year of commission: Not specified<br>Abandonment Status: Not abandoned |

*This data is sourced from National Grid.*

## 4.5 Sites determined as Contaminated Land

Records within 500m

0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*

## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*





## 4.8 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

11

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 53 >](#)

| ID | Location | Details   |  |
|----|----------|---|--|
| D  | 49m SW   | Operator: Mr David Buck<br>Installation Name: Broadgate Farm Poultry Unit - EPR/RP3734CB<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: RP3734CB<br>Original Permit Number: RP3734CB | EPR Reference: EPR/RP3734CB<br>Issue Date: 10/05/2021<br>Effective Date: 10/05/2021<br>Last date noted as effective: 06/08/2024<br>Status: Revoked   |
| D  | 49m SW   | Operator: Buck<br>Installation Name: Broadgate Farm Poultry Unit - EPR/RP3734CB<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: NP3105SP<br>Original Permit Number: RP3734CB          | EPR Reference: -<br>Issue Date: 10/05/2021<br>Effective Date: 10/05/2021<br>Last date noted as effective: 21/03/2023<br>Status: Effective            |
| E  | 94m NE   | Operator: Peddars Holdings Limited<br>Installation Name: The Mill<br>Process: MCP<br>Permit Number: RP3129SN<br>Original Permit Number: RP3129SN  | EPR Reference: EPR/RP3129SN<br>Issue Date: 16/11/2023<br>Effective Date: 16/11/2023<br>Last date noted as effective: 06/08/2024<br>Status: Effective |

| ID | Location | Details  |   |
|----|----------|--|---|
| G  | 114m SW  | Operator: Mr Paul Flatman<br>Installation Name: Lost Lands Farm<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: EP3131MM<br>Original Permit Number: EP3131MM                                   | EPR Reference: EPR/EP3131MM<br>Issue Date: 01/08/2007<br>Effective Date: 01/08/2007<br>Last date noted as effective: 06/08/2024<br>Status: Superseded |
| G  | 114m SW  | Operator: CROWN CHICKEN LIMITED<br>Installation Name: Lost Lands Farm Poultry Unit - EPR/WP3438NR<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: WP3438NR<br>Original Permit Number: WP3438NR | EPR Reference: EPR/WP3438NR<br>Issue Date: 26/07/2019<br>Effective Date: 26/07/2019<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| G  | 114m SW  | Operator: FLATMAN<br>Installation Name: LOST LANDS FARM<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: VP3835GZ<br>Original Permit Number: EP3131MM   | EPR Reference: EA/EPR/VP3835GZ/T001<br>Issue Date: -<br>Effective Date: -<br>Last date noted as effective: 01/07/2009<br>Status: REFUSED              |
| G  | 114m SW  | Operator: Crown Chicken Limited<br>Installation Name: Lost Lands Farm Poultry Unit - EPR/WP3438NR<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: QP3905PV<br>Original Permit Number: WP3438NR | EPR Reference: -<br>Issue Date: 26/07/2019<br>Effective Date: 26/07/2019<br>Last date noted as effective: 21/03/2023<br>Status: Effective             |
| G  | 114m SW  | Operator: Crown Chicken Limited<br>Installation Name: Lost Lands Farm Poultry Unit - EPR/WP3438NR<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: BP3637DN<br>Original Permit Number: WP3438NR | EPR Reference: -<br>Issue Date: 06/12/2016<br>Effective Date: 06/12/2016<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |
| G  | 114m SW  | Operator: Crown Chicken Ltd<br>Installation Name: Lost Lands Farm EPR/WP3438NR<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: LP3031NH<br>Original Permit Number: WP3438NR                    | EPR Reference: -<br>Issue Date: 12/08/2013<br>Effective Date: 12/08/2013<br>Last date noted as effective: 21/03/2023<br>Status: Superseded            |
| J  | 306m NE  | Operator: SARGENT<br>Installation Name: Friars Farm EPR/VP3138FM<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: VP3138FM<br>Original Permit Number: VP3138FM                                  | EPR Reference: EPR/VP3138FM<br>Issue Date: 19/02/2021<br>Effective Date: 19/02/2021<br>Last date noted as effective: 06/08/2024<br>Status: Effective  |
| J  | 306m NE  | Operator: Sargent<br>Installation Name: Friars Farm EPR/VP3138FM<br>Process: INTENSIVE FARMING; > 40,000 POULTRY<br>Permit Number: BP3406SD<br>Original Permit Number: VP3138FM                                  | EPR Reference: -<br>Issue Date: 19/02/2021<br>Effective Date: 19/02/2021<br>Last date noted as effective: 21/03/2023<br>Status: Effective             |

This data is sourced from the Environment Agency and Natural Resources Wales.



## 4.11 Licensed pollutant release (Part A(2)/B)

**Records within 500m**
**1**

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 53](#) >

| ID | Location | Address   | Details   |   |
|----|----------|---|---|---|
| E  | 81m NE   | Basil Leeder & Son, Long Stratton Mills, Norwich, Norfolk, NR15 2RU | Process: Pet Food Manufacture<br>Status: Historical Permit<br>Permit Type: Part B | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |

*This data is sourced from Local Authority records.*

## 4.12 Radioactive Substance Authorisations

**Records within 500m**
**0**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.13 Licensed Discharges to controlled waters

**Records within 500m**
**13**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 53](#) >

| ID | Location | Address   | Details  |  |
|----|----------|---|--|--|
| 7  | On site  | FERSFIELD, FERSFIELD, DISS, IP22                                  | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY<br>Permit Number: AW4NF396X<br>Permit Version: 1<br>Receiving Water: Trib Hundred River  | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 27/09/1963<br>Effective Date: 27/09/1963<br>Revocation Date: 03/06/1984    |
| 8  | On site  | HOLLIES FARM BARNs MORNINGTHORPE NO, MORNINGTHORPE, NORWICH, NR15 | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRELF01103<br>Permit Version: 1<br>Receiving Water: Trib River Tas | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 12/07/1989<br>Effective Date: 12/07/1989<br>Revocation Date: 01/10/1996 |



| ID | Location | Address   | Details  |  |
|----|----------|---|--|--|
| 17 | 71m S    | WOOD FARMHOUSE ANNEX,<br>WOOD LANE, PULHAM MARKET,<br>DISS, NORFOLK, IP21 4XU                           | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRYP3827XC<br>Permit Version: 1<br>Receiving Water: HEMPNALL BECK | Status: NEW ISSUED UNDER EPR<br>2010<br>Issue date: 04/12/2012<br>Effective Date: 04/12/2012<br>Revocation Date: -   |
| 24 | 135m S   | PULHAM MKT GARDEN CENTRE,<br>IPSWICH ROAD, PULHAM MARKET,<br>DISS, NORFOLK, IP21 4XP                    | Effluent Type: MISCELLANEOUS<br>DISCHARGES - SURFACE WATER<br>Permit Number: PR4NF560<br>Permit Version: 1<br>Receiving Water: Trib River<br>Waveney                     | Status: PRE NRA LEGISLATION<br>WHERE ISSUE DATE 01-SEP-89<br>(HISTORIC ONLY)<br>Issue date: 27/05/1986<br>Effective Date: 27/05/1986<br>Revocation Date: -             |
| 30 | 186m N   | WELLMEADOW COTTAGE,<br>NORWICH ROAD, LONG STRATTON,<br>NORWICH, NORFOLK, NR15 2PY                       | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRELF01961<br>Permit Version: 1<br>Receiving Water: land           | Status: POST NRA LEGISLATION<br>WHERE ISSUE DATE > 31-AUG-89<br>(HISTORIC ONLY)<br>Issue date: 06/12/1989<br>Effective Date: 06/12/1989<br>Revocation Date: -          |
| 35 | 248m S   | WOOD LANE, PULHAM MARKET,<br>DISS, NORFOLK, IP21 4XU  | Effluent Type: UNSPECIFIED<br>Permit Number: PRELF00031<br>Permit Version: 1<br>Receiving Water: land  | Status: PRE NRA LEGISLATION<br>WHERE ISSUE DATE 01-SEP-89<br>(HISTORIC ONLY)<br>Issue date: 10/11/1988<br>Effective Date: 10/11/1988<br>Revocation Date: 01/10/1996    |
| I  | 276m NE  | MORNINGTHORPE HOUSEHOLD<br>WASTE, RECYCLING CENTRE,<br>BUNGAY ROAD, MORNINGTHORPE,<br>NORFOLK, NR15 2LJ | Effluent Type: TRADE DISCHARGES -<br>SITE DRAINAGE<br>Permit Number: EPRDB3491VD<br>Permit Version: 1<br>Receiving Water: GROUNDWATER                                    | Status: NEW ISSUED UNDER EPR<br>2010<br>Issue date: 21/01/2016<br>Effective Date: 10/04/2016<br>Revocation Date: -   |
| K  | 331m W   | FRITH WAY PLOTS 2-6, FRITH WAY,<br>GREAT MOULTON, LONG<br>STRATTON, NORWICH, NORFOLK,<br>NR15 2AP       | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF02871<br>Permit Version: 1<br>Receiving Water: Trib River Tas | Status: POST NRA LEGISLATION<br>WHERE ISSUE DATE > 31-AUG-89<br>(HISTORIC ONLY)<br>Issue date: 05/06/1990<br>Effective Date: 05/06/1990<br>Revocation Date: 08/01/1992 |
| K  | 331m W   | FRITH WAY PLOTS 2-6, FRITH WAY,<br>GREAT MOULTON, LONG<br>STRATTON, NORWICH, NORFOLK,<br>NR15 2AP       | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF02871<br>Permit Version: 3<br>Receiving Water: Trib River Tas | Status: POST NRA LEGISLATION<br>WHERE ISSUE DATE > 31-AUG-89<br>(HISTORIC ONLY)<br>Issue date: 08/09/1994<br>Effective Date: 08/09/1994<br>Revocation Date: 14/12/1999 |



| ID | Location | Address  | Details  |  |
|----|----------|--|--|--|
| K  | 331m W   | FRITH WAY PLOTS 2-6, FRITH WAY, GREAT MOULTON, LONG STRATTON, NORWICH, NORFOLK, NR15 2AP | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF02871<br>Permit Version: 2<br>Receiving Water: Trib River Tas                 | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 09/01/1992<br>Effective Date: 09/01/1992<br>Revocation Date: 07/09/1994 |
| 38 | 376m E   | END COTTAGE, WOOD GREEN, LONG STRATTON, NORWICH, NR15 2RR                                | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRWB3891AS<br>Permit Version: 1<br>Receiving Water: TRIB OF RIVER TAS             | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 04/01/2022<br>Effective Date: 04/01/2022<br>Revocation Date: -  |
| 41 | 442m W   | ADJ FORMER RECTORY FRITH WAY, GT MOULTON, LONG STRATTON                                  | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: PRENF10112<br>Permit Version: 1<br>Receiving Water: tributary River Tas            | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY)<br>Issue date: 11/05/1995<br>Effective Date: 11/05/1995<br>Revocation Date: 12/06/1995 |
| 44 | 460m N   | ST. HELENA ST, NORWICH ROAD, LONG STRATTON, NORWICH, NORFOLK, NR15 2PX                   | Effluent Type: SEWAGE<br>DISCHARGES - FINAL/TREATED<br>EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRXB3393WR<br>Permit Version: 1<br>Receiving Water: GW VIA AN INFILTRATION SYSTEM | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 03/05/2022<br>Effective Date: 03/05/2022<br>Revocation Date: -  |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.14 Pollutant release to surface waters (Red List)

**Records within 500m**

**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.15 Pollutant release to public sewer

**Records within 500m**

**0**

Discharges of Special Category Effluents to the public sewer.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.17 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

14

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 53 >](#)

| ID | Location | Details  |   |
|----|----------|--|---|
| C  | 24m SW   | Incident Date: 17/04/2002<br>Incident Identification: 75629<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Other Agricultural Material or Waste | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| C  | 24m SW   | Incident Date: 17/04/2002<br>Incident Identification: 75629<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Other Agricultural Material or Waste | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| 14 | 45m SW   | Incident Date: 23/08/2001<br>Incident Identification: 35434<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Other Agricultural Material or Waste | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| E  | 124m NE  | Incident Date: 19/12/2001<br>Incident Identification: 53564<br>Pollutant: Contaminated Water<br>Pollutant Description: Vehicle and Plant Washings                          | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |

| ID | Location | Details  |   |
|----|----------|--|---|
| 31 | 194m NE  | Incident Date: 01/10/2003<br>Incident Identification: 193589<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Tyres  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact)       |
| 34 | 246m NE  | Incident Date: 02/10/2002<br>Incident Identification: 112100<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Containers   | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 2 (Significant)<br>Air Impact: Category 4 (No Impact) |
| 36 | 257m NE  | Incident Date: 10/01/2003<br>Incident Identification: 130203<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Tyres  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact)       |
| I  | 274m NE  | Incident Date: 23/09/2003<br>Incident Identification: 191841<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Tyres  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)   |
| I  | 277m NE  | Incident Date: 23/06/2003<br>Incident Identification: 169053<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Other Agricultural Material or Waste                    | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 4 (No Impact)       |
| 37 | 303m NE  | Incident Date: 29/01/2003<br>Incident Identification: 133911<br>Pollutant: Sewage Materials<br>Pollutant Description: Grey Water   | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)       |
| 39 | 385m SW  | Incident Date: 22/04/2021<br>Incident Identification: 1926536<br>Pollutant: General Biodegradable Materials and Wastes<br>Pollutant Description: Other General Biodegradable Material or Waste | Water Impact: Category 2 (Significant)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| 40 | 389m SW  | Incident Date: 06/07/2001<br>Incident Identification: 14266<br>Pollutant: Agricultural Materials and Wastes<br>Pollutant Description: Fertiliser   | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)       |
| 42 | 445m SW  | Incident Date: 28/05/2003<br>Incident Identification: 161297<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Smoke  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor)       |
| 43 | 455m SW  | Incident Date: 15/08/2003<br>Incident Identification: 182234<br>Pollutant: Inorganic Chemicals/Products<br>Pollutant Description: Other Inorganic Chemical or Product                          | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)   |



This data is sourced from the Environment Agency and Natural Resources Wales.

## 4.19 Pollution inventory substances

Records within 500m

5

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 53 >](#)

ID: G, Location: 114m SW, Permit: WP3438NR  
 Operator: Crown Chicken Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Lost Lands Farm Poultry Unit Frith Way Great Moulton Norfolk NR15 2AT  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance                           | Reporting threshold (kg) | Quantity (kg)             |
|-------|-------------------------------------|--------------------------|---------------------------|
| Air   | Methane                             | 10000kg                  | Below Reporting Threshold |
| Air   | Nitrogen oxides (NO and NO2) as NO2 | 100000kg                 | Below Reporting Threshold |

ID: G, Location: 114m SW, Permit: WP3438NR  
 Operator: Crown Chicken Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Lost Lands Farm Poultry Unit Frith Way Great Moulton Norfolk NR15 2AT  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance | Reporting threshold (kg) | Quantity (kg) |
|-------|-----------|--------------------------|---------------|
| Air   | Ammonia   | 1000kg                   | 5516.908kg    |

ID: G, Location: 114m SW, Permit: WP3438NR  
 Operator: Crown Chicken Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Lost Lands Farm Poultry Unit Frith Way Great Moulton Norfolk NR15 2AT  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:





| Route | Substance                 | Reporting threshold (kg) | Quantity (kg) |
|-------|---------------------------|--------------------------|---------------|
| Air   | Particulate matter - PM10 | 1000kg                   | 5408.73kg     |

ID: J, Location: 306m NE, Permit: VP3138FM  
 Operator: Sargent  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Friars Farm Morningthorpe Norfolk NR15 2QL  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance | Reporting threshold (kg) | Quantity (kg) |
|-------|-----------|--------------------------|---------------|
| Air   | Ammonia   | 1000kg                   | 2749kg        |

ID: J, Location: 306m NE, Permit: VP3138FM  
 Operator: Sargent  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Friars Farm Morningthorpe Norfolk NR15 2QL  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:

| Route | Substance                 | Reporting threshold (kg) | Quantity (kg) |
|-------|---------------------------|--------------------------|---------------|
| Air   | Particulate matter - PM10 | 1000kg                   | 1833kg        |

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 4.20 Pollution inventory waste transfers

**Records within 500m**

**1**

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 53 >](#)

ID: G, Location: 114m SW, Permit: WP3438NR  
 Operator: Crown Chicken Limited  
 Activity: INTENSIVE FARMING; > 40,000 POULTRY  
 Address: Lost Lands Farm Poultry Unit Frith Way Great Moulton Norfolk NR15 2AT  
 Sector: Agriculture, Sub-sector: Intensive Farming  
 Releases:



| Route | Route description   | Quantity (tonnes)         | Release level             | EWC code | EWC description                         | Hazardous waste |
|-------|---|---------------------------|---------------------------|----------|---|-----------------|
| R9    | Oil e-refining or other reuses of oil                       | 0.025                     | Absolute Value            | 13 02 08 | other engine, gear and lubricating oils | Yes             |
| R1    | Use principally as a fuel or other means to generate energy | Below Reporting Threshold | Below Reporting Threshold | 20 03 01 | mixed municipal waste                   | No              |

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 4.21 Pollution inventory radioactive waste

**Records within 500m**

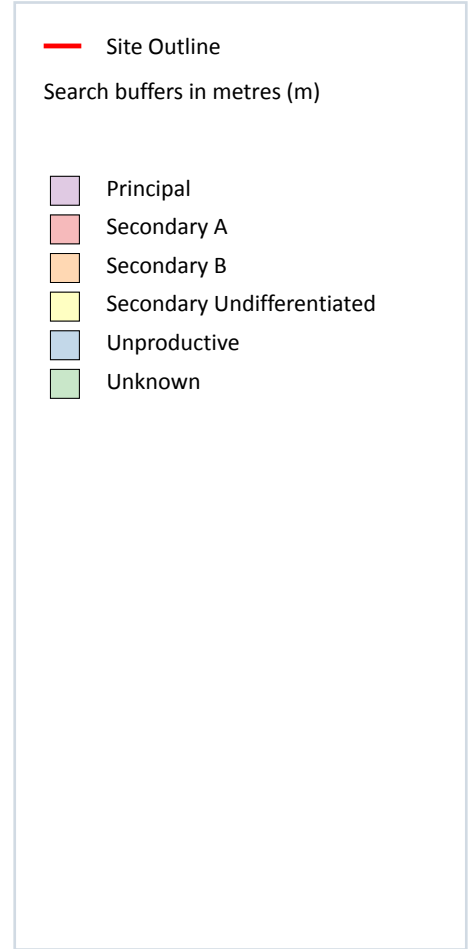
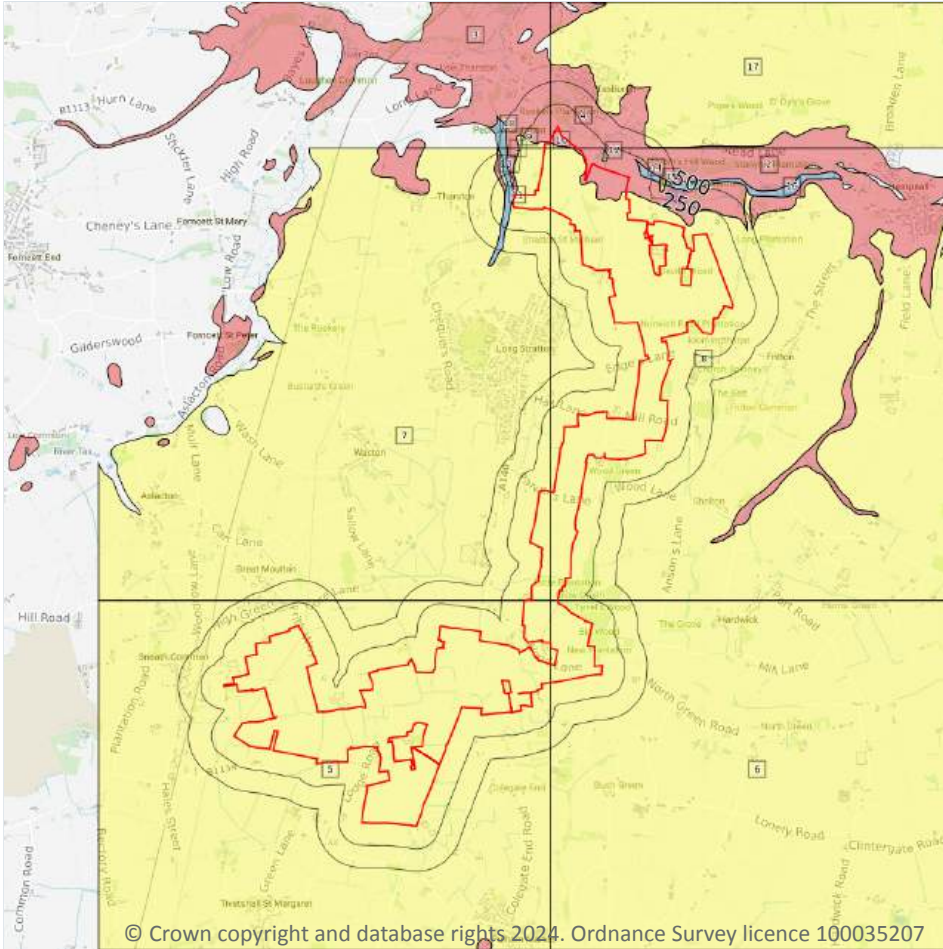
**0**

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*



## 5 Hydrogeology - Superficial aquifer



### 5.1 Superficial aquifer

Records within 500m

18

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 67 >](#)

| ID | Location | Designation | Description  |
|----|----------|-------------|--|
| 1  | On site  | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |
| 2  | On site  | Secondary A | 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 |

| ID | Location | Designation                | Description   |
|----|----------|----------------------------|---|
| 3  | On site  | Secondary A                | 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                  |
| 4  | On site  | Secondary A                | 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                  |
| 5  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 6  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 7  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 8  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 9  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 10 | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 11 | 6m N     | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |
| 12 | 75m N    | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 13 | 113m N   | Secondary A                | 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                  |
| 14 | 132m N   | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |
| 15 | 324m NE  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 16 | 385m NE  | Unproductive               | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |

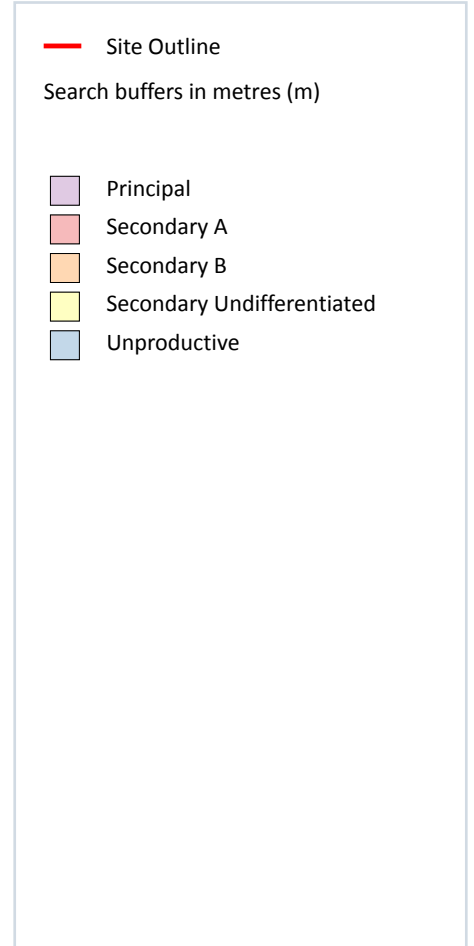
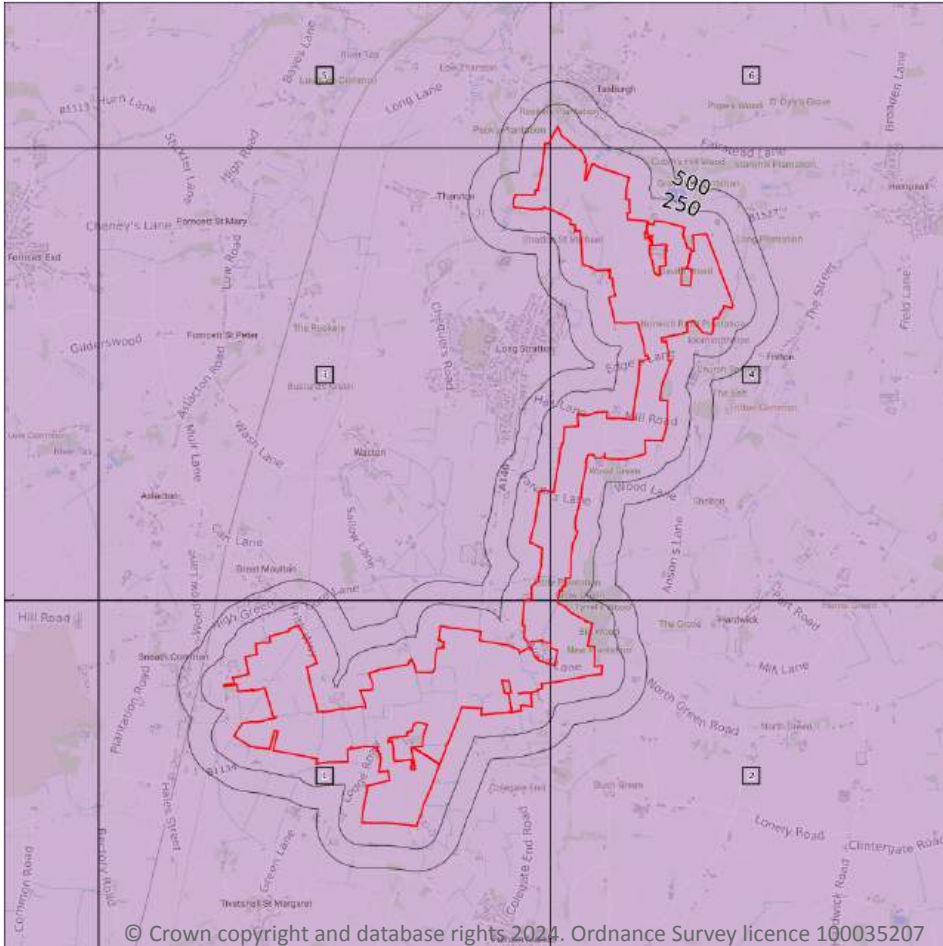


| ID | Location | Designation                   | Description   |
|----|----------|-------------------------------|---|
| 17 | 408m N   | Secondary<br>Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 18 | 410m N   | Unproductive                  | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow   |

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

6

Aquifer status of groundwater held within bedrock geology.

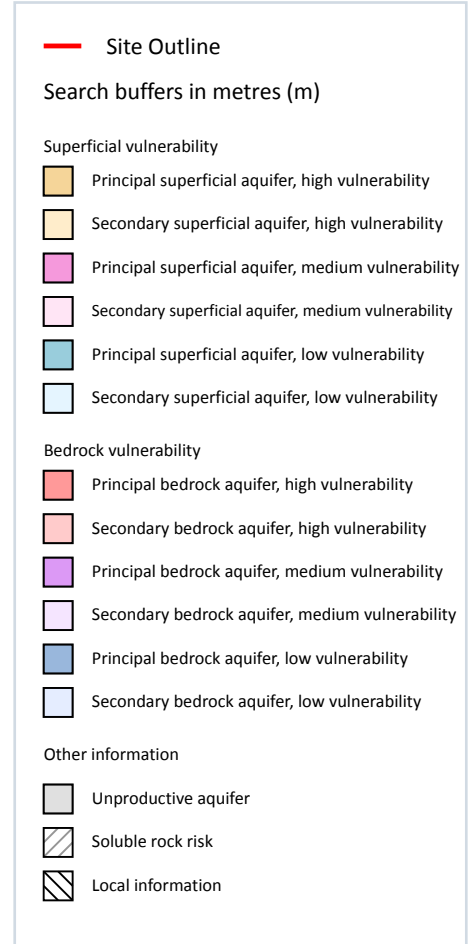
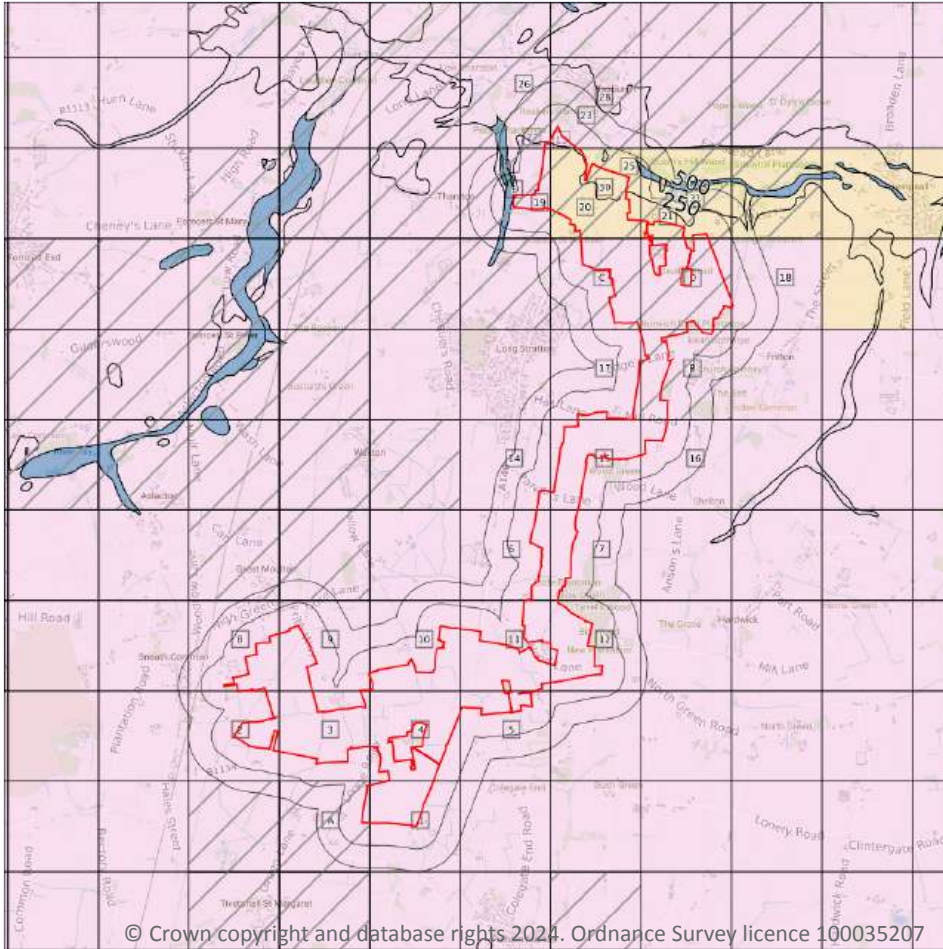
Features are displayed on the Bedrock aquifer map on [page 70 >](#)

| ID | Location | Designation | Description  |
|----|----------|-------------|--|
| 1  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |
| 2  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |

| ID | Location | Designation | Description  |
|----|----------|-------------|--|
| 3  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |
| 4  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |
| 5  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |
| 6  | On site  | Principal   | Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers |

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*

## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

32

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid.

Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 72 >](#)





| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 1  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 2  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 3  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 4  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 5  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |



| ID | Location | Summary  | Soil / surface   | Superficial geology   | Bedrock geology  |
|----|----------|--|--|---|--|
| 6  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 7  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 8  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 9  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 10 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |



| ID | Location | Summary  | Soil / surface  | Superficial geology   | Bedrock geology  |
|----|----------|--|---|---|--|
| 11 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 12 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 13 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 14 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 15 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |

| ID | Location | Summary  | Soil / surface  | Superficial geology   | Bedrock geology  |
|----|----------|--|---|---|--|
| 16 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 17 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 18 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Intergranular            |
| 19 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium<br><b>Vulnerability</b><br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer | <b>Leaching class:</b> Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 20 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer             | <b>Leaching class:</b> Intermediate<br><b>Infiltration value:</b> >70%<br><b>Dilution value:</b><br><300mm/year   | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 21 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial Aquifer             | <b>Leaching class:</b> Intermediate<br><b>Infiltration value:</b> >70%<br><b>Dilution value:</b><br><300mm/year   | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low   | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |



| ID | Location | Summary   | Soil / surface  | Superficial geology  | Bedrock geology  |
|----|----------|---|---|--|--|
| 22 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year  | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> High | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 23 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year  | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low  | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 24 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year  | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low  | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 25 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low    | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 26 | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b><br>Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year  | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> High | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| A  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year              | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low  | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |



| ID | Location | Summary   | Soil / surface  | Superficial geology  | Bedrock geology  |
|----|----------|---|---|--|--|
| B  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low          | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| C  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low          | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| D  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year          | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low          | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| E  | 6m N     | <b>Summary Classification:</b><br>Principal bedrock aquifer - Low Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Unproductive Superficial Aquifer      | <b>Leaching class:</b> Intermediate<br><b>Infiltration value:</b> 40-70%<br><b>Dilution value:</b><br><300mm/year | <b>Vulnerability:</b> Unproductive<br><b>Aquifer type:</b> Unproductive<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |
| 31 | 40m NE   | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer   | <b>Leaching class:</b> Intermediate<br><b>Infiltration value:</b> >70%<br><b>Dilution value:</b><br><300mm/year   | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> Low            | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Principal<br><b>Flow mechanism:</b> Well connected fractures |

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## 5.4 Groundwater vulnerability- soluble rock risk

**Records on site**
**9**

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

| ID | Maximum soluble risk category   | Percentage of grid square covered by maximum risk |
|----|---|---|
| 27 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.  | 85.0%   |
| 28 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.  | 91.0%   |
| 29 | Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow. | 0.0%  |
| 30 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.  | 100.0%  |
| A  | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.  | 15.0%   |
| B  | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.  | 0.0%  |
| C  | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.  | 30.0%   |
| D  | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.  | 10.0%   |
| E  | Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow. | 6.0%  |

*This data is sourced from the British Geological Survey and the Environment Agency.*

## 5.5 Groundwater vulnerability- local information

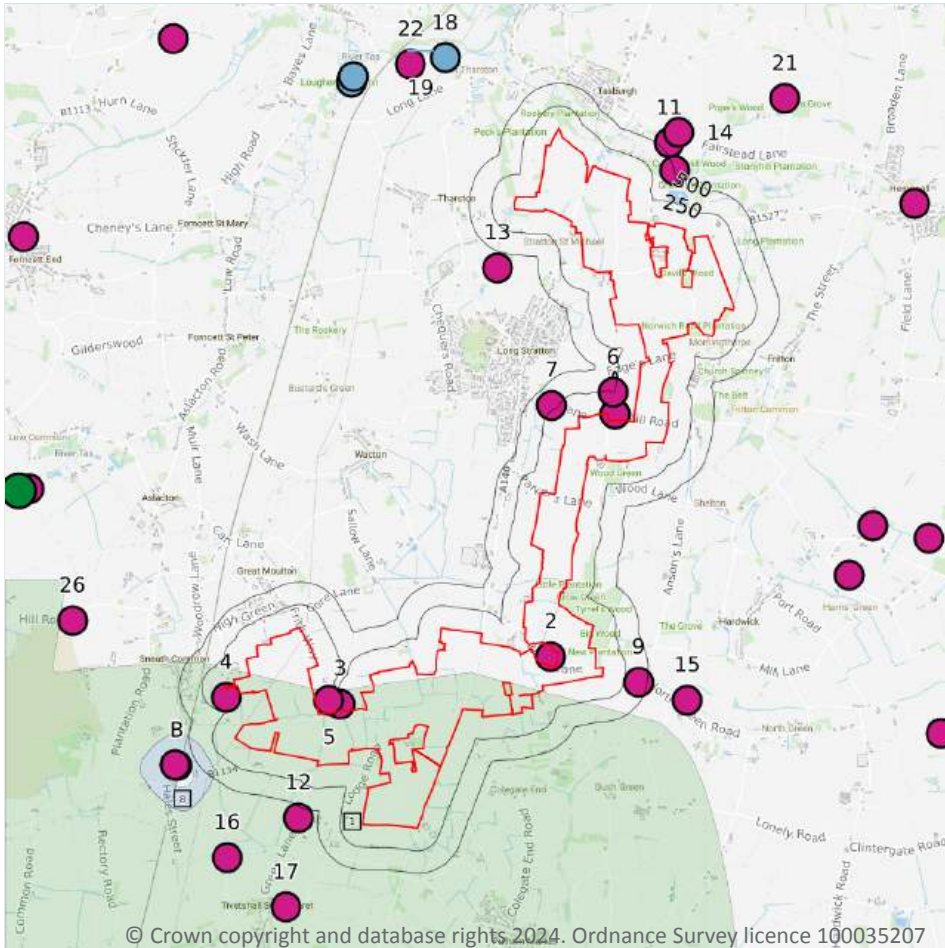
**Records on site**
**0**

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk) ↗.

*This data is sourced from the British Geological Survey and the Environment Agency.*



## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

27

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 80 >](#)



| ID | Location | Details   |  |
|----|----------|---|--|
| A  | 64m NE   | Status: Historical<br>Licence No: 7/34/14/*G/0110<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT LONG STRATTON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620700<br>Northing: 292080                               | Annual Volume (m <sup>3</sup> ): 7298.18<br>Max Daily Volume (m <sup>3</sup> ): 19.99<br>Original Application No: -<br>Original Start Date: 01/01/1993<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: - |
| A  | 64m NE   | Status: Historical<br>Licence No: 7/34/14/*G/0110<br>Details: General use relating to Secondary Category (Medium Loss)<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT LONG STRATTON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620700<br>Northing: 292080 | Annual Volume (m <sup>3</sup> ): 7298.18<br>Max Daily Volume (m <sup>3</sup> ): 19.99<br>Original Application No: -<br>Original Start Date: 01/01/1993<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: - |
| A  | 64m NE   | Status: Historical<br>Licence No: 7/34/14/*G/0110<br>Details: General use relating to Secondary Category (Medium Loss)<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT LONG STRATTON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620700<br>Northing: 292080 | Annual Volume (m <sup>3</sup> ): 7298.18<br>Max Daily Volume (m <sup>3</sup> ): 19.99<br>Original Application No: -<br>Original Start Date: 01/01/1993<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: - |
| 2  | 71m S    | Status: Historical<br>Licence No: 7/34/14/*G/0040<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT WOOD FM,PULHAM MARKET<br>Data Type: Point<br>Name: THACKER<br>Easting: 619990<br>Northing: 289400                          | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/01/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1966<br>Version End Date: -           |
| 3  | 84m SW   | Status: Historical<br>Licence No: 7/34/18/*G/0097<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT GREAT MOULTON<br>Data Type: Point<br>Name: BURTON<br>Easting: 617660<br>Northing: 288880                               | Annual Volume (m <sup>3</sup> ): 5000<br>Max Daily Volume (m <sup>3</sup> ): 18<br>Original Application No: -<br>Original Start Date: 01/11/1997<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/11/1997<br>Version End Date: -       |



| ID | Location | Details   |  |
|----|----------|---|--|
| 4  | 99m SW   | Status: Historical<br>Licence No: 7/34/18/*G/0027<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT BROADGATE WAY,GT MOU'N<br>Data Type: Point<br>Name: BARNES<br>Easting: 616400<br>Northing: 288950                        | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/04/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/1966<br>Version End Date: -       |
| 5  | 146m SW  | Status: Historical<br>Licence No: 7/34/18/*G/0104<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE, FRITH WAY,GT.MOULTON<br>Data Type: Point<br>Name: B W GAPP & SONS<br>Easting: 617540<br>Northing: 288920               | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/06/1998<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/06/1998<br>Version End Date: -       |
| 6  | 241m NE  | Status: Historical<br>Licence No: 7/34/14/*G/0057<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE N OF WINDMILL, LONG ST'TON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620680<br>Northing: 292320                       | Annual Volume (m <sup>3</sup> ): 8295<br>Max Daily Volume (m <sup>3</sup> ): 22.7<br>Original Application No: -<br>Original Start Date: 01/09/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: - |
| 7  | 301m N   | Status: Historical<br>Licence No: 7/34/14/*G/0057<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: WELL AT HALL FM, LONG STRATTON<br>Data Type: Point<br>Name: LEEDER<br>Easting: 620000<br>Northing: 292180                        | Annual Volume (m <sup>3</sup> ): 8295<br>Max Daily Volume (m <sup>3</sup> ): 22.7<br>Original Application No: -<br>Original Start Date: 01/09/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1993<br>Version End Date: - |
| 9  | 404m SE  | Status: Historical<br>Licence No: 7/34/14/*G/0050<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: WELL, BALES' FM, PULHAM MARKET<br>Data Type: Point<br>Name: ERNEST GEORGE WHITEROD & SONS<br>Easting: 620960<br>Northing: 289120 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/04/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/1966<br>Version End Date: -       |



| ID | Location | Details  |   |
|----|----------|--|---|
| 10 | 504m NE  | Status: Historical<br>Licence No: 7/34/14/*G/0002<br>Details: Spray Irrigation - Direct<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: RES AT FRIARS FM,MORNINGTHORPE<br>Data Type: Point<br>Name: SARGENT<br>Easting: 621360<br>Northing: 294780               | Annual Volume (m <sup>3</sup> ): 44545<br>Max Daily Volume (m <sup>3</sup> ): 682<br>Original Application No: -<br>Original Start Date: 01/12/1965<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1992<br>Version End Date: -              |
| 11 | 593m NE  | Status: Historical<br>Licence No: 7/34/14/*G/0056<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: WELL AT FAIRSTEAD FM,HEMPNALL<br>Data Type: Point<br>Name: SARGENT<br>Easting: 621300<br>Northing: 295080               | Annual Volume (m <sup>3</sup> ): 4545<br>Max Daily Volume (m <sup>3</sup> ): 18.18<br>Original Application No: -<br>Original Start Date: 01/08/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1992<br>Version End Date: -             |
| 12 | 615m SW  | Status: Active<br>Licence No: 7/34/18/*G/0063<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT TIVETSHALL ST. MARGARE<br>Data Type: Point<br>Name: Saddleback Farm<br>Easting: 617200<br>Northing: 287620          | Annual Volume (m <sup>3</sup> ): 9956<br>Max Daily Volume (m <sup>3</sup> ): 28<br>Original Application No: NPS/WR/037478<br>Original Start Date: 01/11/1973<br>Expiry Date: -<br>Issue No: 103<br>Version Start Date: 26/06/2022<br>Version End Date: -    |
| 13 | 675m N   | Status: Historical<br>Licence No: 7/34/14/*G/0128<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT PICTON ROAD, THARSTON,<br>NORWICH<br>Data Type: Point<br>Name: SMITH<br>Easting: 619400<br>Northing: 293700 | Annual Volume (m <sup>3</sup> ): 5000<br>Max Daily Volume (m <sup>3</sup> ): 20<br>Original Application No: -<br>Original Start Date: -<br>Expiry Date: 31/12/2020<br>Issue No: 1<br>Version Start Date: 21/05/2001<br>Version End Date: -                  |
| B  | 710m SW  | Status: Active<br>Licence No: 7/34/18/*G/0026<br>Details: General Washing/Process Washing<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT MALTHOUSES,TIVETSHALL<br>Data Type: Point<br>Name: SIMPSONS MALT LTD<br>Easting: 615856<br>Northing: 288198    | Annual Volume (m <sup>3</sup> ): 184400<br>Max Daily Volume (m <sup>3</sup> ): 515<br>Original Application No: NPS/WR/023702<br>Original Start Date: 16/05/1966<br>Expiry Date: -<br>Issue No: 105<br>Version Start Date: 01/04/2021<br>Version End Date: - |



| ID | Location | Details   |   |
|----|----------|---|---|
| B  | 724m SW  | Status: Historical<br>Licence No: 7/34/18/*G/0026<br>Details: General use relating to Secondary Category (Medium Loss)<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT MALTHOUSES,TIVETSHALL<br>Data Type: Point<br>Name: J P SIMPSON & CO (ALNWICK) LTD<br>Easting: 615840<br>Northing: 288200 | Annual Volume (m <sup>3</sup> ): 184400<br>Max Daily Volume (m <sup>3</sup> ): 464<br>Original Application No: -<br>Original Start Date: 01/05/1966<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 22/01/2002<br>Version End Date: - |
| B  | 724m SW  | Status: Historical<br>Licence No: 7/34/18/*G/0026<br>Details: General Washing/Process Washing<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT MALTHOUSES,TIVETSHALL<br>Data Type: Point<br>Name: SIMPSONS MALT LTD<br>Easting: 615840<br>Northing: 288200                                       | Annual Volume (m <sup>3</sup> ): 184400<br>Max Daily Volume (m <sup>3</sup> ): 515<br>Original Application No: -<br>Original Start Date: 16/05/1966<br>Expiry Date: -<br>Issue No: 104<br>Version Start Date: 01/04/2010<br>Version End Date: - |
| 14 | 748m NE  | Status: Historical<br>Licence No: 7/34/14/*G/0113<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT HEMPNALL<br>Data Type: Point<br>Name: REEDER<br>Easting: 621400<br>Northing: 295200  | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/03/1993<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/03/1993<br>Version End Date: -        |
| 15 | 974m SE  | Status: Historical<br>Licence No: 7/34/14/*G/0084<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT GROVE FM,PULHAM MKT<br>Data Type: Point<br>Name: DAVIDSON<br>Easting: 621500<br>Northing: 288920   | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/01/1968<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/1995<br>Version End Date: -        |
| 16 | 1236m SW | Status: Historical<br>Licence No: 7/34/18/*G/0034<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT HALL FM,TIVETSHALL S M<br>Data Type: Point<br>Name: COPYFARM (BLACKMORE) LTD<br>Easting: 616410<br>Northing: 287180                                    | Annual Volume (m <sup>3</sup> ): 6800<br>Max Daily Volume (m <sup>3</sup> ): 20<br>Original Application No: -<br>Original Start Date: 01/09/1966<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 17/07/2000<br>Version End Date: -    |



| ID | Location | Details   |   |
|----|----------|---|---|
| 17 | 1249m SW | Status: Historical<br>Licence No: 7/34/18/*G/0012<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORED WELL,ELM TREE FM,TIVET'L<br>Data Type: Point<br>Name: WOOD<br>Easting: 617060<br>Northing: 286630                  | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/01/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/01/1966<br>Version End Date: -      |
| 21 | 1742m NE | Status: Historical<br>Licence No: 7/34/14/*G/0025<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT GROVE FM,HEMPNALL<br>Data Type: Point<br>Name: SARGENT<br>Easting: 622580<br>Northing: 295570                    | Annual Volume (m <sup>3</sup> ): 6600<br>Max Daily Volume (m <sup>3</sup> ): 18<br>Original Application No: -<br>Original Start Date: 01/12/1965<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/10/1995<br>Version End Date: -  |
| 22 | 1746m N  | Status: Active<br>Licence No: 7/34/14/*G/0096<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE NR CHAMUSCA LOW THARSTON<br>Data Type: Point<br>Name: BARNES<br>Easting: 618440<br>Northing: 295950                     | Annual Volume (m <sup>3</sup> ): 10900<br>Max Daily Volume (m <sup>3</sup> ): 30<br>Original Application No: -<br>Original Start Date: 01/12/1980<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/04/2021<br>Version End Date: - |
| -  | 1753m S  | Status: Historical<br>Licence No: 7/34/18/*G/0065<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT HALL FM,PULHAM MKT<br>Data Type: Point<br>Name: YOUNG (PULHAM MARKET) LTD<br>Easting: 618840<br>Northing: 285780 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/10/1976<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/12/1976<br>Version End Date: -      |
| -  | 1795m SW | Status: Historical<br>Licence No: 7/34/16/*G/0045<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT CROFT HOUSE,TIVETSHALL<br>Data Type: Point<br>Name: GILL<br>Easting: 616980<br>Northing: 286010                  | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/09/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/09/1966<br>Version End Date: -      |



| ID | Location | Details  |  |
|----|----------|--|--|
| -  | 1810m SW | Status: Historical<br>Licence No: 7/34/16/*G/0057<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BORE AT CROFT FM,TIVETSHALL<br>Data Type: Point<br>Name: CAWSTON<br>Easting: 616920<br>Northing: 286030             | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/05/1973<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/05/1973<br>Version End Date: - |
| 26 | 1840m W  | Status: Historical<br>Licence No: 7/34/14/*G/0118<br>Details: General Farming & Domestic<br>Direct Source: GROUND WATER SOURCE OF SUPPLY<br>Point: BOREHOLE AT TIBENHAM<br>Data Type: Point<br>Name: BERNARD MATTHEWS FOODS LTD<br>Easting: 614700<br>Northing: 289800 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 01/02/1995<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 01/02/1995<br>Version End Date: - |

This data is sourced from the Environment Agency and Natural Resources Wales.

## 5.7 Surface water abstractions

### Records within 2000m

**3**

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 80 >](#)

| ID | Location | Details   |  |
|----|----------|---|--|
| 18 | 1478m N  | Status: Active<br>Licence No: 7/34/14/*S/0082<br>Details: Spray Irrigation - Direct<br>Direct Source: SURFACE WATER SOURCE OF SUPPLY<br>Point: R TAS AT THARSTON<br>Data Type: Point<br>Name: BARNES<br>Easting: 618820<br>Northing: 296020 | Annual Volume (m <sup>3</sup> ): 40500<br>Max Daily Volume (m <sup>3</sup> ): 328<br>Original Application No: -<br>Original Start Date: 01/06/1967<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 09/06/2011<br>Version End Date: - |



| ID | Location | Details  |   |
|----|----------|--|---|
| 19 | 1621m N  | Status: Historical<br>Licence No: 7/34/14/*S/0127<br>Details: Spray Irrigation - Storage<br>Direct Source: SURFACE WATER SOURCE OF SUPPLY<br>Point: RIVER TAS IN LOW THARSTON, NORFOLK<br>Data Type: Line<br>Name: BRIGHTON<br>Easting: 618400<br>Northing: 296100 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: -<br>Expiry Date: 31-Mar-20<br>Issue No: 1<br>Version Start Date: 24/10/2000<br>Version End Date: -               |
| -  | 1624m N  | Status: Active<br>Licence No: 7/34/14/*S/0123<br>Details: Make-Up Or Top Up Water<br>Direct Source: SURFACE WATER SOURCE OF SUPPLY<br>Point: RIVER TAS AT FLORDON<br>Data Type: Point<br>Name: ELLIS<br>Easting: 619760<br>Northing: 296830                        | Annual Volume (m <sup>3</sup> ): 18200<br>Max Daily Volume (m <sup>3</sup> ): 224<br>Original Application No: ES2186<br>Original Start Date: 01/05/1998<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 19/01/2001<br>Version End Date: - |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.8 Potable abstractions

### Records within 2000m

**0**

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.9 Source Protection Zones

### Records within 500m

**2**

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

Features are displayed on the Abstractions and Source Protection Zones map on [page 80 >](#)

| ID       | Location       | Type     | Description            |
|----------|----------------|----------|------------------------|
| <b>1</b> | <b>On site</b> | <b>3</b> | <b>Total catchment</b> |
| 8        | 366m SW        | 2        | Outer catchment        |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

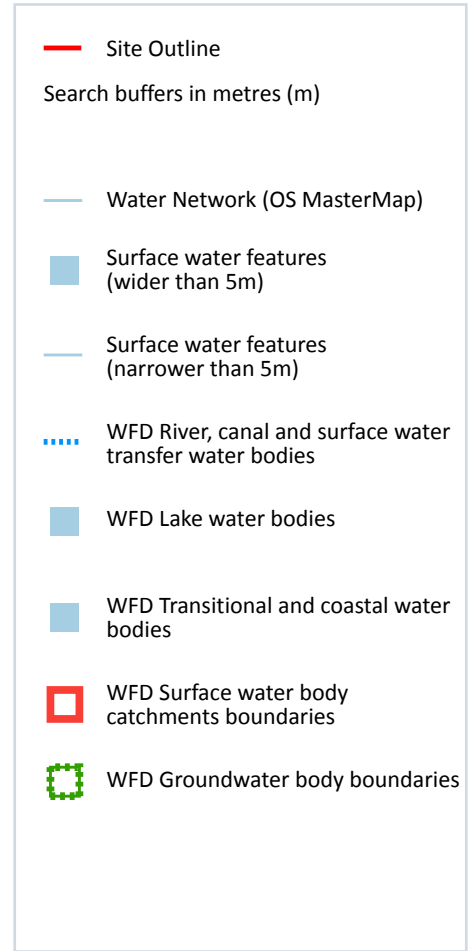
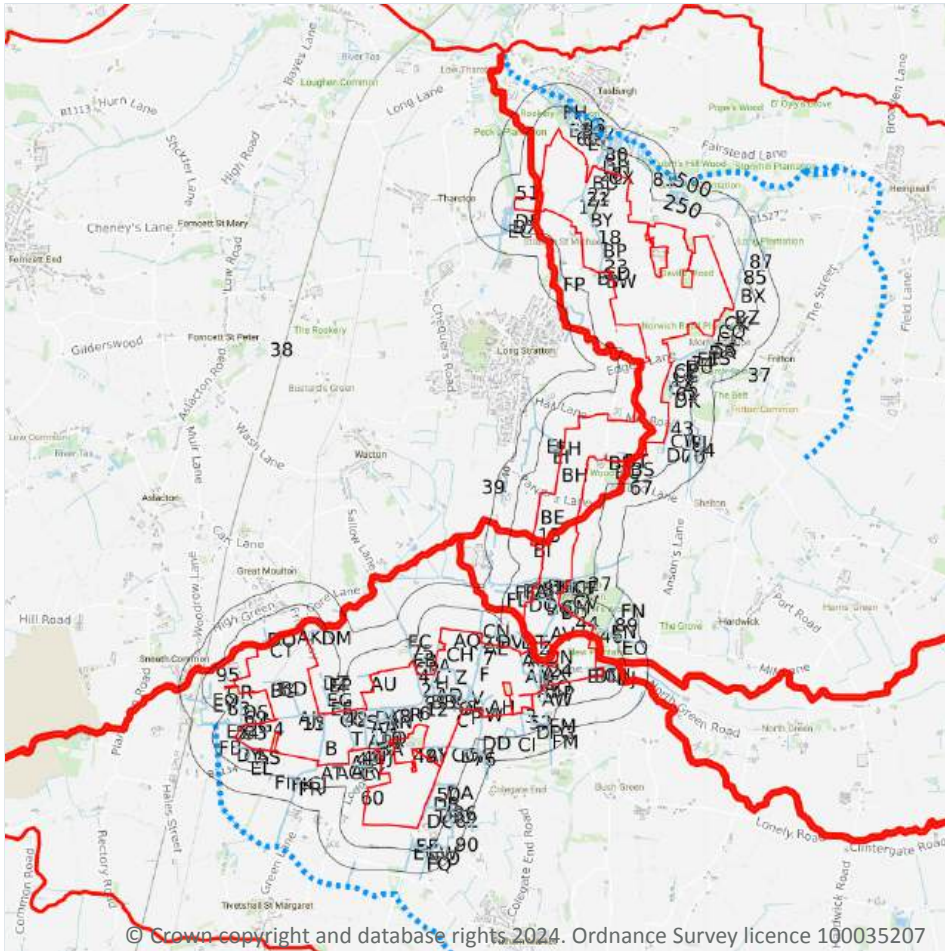
Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

*This data is sourced from the Environment Agency and Natural Resources Wales.*





## 6 Hydrology



### 6.1 Water Network (OS MasterMap)

Records within 250m

426

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 89](#) >

| ID | Location | Type of water feature    | Ground level      | Permanence  | Name |
|----|----------|--------------------------|-------------------|---|------|
| 1  | On site  | Lake, loch or reservoir. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |

| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 2  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 3  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 4  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 5  | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 6  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 7  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 8  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 9  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 10 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 11 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 12 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 13 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 14 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 15 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 16 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 17 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 18 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 19 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 20 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 21 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 22 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 23 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 24 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 25 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 26 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 27 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| A  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| B  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| C  | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| C  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| C  | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| C  | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| D  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| D  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| D  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| D  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| D  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| D  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| D  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| D  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| E  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| E  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| E  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| E  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| E  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| F  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| F  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| G  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| G  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| H  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| I  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| J  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| K  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| L  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| M  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| N  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| O  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| O  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| P  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| Q  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| R  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| S  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| T  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| U  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| U  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| U  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| U  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| U  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| U  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| V  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| V  | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| W  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| W  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| W  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| X  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| Y  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| Z  | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AA | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AB | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BA | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AC | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AC | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AC | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BB | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CA | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AD | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BC | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CB | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AE | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| BD | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CC | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AF | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AF | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AF | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AF | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AF | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BE | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CD | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AG | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BF | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BF | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BF | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| CE | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AH | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BG | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AI | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BH | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CG | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AJ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BI | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AK | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BJ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AL | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BK | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AM | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BL | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AN | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BM | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BM | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AO | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AO | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AO | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BN | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AP | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BO | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BO | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BO | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| BO | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BO | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AQ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BP | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AR | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AR | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BQ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AR | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AR | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AS | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BR | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BR | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AT | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AT | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BS | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BS | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BS | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AU | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BT | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AV | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BU | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AW | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BV | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BV | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AX | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BW | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AY | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AY | On site  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BX | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AZ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BY | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BZ | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BZ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 40 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 41 | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CJ | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BR | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 42 | On site  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CH | On site  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 43 | 1m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 44 | 1m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CK | 1m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BZ | 1m NE    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CL | 2m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CM | 2m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BO | 2m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 2m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CN | 2m S     | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CM | 2m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BZ | 2m NE    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CO | 2m S     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AS | 2m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AS | 2m SW    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| BS | 2m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 3m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 46 | 3m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CM | 3m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CP | 3m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| W  | 3m S     | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 47 | 4m SW    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CE | 4m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CM | 4m SE    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 5m NE    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 5m NE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 6m NE    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| AW | 6m S     | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AR | 6m SW    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CR | 6m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CH | 6m SW    | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CS | 7m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CU | 9m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CT | 9m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 48 | 9m SW    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CV | 9m SE    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CU | 10m SE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| AW | 10m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CX | 10m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CY | 11m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| CZ | 11m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CW | 11m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 11m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 11m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| BV | 12m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CO | 12m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 15m NE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 50 | 15m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DA | 15m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DB | 15m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 51 | 16m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DC | 16m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 16m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| CI | 19m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 52 | 19m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 53 | 20m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 54 | 20m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DD | 22m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DE | 23m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 23m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DG | 25m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 26m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 26m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 27m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CU | 28m SE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DH | 30m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| CT | 38m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CT | 38m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DJ | 38m SE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 44m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DK | 45m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DL | 46m NE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 49m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DM | 51m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AW | 53m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CT | 53m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 56 | 55m NE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DN | 55m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 56m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| DO | 56m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DL | 57m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DN | 58m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DP | 58m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| AW | 58m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DQ | 60m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CE | 63m NE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 64m SE   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 64m SE   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 64m SE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DR | 65m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DS | 65m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CF | 66m SE   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| DT | 66m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DU | 66m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DQ | 67m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| CQ | 69m NE   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 71m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DW | 73m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DQ | 74m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DT | 75m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DV | 75m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DX | 79m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DZ | 84m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DY | 87m SW   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 58 | 87m S    | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| 60 | 90m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EA | 91m S    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 92m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 92m N    | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 62 | 97m NE   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EB | 98m SW   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 63 | 99m SW   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DL | 99m NE   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EC | 102m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 102m N   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EB | 103m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 106m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DF | 106m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| EE | 107m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EF | 111m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 112m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 112m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DH | 112m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EC | 114m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EG | 115m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EH | 118m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EI | 121m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EE | 121m S   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EH | 122m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EI | 122m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 65 | 122m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| ED | 122m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 123m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EI | 127m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EF | 129m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EJ | 129m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EK | 131m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EL | 131m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EI | 132m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 67 | 134m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EL | 140m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EM | 144m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DW | 146m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 154m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| EN | 155m SE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EO | 155m SE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 155m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EP | 157m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EQ | 157m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ER | 159m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 160m N   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ES | 161m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 162m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 68 | 162m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ES | 162m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ES | 165m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ET | 165m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| EU | 165m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| DW | 167m S   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ES | 168m NE  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 69 | 168m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 169m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 169m N   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 169m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 70 | 170m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 71 | 171m N   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| DW | 171m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EW | 172m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EK | 175m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 176m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| EX | 177m SW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 183m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EY | 185m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 185m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 185m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EY | 189m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EK | 189m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX | 190m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EK | 191m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 74 | 192m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 75 | 194m SW  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 76 | 196m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX | 198m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| EX | 198m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EC | 200m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EC | 200m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 201m N   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 201m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 78 | 204m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FB | 205m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FC | 205m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 206m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 207m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 207m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 80 | 207m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EK | 208m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| EK | 208m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 81 | 215m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 216m N   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 82 | 216m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 83 | 216m N   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FF | 217m S   | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 85 | 217m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 86 | 220m S   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 220m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 220m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EC | 220m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EC | 220m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FG | 222m S   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| ED | 223m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 223m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FH | 223m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EY | 225m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 87 | 226m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 89 | 230m SE  | Lake, loch or reservoir.                            | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FI | 231m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 90 | 232m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FG | 232m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FK | 233m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FF | 233m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FJ | 234m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FL | 236m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |





| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| FG | 236m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FK | 237m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| FG | 239m S   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 239m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FM | 240m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FN | 240m SE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 92 | 242m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 242m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 93 | 243m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FO | 243m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| ED | 243m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 243m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FJ | 244m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |



| ID | Location | Type of water feature                               | Ground level      | Permanence  | Name |
|----|----------|---|-------------------|---|------|
| FP | 245m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| 94 | 246m NE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX | 246m SW  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 248m N   | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | -    |
| 95 | 249m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EU | 249m N   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FQ | 250m S   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| FR | 250m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |
| EX | 250m SW  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | -    |

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

**Records within 250m**

**122**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 89 >](#)

*This data is sourced from the Ordnance Survey.*



### 6.3 WFD Surface water body catchments

#### Records on site

**3**

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 89 >](#)

| ID | Location | Type  | Water body catchment   | Water body ID  | Operational catchment | Management catchment |
|----|----------|-------|------------------------|----------------|-----------------------|----------------------|
| 36 | On site  | River | Starston Brook         | GB105034045880 | Waveney               | Broadland Rivers     |
| 37 | On site  | River | Hempnall Beck          | GB105034045720 | Yare                  | Broadland Rivers     |
| 38 | On site  | River | Tas (Head to Tasburgh) | GB105034045730 | Yare                  | Broadland Rivers     |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 6.4 WFD Surface water bodies

#### Records identified

**3**

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 89 >](#)

| ID | Location | Type  | Name                   | Water body ID                    | Overall rating | Chemical rating | Ecological rating | Year |
|----|----------|-------|------------------------|----------------------------------|----------------|-----------------|-------------------|------|
| 79 | 205m SW  | River | Starston Brook         | <a href="#">GB105034045880</a> ↗ | Moderate       | Fail            | Moderate          | 2019 |
| 98 | 255m N   | River | Hempnall Beck          | <a href="#">GB105034045720</a> ↗ | Poor           | Fail            | Poor              | 2019 |
| -  | 1038m N  | River | Tas (Head to Tasburgh) | <a href="#">GB105034045730</a> ↗ | Moderate       | Fail            | Moderate          | 2019 |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 6.5 WFD Groundwater bodies

Records on site

1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

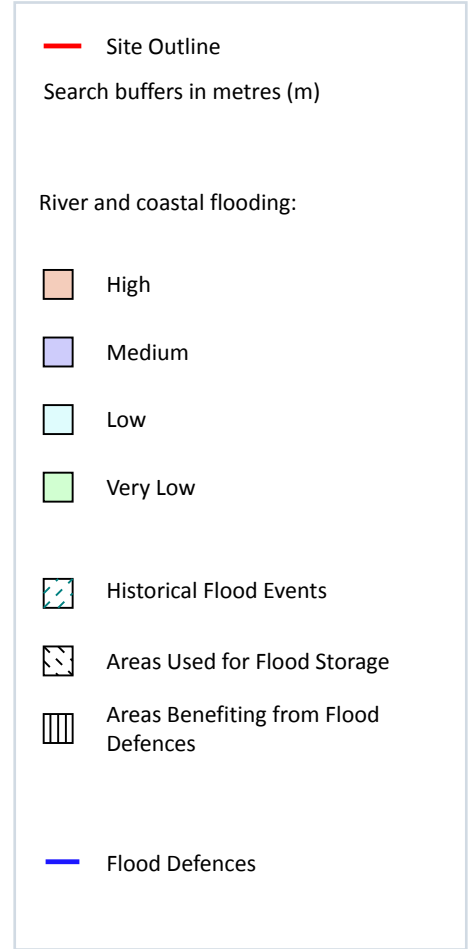
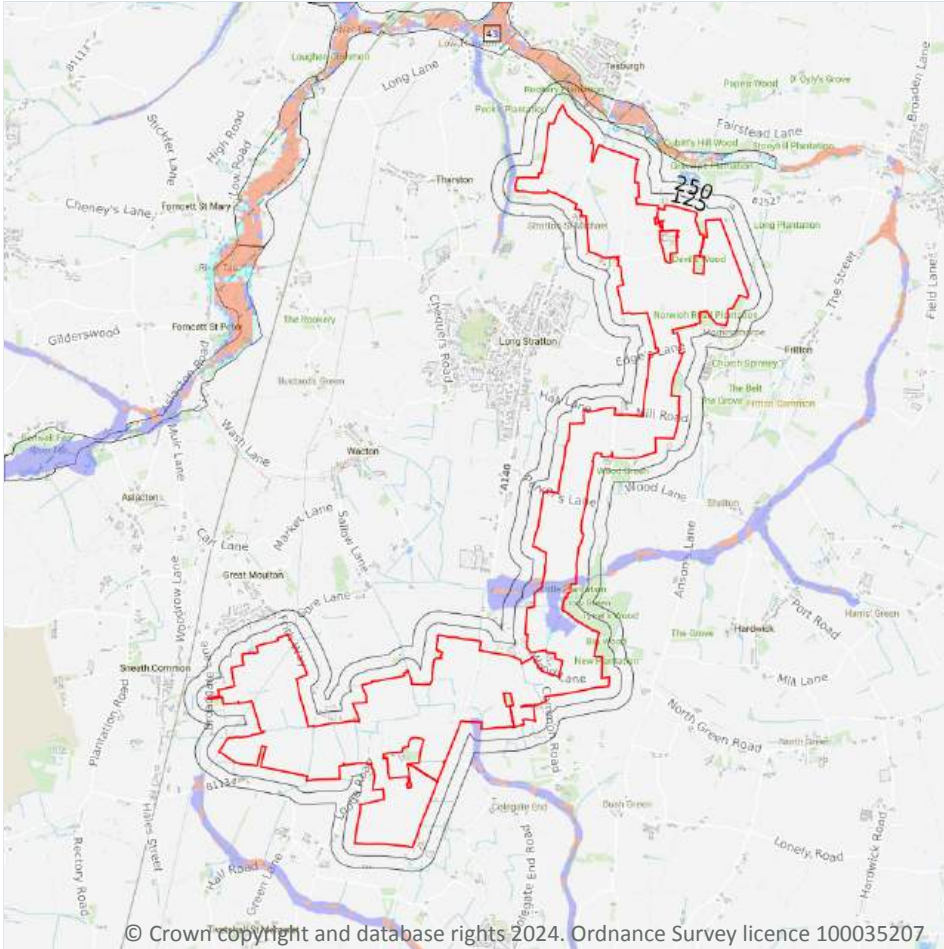
Features are displayed on the Hydrology map on [page 89 >](#)

| ID | Location | Name                             | Water body ID                    | Overall rating | Chemical rating | Quantitative | Year |
|----|----------|----------------------------------|----------------------------------|----------------|-----------------|--------------|------|
| 39 | On site  | Broadland Rivers<br>Chalk & Crag | <a href="#">GB40501G400300 ↗</a> | Poor           | Poor            | Poor         | 2019 |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7 River and coastal flooding



### 7.1 Risk of flooding from rivers and the sea

Records within 50m

35

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on [page 125 >](#)

| Distance       | Flood risk category |
|----------------|---------------------|
| <b>On site</b> | <b>High</b>         |
| 0 - 50m        | High                |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.2 Historical Flood Events

| Records within 250m | 1 |
|---------------------|---|
|---------------------|---|

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on [page 125 >](#)

| ID | Location | Event name                   | Date of flood            | Flood source | Flood cause                                    | Type of flood |
|----|----------|------------------------------|--------------------------|--------------|--|---------------|
| 43 | 139m N   | 1968 September Flood Outline | 1968-01-12<br>1968-01-15 | Main river   | Channel capacity exceeded (no raised defences) | Fluvial       |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.3 Flood Defences

| Records within 250m | 0 |
|---------------------|---|
|---------------------|---|

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.4 Areas Benefiting from Flood Defences

| Records within 250m | 0 |
|---------------------|---|
|---------------------|---|

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7.5 Flood Storage Areas

Records within 250m

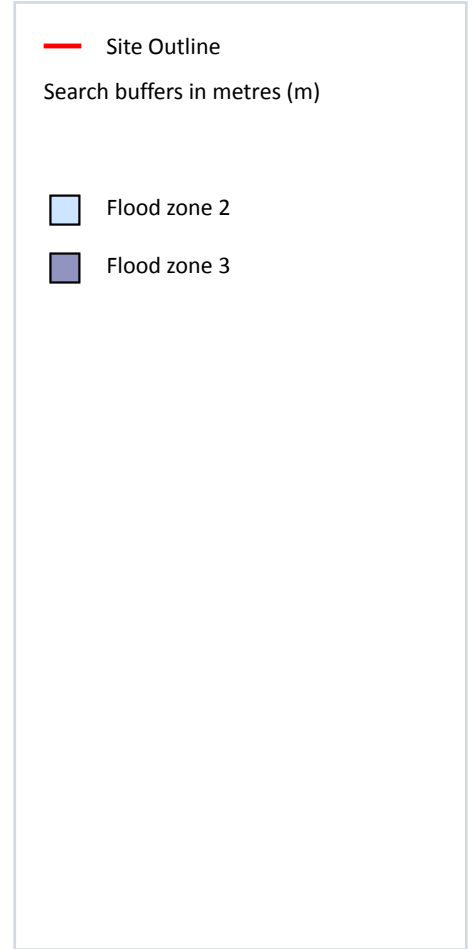
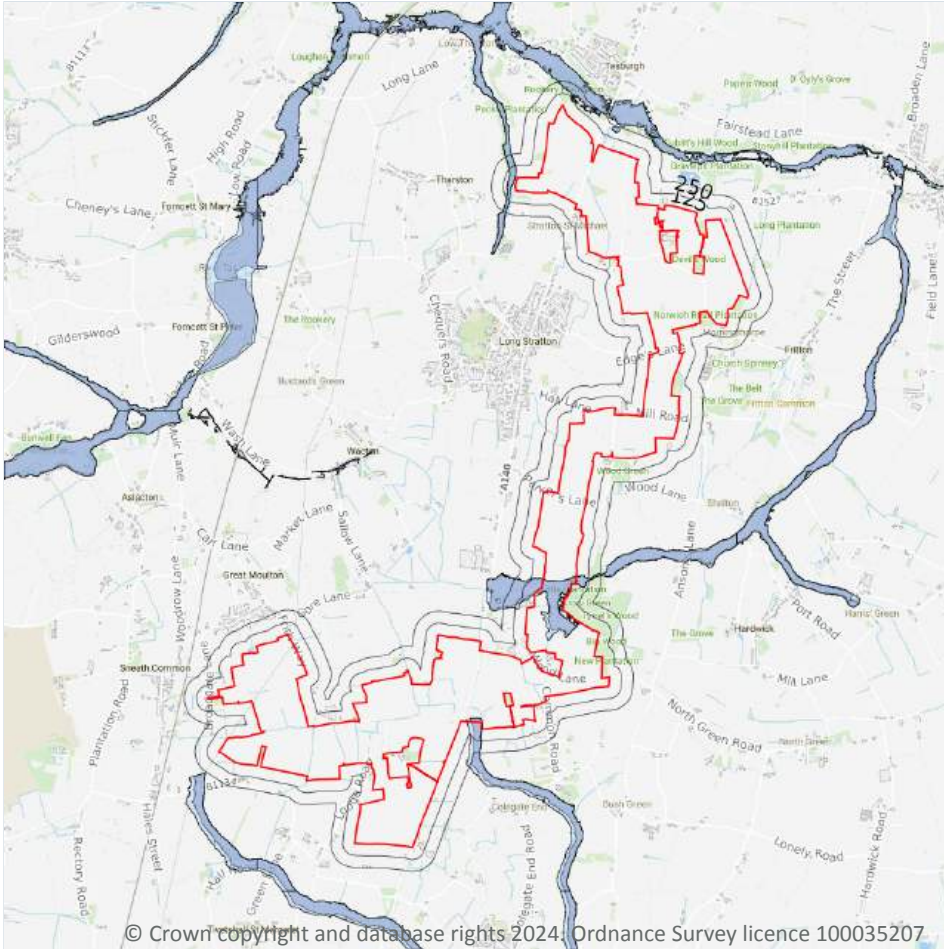
0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## River and coastal flooding - Flood Zones



### 7.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on [page 125 >](#)

| Location | Type                             |
|----------|----------------------------------|
| On site  | Zone 2 - (Fluvial /Tidal Models) |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7.7 Flood Zone 3

### Records within 50m

**1**

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

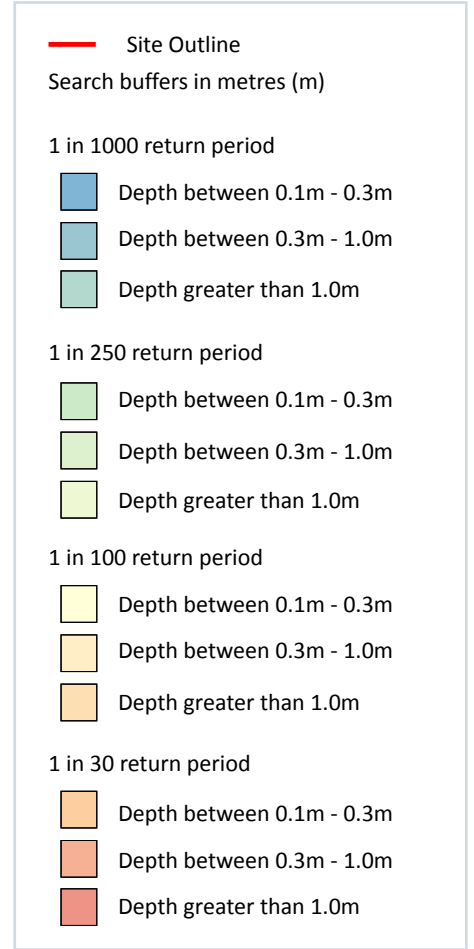
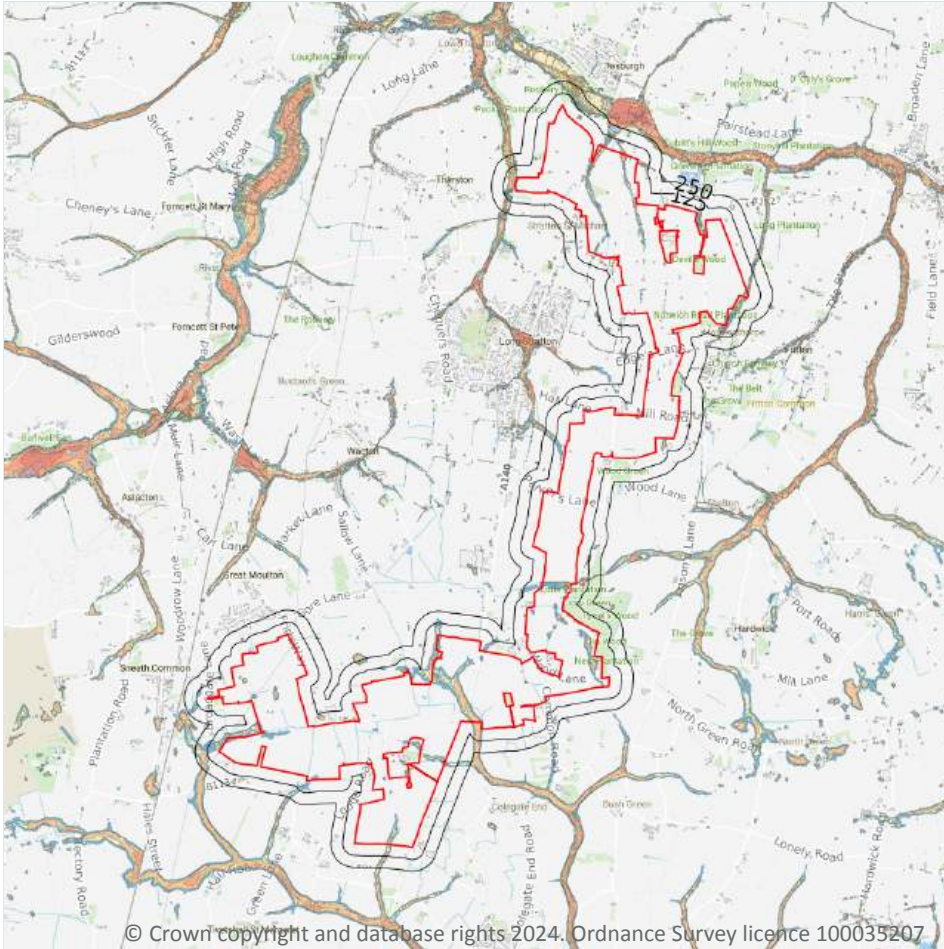
Features are displayed on the River and coastal flooding map on [page 125 >](#)

| Location | Type                      |
|----------|---------------------------|
| On site  | Zone 3 - (Fluvial Models) |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 8 Surface water flooding



### 8.1 Surface water flooding

**Highest risk on site**

**1 in 30 year, 0.3m - 1.0m**

**Highest risk within 50m**

**1 in 30 year, Greater than 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 130 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on

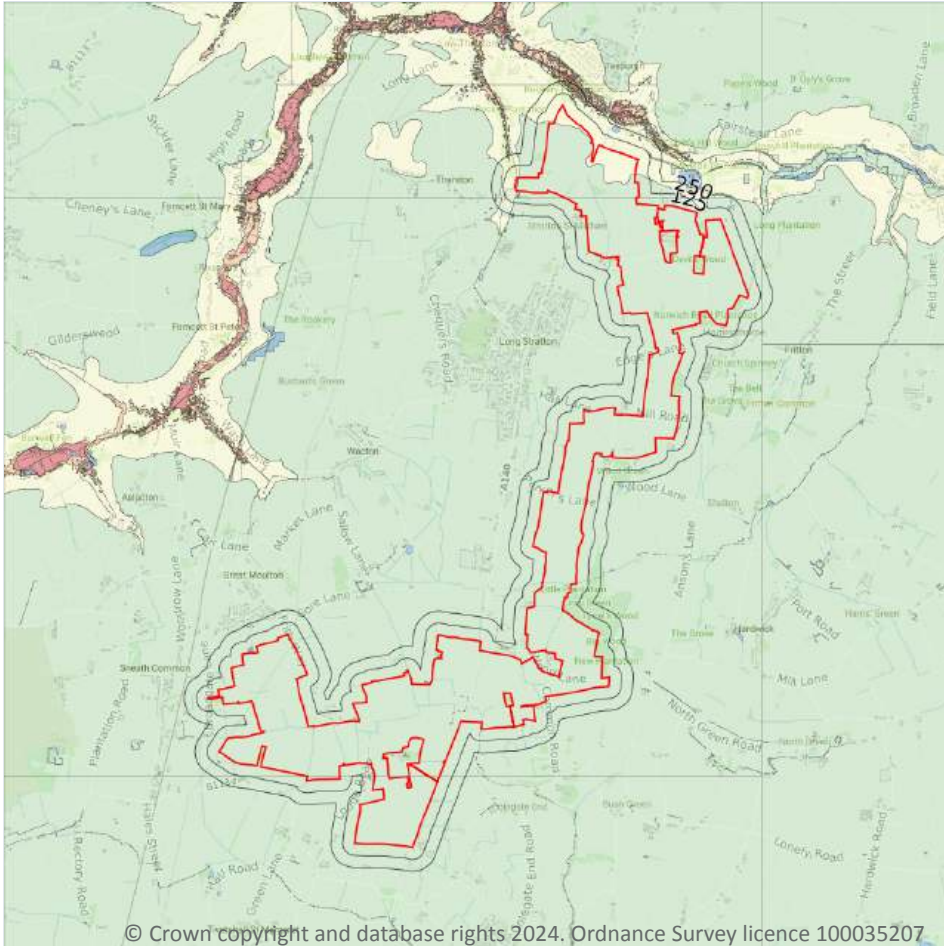
a site. The table below shows the maximum flood depths for a range of return periods for the site.

| Return period  | Maximum modelled depth |
|----------------|------------------------|
| 1 in 1000 year | Greater than 1.0m      |
| 1 in 250 year  | Greater than 1.0m      |
| 1 in 100 year  | Greater than 1.0m      |
| 1 in 30 year   | Between 0.3m and 1.0m  |

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Moderate**

**Highest risk within 50m**

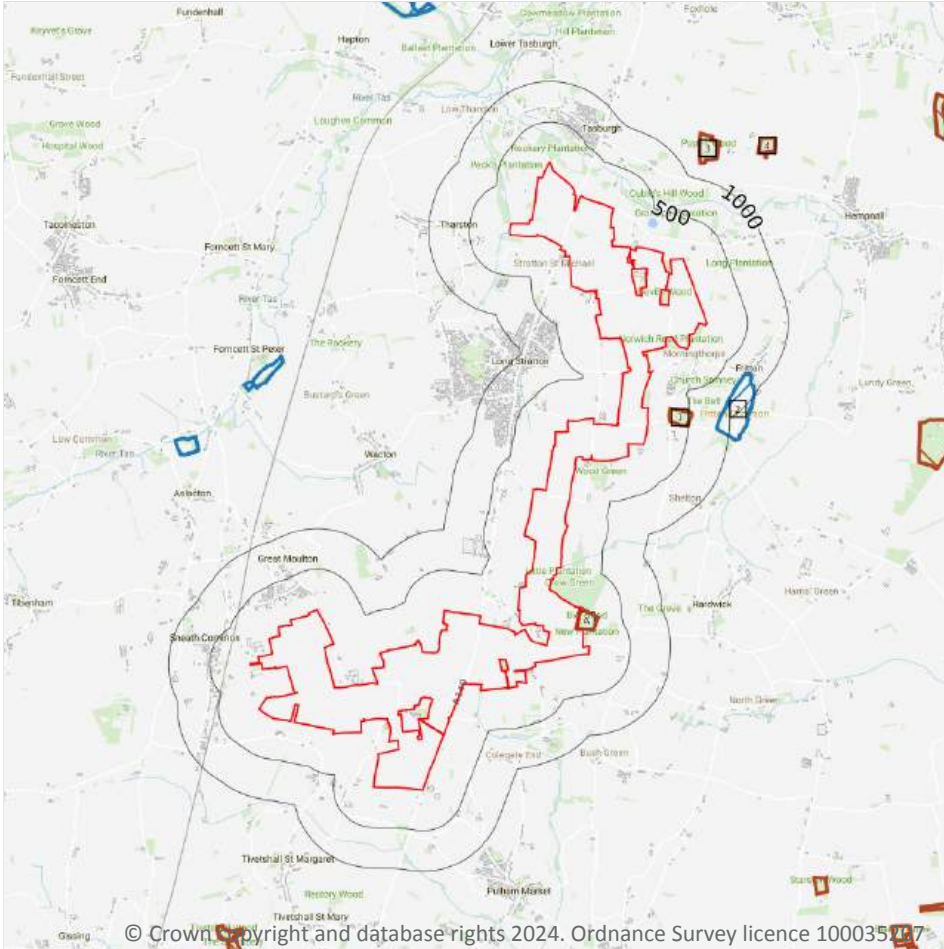
**Moderate**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 132 >](#)

*This data is sourced from Ambiental Risk Analytics.*

## 10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- ▣ Sites of Special Scientific Interest (SSSI)
- ▣ Special Areas of Conservation (SAC)
- + Local Nature Reserves (LNR)
- ▣ Designated Ancient Woodland

### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on [page 133](#) >

| ID | Location | Name                   | Data source     |
|----|----------|------------------------|-----------------|
| A  | On site  | Pulham Market Big Wood | Natural England |



| ID | Location | Name           | Data source     |
|----|----------|----------------|-----------------|
| 2  | 759m NE  | Fritton Common | Natural England |

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



## 10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

Records within 2000m

4

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on [page 133 >](#)

| ID       | Location       | Name            | Woodland Type                              |
|----------|----------------|-----------------|--|
| <b>A</b> | <b>On site</b> | <b>Big Wood</b> | <b>Ancient &amp; Semi-Natural Woodland</b> |
| 1        | 263m NE        | The Grove       | Ancient Replanted Woodland                 |
| 3        | 1198m NE       | Popes Wood      | Ancient Replanted Woodland                 |
| 4        | 1602m NE       | Doylys Grove    | Ancient Replanted Woodland                 |

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



## 10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*

## 10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

## 10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

## 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

*This data is sourced from Natural England and Natural Resources Wales.*





## 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

## 10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*

## 10.16 Nitrate Vulnerable Zones

Records within 2000m

7

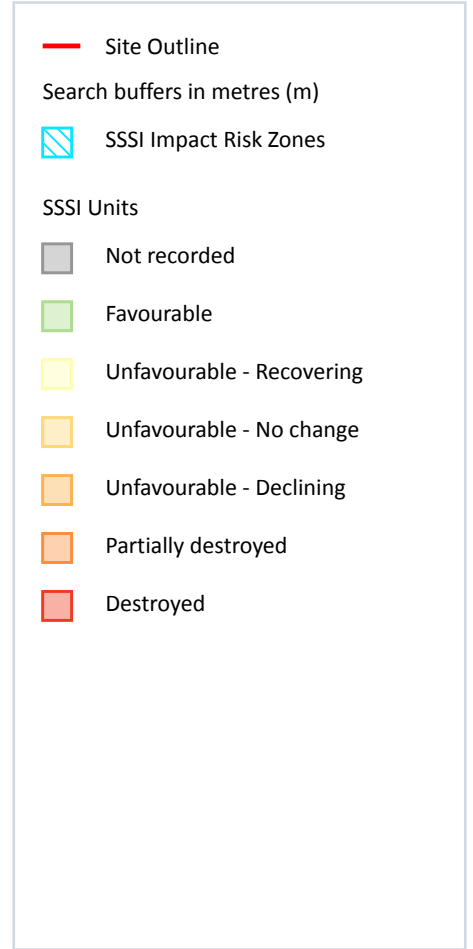
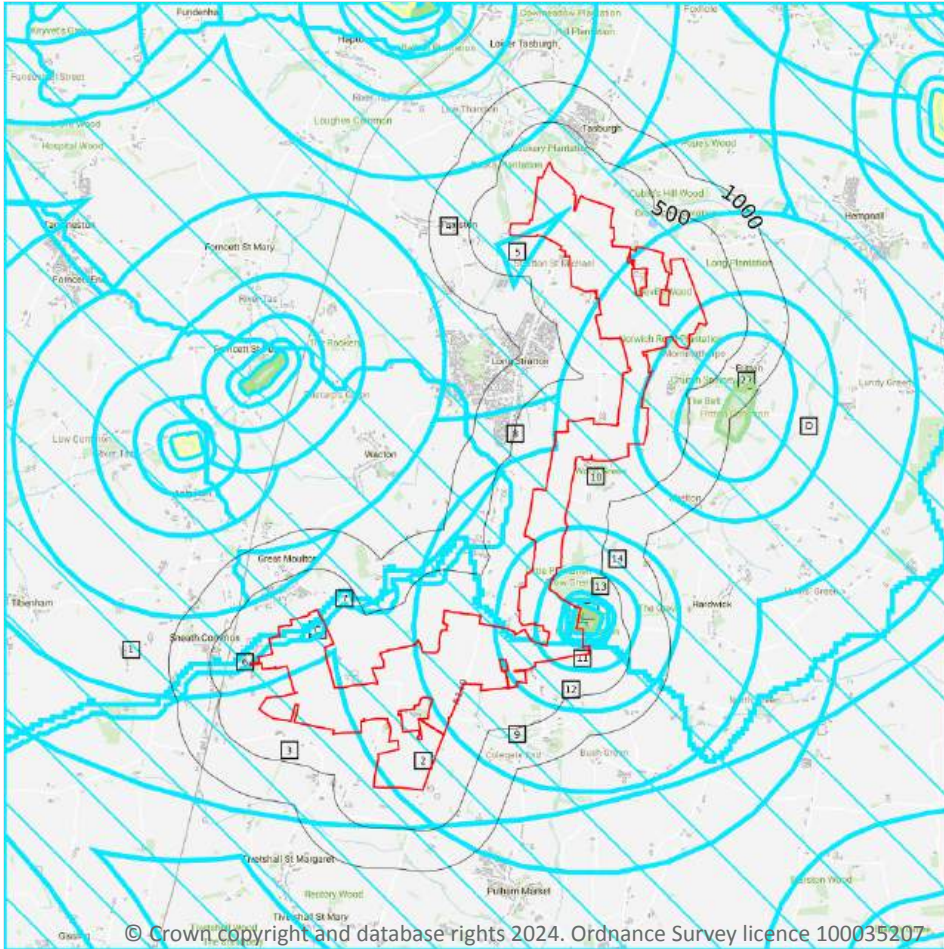
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

| Location | Name              | Type          | NVZ ID | Status   |
|----------|-------------------|---------------|--------|----------|
| On site  | Hempnall Beck NVZ | Surface Water | 394    | Existing |
| On site  | Tas NVZ           | Surface Water | 395    | Existing |
| On site  | River Waveney NVZ | Surface Water | 396    | Existing |
| 744m N   | Hempnall Beck NVZ | Surface Water | 394    | Existing |
| 969m N   | Hempnall Beck NVZ | Surface Water | 394    | Existing |
| 1014m N  | Tas NVZ           | Surface Water | 395    | Existing |
| 1521m S  | River Waveney NVZ | Surface Water | 396    | Existing |

*This data is sourced from Natural England and Natural Resources Wales.*



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

Records on site

24

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 138](#) >

| ID | Location | Type of developments requiring consultation   |
|----|----------|---|
| 1  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t.</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |
| 2  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t.</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>  |
| 3  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t.</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>  |



| ID | Location | Type of developments requiring consultation   |
|----|----------|---|
| 4  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t).</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |
| 5  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t).</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p>   |
| 6  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t.</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>  |



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| 10 | On site  | <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m<sup>2</sup> or more.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |



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| 12 | On site  | <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</p> <p>Combustion - General combustion processes &gt;20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p> |



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| A  | On site  | All applications - ALL PLANNING APPLICATIONS.   |
| A  | On site  | <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause AIR POLLUTION or DUST either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.</p> |



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*This data is sourced from Natural England.*

## 10.18 SSSI Units

Records within 2000m

3

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on [page 138](#) >

|                      |   |
|----------------------|---|
| ID:                  | A   |
| Location:            | On site                                       |
| SSSI name:           | Pulham Market Big Wood                        |
| Unit name:           | Big Wood                                      |
| Broad habitat:       | Broadleaved, Mixed And Yew Woodland - Lowland |
| Condition:           | Favourable                                    |
| Reportable features: |   |



| Feature name                     | Feature condition | Date of assessment |
|----------------------------------|-------------------|--------------------|
| Lowland mixed deciduous woodland | Favourable        | 10/10/2006         |
| Wet woodland                     | Favourable        | 06/10/2006         |

ID: 27  
Location: 759m NE  
SSSI name: Fritton Common  
Unit name: Neutral Grassland  
Broad habitat: Neutral Grassland - Lowland  
Condition: Favourable  
Reportable features:

| Feature name                    | Feature condition | Date of assessment |
|---------------------------------|-------------------|--------------------|
| Lowland neutral grassland (MG5) | Favourable        | 08/03/2011         |

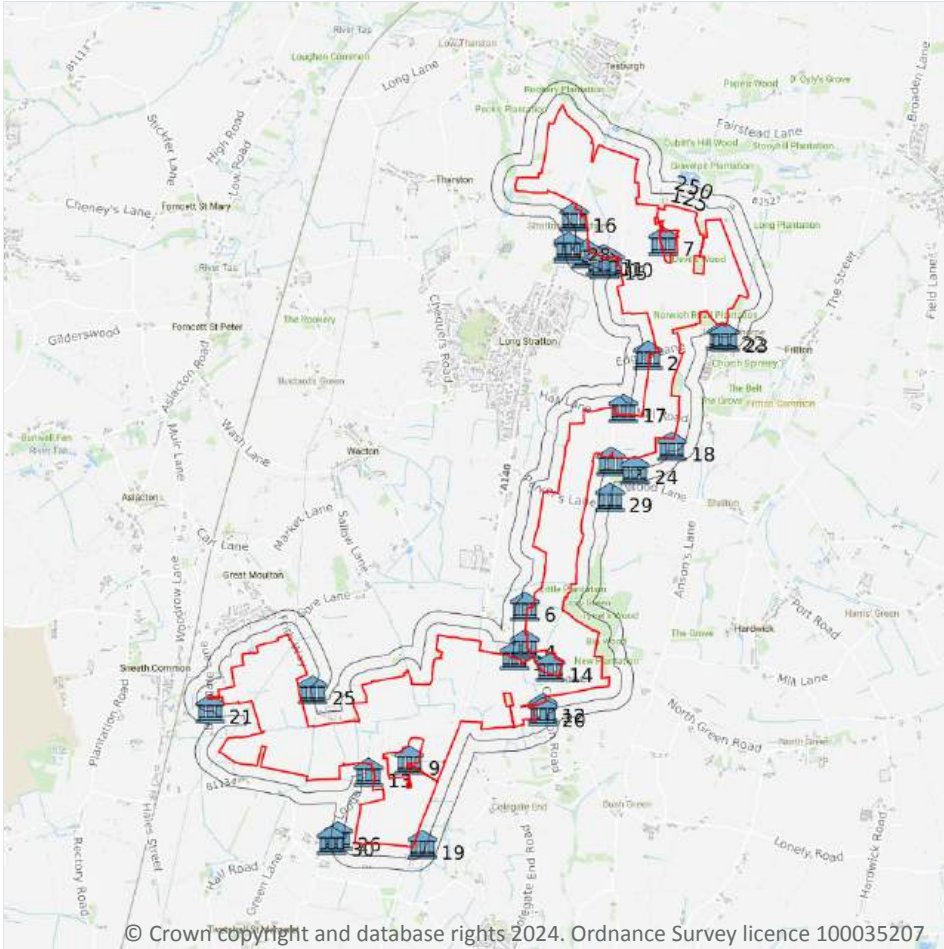
ID: D  
Location: 765m NE  
SSSI name: Fritton Common  
Unit name: Acid Grassland  
Broad habitat: Acid Grassland - Lowland  
Condition: Favourable  
Reportable features:

| Feature name                           | Feature condition | Date of assessment |
|--|-------------------|--------------------|
| Great Crested Newt, Triturus cristatus | Favourable        | 08/03/2011         |
| Lowland dry acid grassland (U4/20)     | Favourable        | 08/03/2011         |
| Lowland neutral grassland (MG5)        | Favourable        | 08/03/2011         |

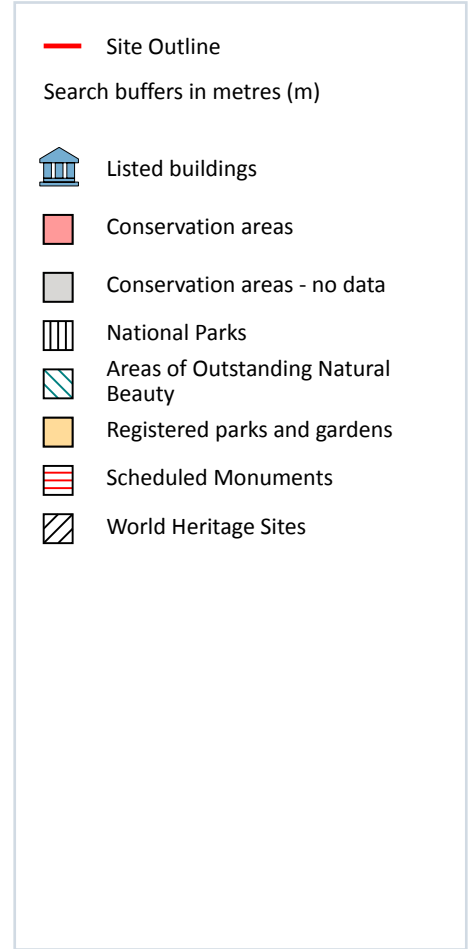
*This data is sourced from Natural England and Natural Resources Wales.*



## 11 Visual and cultural designations



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### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

## 11.4 Listed Buildings

Records within 250m

30

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on [page 151](#) >

| ID | Location | Name   | Grade | Reference Number | Listed date |
|----|----------|--|-------|------------------|-------------|
| 1  | 12m N    | Barn North Of The Old Rectory  | II    | 1050306          | 21/09/1976  |
| 2  | 14m NE   | Greenwood Cottage  | II    | 1050274          | 21/09/1976  |
| 3  | 17m S    | French's Farmhouse   | II    | 1050252          | 11/02/1977  |
| 4  | 18m S    | Ashleigh Farmhouse   | II    | 1154618          | 11/02/1977  |
| 5  | 28m N    | Cottage Occupied By Mr And Mrs Woods, North-West Of Church Of St Michael | II    | 1050305          | 29/09/1976  |





| ID | Location | Name   | Grade | Reference Number | Listed date |
|----|----------|--|-------|------------------|-------------|
| 6  | 31m S    | Crowgreen Farmhouse                                    | II    | 1050307          | 21/09/1976  |
| 7  | 32m NE   | The Hollies  | II    | 1373282          | 26/06/1981  |
| 8  | 41m NE   | Woodgreen Farmhouse                                    | II    | 1153962          | 21/09/1976  |
| 9  | 42m SW   | Walk Farmhouse (Aylmer's Hall)                         | II    | 1301881          | 26/06/1981  |
| 10 | 45m N    | Church Farmhouse                                       | II    | 1153545          | 11/09/1951  |
| 11 | 46m N    | Church Of St Michael                                   | I     | 1304267          | 26/06/1981  |
| 12 | 50m S    | Parish Farmhouse                                       | II    | 1050253          | 11/02/1977  |
| 13 | 50m SW   | The Lodge  | II    | 1301853          | 26/06/1981  |
| 14 | 66m S    | Wood Farmhouse   | II    | 1154630          | 11/02/1977  |
| 15 | 67m N    | The Old Rectory  | II*   | 1373264          | 07/12/1959  |
| 16 | 68m N    | The Cedars   | II    | 1304177          | 11/09/1951  |
| 17 | 70m NE   | Windmill   | II    | 1050312          | 21/09/1976  |
| 18 | 77m NE   | Mayfield Farmhouse                                     | II    | 1153991          | 21/09/1976  |
| 19 | 81m S    | Hill House, (South Norfolk District Council Offices)   | II    | 1050216          | 11/02/1977  |
| 20 | 84m S    | Walnut Farmhouse                                       | II    | 1050210          | 11/02/1977  |
| 21 | 104m SW  | Broadgate Way  | II    | 1050318          | 26/06/1981  |
| 22 | 112m NE  | Barn Adjoining West Of The Rectory                     | II    | 1050258          | 26/06/1981  |
| 23 | 120m NE  | The Rectory  | II    | 1373280          | 26/06/1981  |
| 24 | 121m NE  | The Thatch   | II    | 1373255          | 21/09/1976  |
| 25 | 145m SW  | Moulton Farmhouse                                      | II    | 1373270          | 26/06/1981  |
| 26 | 180m SW  | Prangle Farmhouse                                      | II    | 1050008          | 26/06/1981  |
| 27 | 205m N   | Pair Of Houses Owned By Mr B R Weeden                  | II    | 1153535          | 21/09/1976  |
| 28 | 210m N   | Cottage Occupied By Mrs Rye                            | II    | 1050315          | 21/09/1976  |
| 29 | 235m E   | Farmhouse Owned By Mr Leeder, South-West Of Wood Green | II    | 1153978          | 21/09/1976  |
| 30 | 240m SW  | Friends' Meeting House                                 | II    | 1179618          | 26/06/1981  |

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

Records within 250m

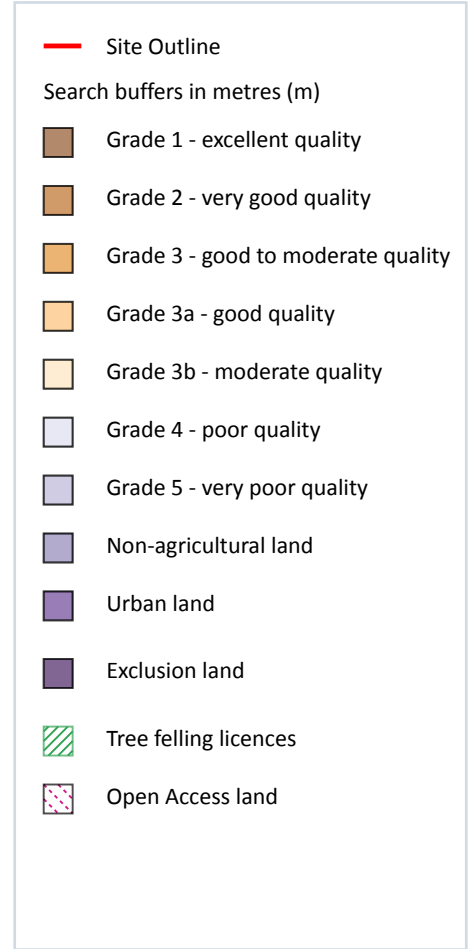
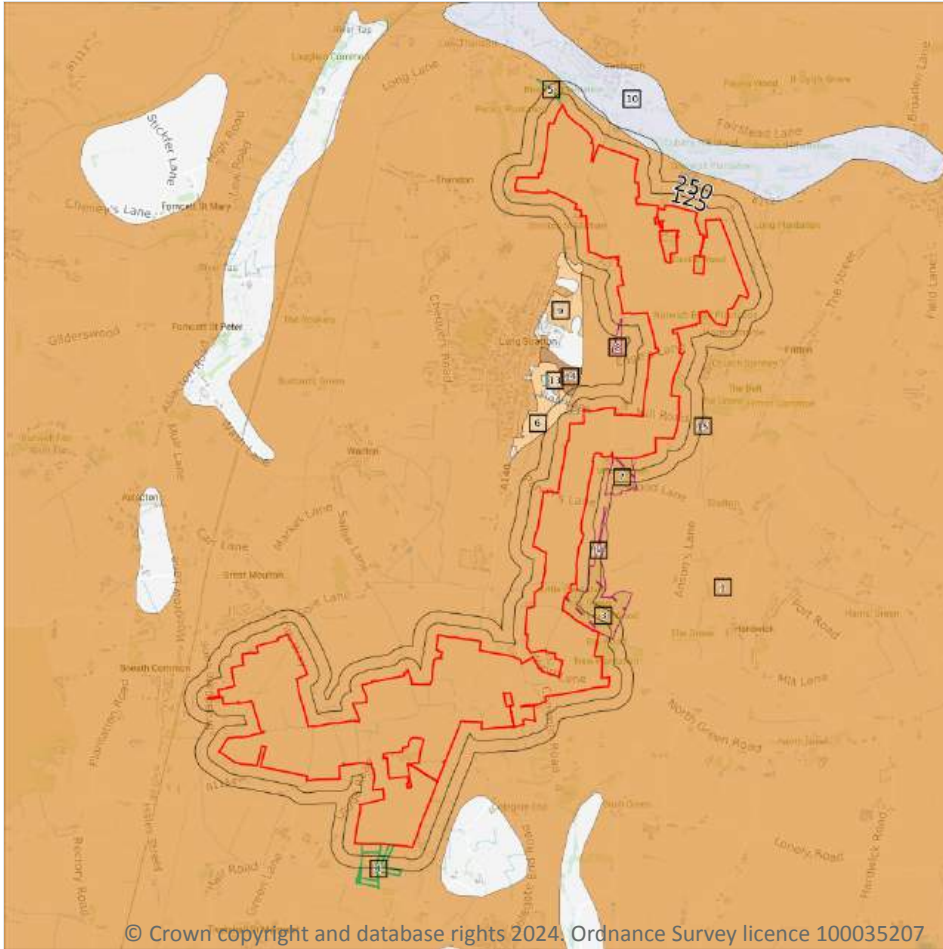
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 12 Agricultural designations



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### 12.1 Agricultural Land Classification

Records within 250m

6

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 155 >](#)

| ID | Location | Classification | Description   |
|----|----------|----------------|---|
| 1  | On site  | Grade 3        | Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2. |

| ID | Location | Classification | Description  |
|----|----------|----------------|--|
| 6  | 1m NE    | Grade 3a       | Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.   |
| 9  | 154m N   | Grade 3a       | Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.   |
| 10 | 159m N   | Grade 4        | Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.   |
| 13 | 177m NE  | Grade 3a       | Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.   |
| 14 | 195m NE  | Grade 2        | Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1. |

This data is sourced from Natural England.

## 12.2 Open Access Land

Records within 250m

5

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on [page 155 >](#)

| ID | Location | Name              | Classification                              | Other relevant legislation |
|----|----------|-------------------|---|----------------------------|
| 3  | On site  | Crow Green        | Section 4 Conclusive Registered Common Land | -                          |
| 7  | 4m NE    | Wood Green Common | Section 4 Conclusive Registered Common Land | -                          |
| 8  | 48m NE   | Rhees Green       | Section 4 Conclusive Registered Common Land | -                          |



| ID | Location | Name                 | Classification                              | Other relevant legislation |
|----|----------|----------------------|---|----------------------------|
| 11 | 170m E   | Rhees Green          | Section 4 Conclusive Registered Common Land | -                          |
| 15 | 233m NE  | Morningthorpe Common | Section 4 Conclusive Registered Common Land | -                          |

This data is sourced from Natural England and Natural Resources Wales.

## 12.3 Tree Felling Licences

|                            |          |
|----------------------------|----------|
| <b>Records within 250m</b> | <b>2</b> |
|----------------------------|----------|

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on [page 155 >](#)

| ID | Location | Description                         | Reference     | Application date |
|----|----------|-------------------------------------|---------------|------------------|
| 4  | On site  | Selective Fell/Thin (Unconditional) | 017/130/04-05 | 09/11/2004       |
| 5  | On site  | Clear Fell (Conditional)            | 017/304/11-12 | 10/04/2012       |

This data is sourced from the Forestry Commission.

## 12.4 Environmental Stewardship Schemes

|                            |           |
|----------------------------|-----------|
| <b>Records within 250m</b> | <b>12</b> |
|----------------------------|-----------|

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

| Location | Reference  | Scheme                                    | Start Date | End date   |
|----------|------------|---|------------|------------|
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| On site  | AG00389668 | Entry Level plus Higher Level Stewardship | 01/05/2010 | 30/04/2020 |



| Location | Reference  | Scheme                                    | Start Date | End date   |
|----------|------------|---|------------|------------|
| 5m N     | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| 6m N     | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| 8m N     | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| 206m NE  | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |
| 219m N   | AG00441322 | Entry Level plus Higher Level Stewardship | 01/08/2013 | 31/07/2023 |

This data is sourced from Natural England.

## 12.5 Countryside Stewardship Schemes

Records within 250m

22

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

| Location | Reference | Scheme                                | Start Date | End Date   |
|----------|-----------|---------------------------------------|------------|------------|
| On site  | 1054936   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1054936   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1648744   | Countryside Stewardship (Middle Tier) | 01/01/2024 | 31/12/2028 |
| On site  | 1081299   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1055398   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1049913   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1049913   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1049913   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1049913   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1049158   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| On site  | 1049147   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 7m SW    | 1052941   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 8m S     | 1450564   | Countryside Stewardship (Higher Tier) | 01/10/2022 | 30/09/2024 |
| 10m S    | 1049913   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 10m SE   | 1049913   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 37m NE   | 1375492   | Countryside Stewardship (Middle Tier) | 01/01/2022 | 31/12/2026 |

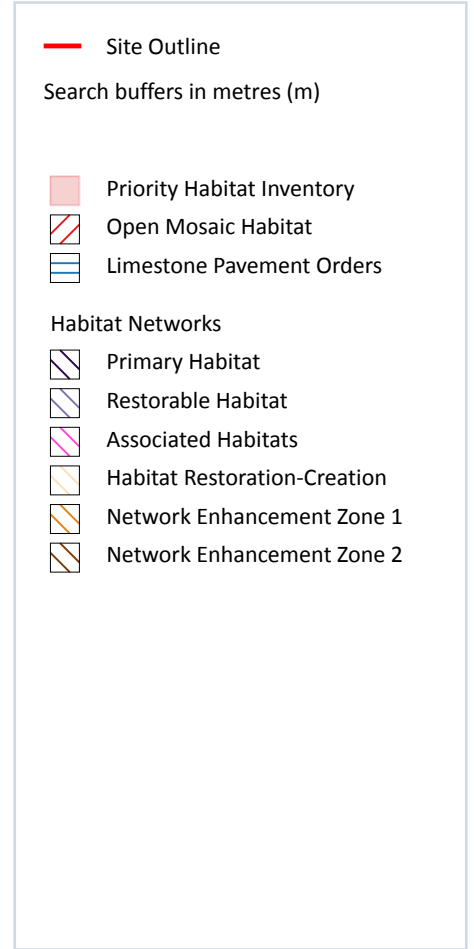
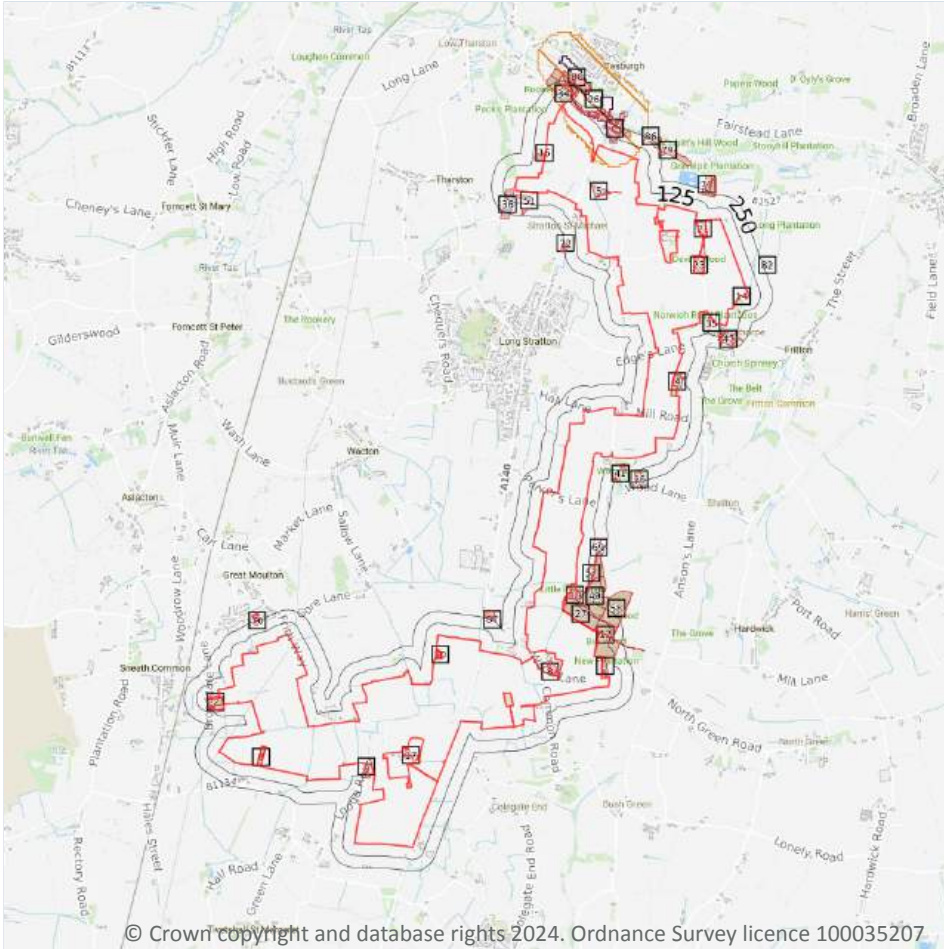


| Location | Reference | Scheme                                | Start Date | End Date   |
|----------|-----------|---------------------------------------|------------|------------|
| 208m S   | 1055398   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 212m NE  | 1570949   | Countryside Stewardship (Higher Tier) | 01/08/2023 | 31/07/2026 |
| 212m NE  | 1312610   | Countryside Stewardship (Higher Tier) | 01/08/2022 | 31/07/2024 |
| 216m S   | 1055398   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 220m W   | 1052941   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |
| 242m S   | 1049158   | Countryside Stewardship (Middle Tier) | 01/01/2021 | 31/12/2025 |

*This data is sourced from Natural England.*



## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

99

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on [page 160 >](#)

| ID | Location | Main Habitat       | Other habitats                  |
|----|----------|--------------------|---------------------------------|
| 1  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 2  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 3  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 4  | On site  | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |





| ID | Location | Main Habitat                                    | Other habitats                             |
|----|----------|---|--|
| 5  | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 6  | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 7  | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 8  | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 9  | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 10 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 11 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 12 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 13 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 14 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 15 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 16 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 17 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 18 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 19 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%, FEP + HLS) |
| 20 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%, ENSIS L1)  |
| 21 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 22 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 23 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 24 | On site  | No main habitat but additional habitats present | Main habitat: DWOOD (INV > 50%)            |
| 25 | On site  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 27 | 1m SE    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%, FEP + HLS) |
| 28 | 3m SW    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 29 | 4m SW    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 30 | 6m SW    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 31 | 8m SE    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 32 | 9m NE    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |
| 33 | 9m SE    | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%)            |



| ID | Location | Main Habitat                         | Other habitats  |
|----|----------|--------------------------------------|---|
| 34 | 11m N    | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 35 | 15m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 36 | 23m N    | Coastal and floodplain grazing marsh | Main habitat: CFPGM (INV > 50%)                         |
| A  | 33m SW   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 37 | 36m SW   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 38 | 37m N    | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 39 | 44m SW   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 40 | 49m SW   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 41 | 55m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 42 | 56m SW   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 43 | 58m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| A  | 59m SW   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 44 | 61m SE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 45 | 64m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 46 | 65m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 47 | 66m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| B  | 67m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 48 | 69m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 49 | 69m SE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%, FEP + HLS)              |
| 50 | 72m S    | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 51 | 79m N    | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 52 | 80m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| C  | 91m N    | Coastal and floodplain grazing marsh | Main habitat: CFPGM (INV > 50%)                         |
| 53 | 97m NE   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| B  | 104m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 54 | 107m N   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 55 | 114m N   | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)      |
| 56 | 123m NE  | Traditional orchard                  | Overruled by Traditional Orchards HAP Inventory dataset |



| ID | Location | Main Habitat                         | Other habitats  |
|----|----------|--------------------------------------|---|
| 57 | 127m SE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%, FEP + HLS)              |
| 58 | 130m SE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 60 | 134m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 61 | 148m N   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 62 | 149m N   | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)      |
| 63 | 156m N   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 64 | 156m N   | Lowland fens                         | Main habitat: LFENS (INV > 50%)                         |
| 65 | 158m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 66 | 168m SE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%, FEP + HLS)              |
| 67 | 171m N   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| D  | 174m N   | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)      |
| 68 | 176m N   | Lowland fens                         | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)      |
| 69 | 176m E   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%, FEP + HLS)              |
| 70 | 180m N   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 71 | 181m N   | Traditional orchard                  | Overruled by Traditional Orchards HAP Inventory dataset |
| 72 | 181m N   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| C  | 182m N   | Coastal and floodplain grazing marsh | Main habitat: CFPGM (INV > 50%)                         |
| 73 | 192m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| D  | 200m N   | Deciduous woodland                   | Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)      |
| 74 | 202m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 75 | 206m E   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%, FEP + HLS)              |
| 76 | 209m W   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 77 | 214m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 78 | 215m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 79 | 216m N   | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 81 | 224m N   | Lowland fens                         | Main habitat: LFENS (INV > 50%)                         |
| 82 | 227m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |
| 83 | 228m NE  | Deciduous woodland                   | Main habitat: DWOOD (INV > 50%)                         |



| ID | Location | Main Habitat                                    | Other habitats                  |
|----|----------|---|---------------------------------|
| 84 | 230m N   | Coastal and floodplain grazing marsh            | Main habitat: CFPGM (INV > 50%) |
| 85 | 233m N   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%) |
| 86 | 234m N   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%) |
| 87 | 234m S   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%) |
| 88 | 238m SE  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%) |
| 89 | 239m N   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%) |
| 90 | 240m N   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%) |
| 91 | 245m N   | Lowland fens                                    | Main habitat: LFENS (INV > 50%) |
| 92 | 247m S   | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%) |
| 93 | 249m NE  | Deciduous woodland                              | Main habitat: DWOOD (INV > 50%) |
| 94 | 250m W   | No main habitat but additional habitats present | Main habitat: DWOOD (INV > 50%) |

This data is sourced from Natural England.

## 13.2 Habitat Networks

### Records within 250m

5

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on [page 160 >](#)

| ID        | Location       | Type                              | Habitat              |
|-----------|----------------|-----------------------------------|----------------------|
| <b>26</b> | <b>On site</b> | <b>Network Enhancement Zone 1</b> | <b>Not specified</b> |
| C         | 69m N          | Restorable Habitat                | Not specified        |
| 59        | 132m N         | Primary Habitat                   | Lowland fens         |
| C         | 179m N         | Network Enhancement Zone 1        | Not specified        |
| 80        | 216m N         | Primary Habitat                   | Lowland fens         |

This data is sourced from Natural England.



### 13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

*This data is sourced from Natural England.*

### 13.4 Limestone Pavement Orders

Records within 250m

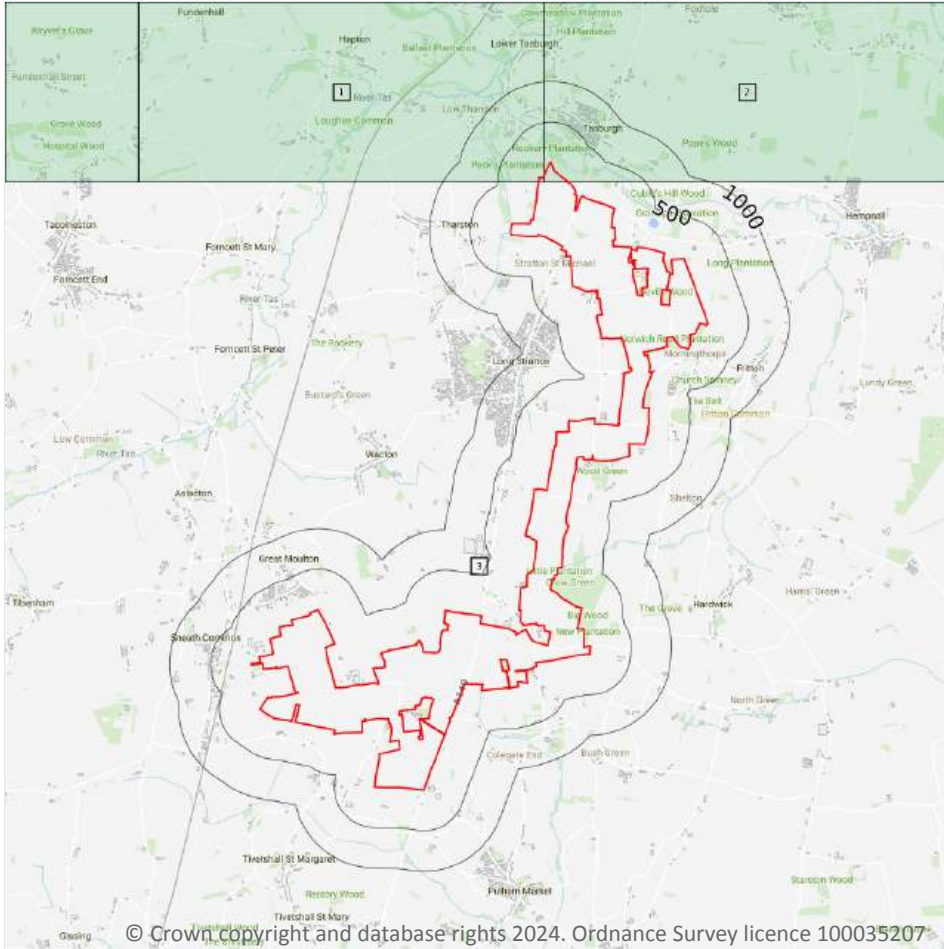
0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

*This data is sourced from Natural England.*



## 14 Geology 1:10,000 scale - Availability



**— Site Outline**

Search buffers in metres (m)

---

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

**Records within 500m**

**3**

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme. Features are displayed on the Geology 1:10,000 scale - Availability map on [page 166 >](#)

| ID | Location | Artificial  | Superficial | Bedrock     | Mass movement | Sheet No. |
|----|----------|-------------|-------------|-------------|---------------|-----------|
| 1  | On site  | No coverage | Full        | Full        | No coverage   | TM19NE    |
| 2  | On site  | No coverage | Full        | Full        | No coverage   | TM29NW    |
| 3  | On site  | No coverage | No coverage | No coverage | No coverage   | NoCov     |

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Artificial and made ground

### 14.2 Artificial and made ground (10k)

Records within 500m

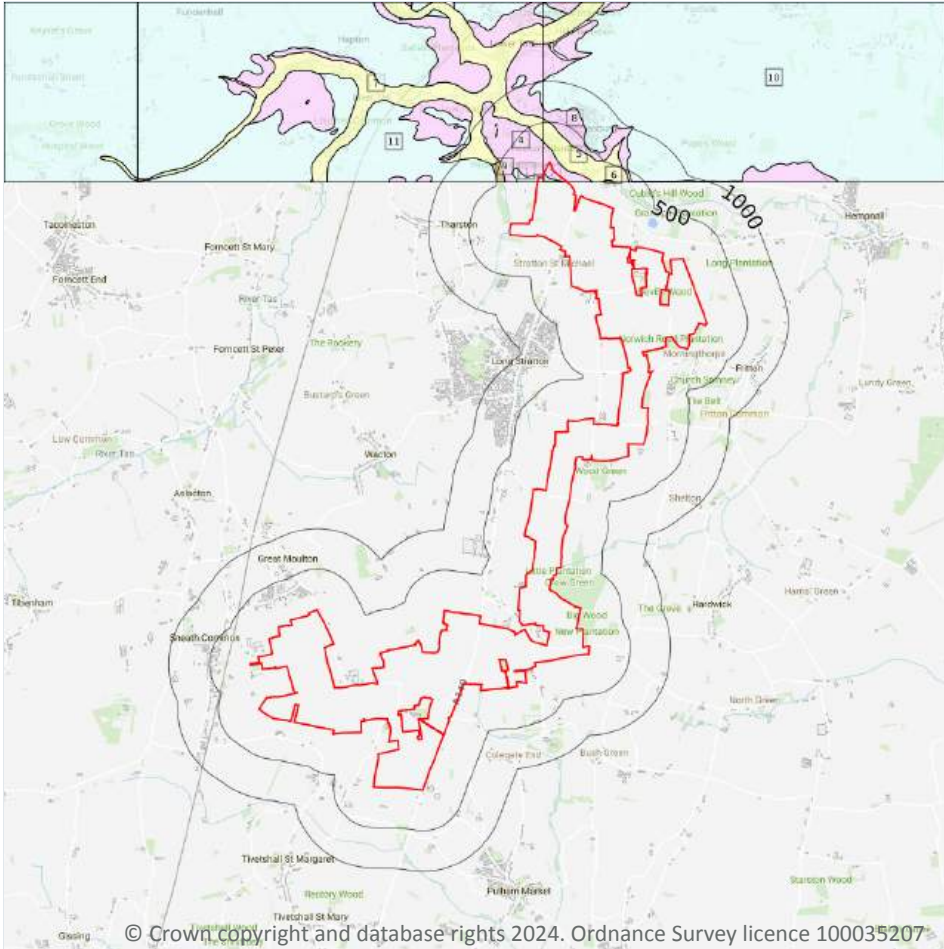
0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

Records within 500m

11

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 168](#) >

| ID | Location | LEX Code  | Description   | Rock description |
|----|----------|-----------|---|------------------|
| 1  | On site  | LOFT-DMTN | Lowestoft Formation - Diamicton   | Diamicton        |
| 2  | On site  | LOFT-DMTN | Lowestoft Formation - Diamicton   | Diamicton        |
| 3  | On site  | HPLO-XSV  | Happisburgh Glacigenic Formation And Lowestoft Formation (undifferentiated) - Sand And Gravel | Sand And Gravel  |





| ID | Location | LEX Code  | Description   | Rock description            |
|----|----------|-----------|---|-----------------------------|
| 4  | 6m N     | HPLO-XSV  | Happisburgh Glacigenic Formation And Lowestoft Formation (undifferentiated) - Sand And Gravel | Sand And Gravel             |
| 5  | 93m N    | ALV-XCZSV | Alluvium - Clay, Silt, Sand And Gravel  | Clay, Silt, Sand And Gravel |
| 6  | 259m N   | HPLO-XSV  | Happisburgh Glacigenic Formation And Lowestoft Formation (undifferentiated) - Sand And Gravel | Sand And Gravel             |
| 7  | 267m N   | ALV-XCZSV | Alluvium - Clay, Silt, Sand And Gravel  | Clay, Silt, Sand And Gravel |
| 8  | 337m N   | HPLO-XSV  | Happisburgh Glacigenic Formation And Lowestoft Formation (undifferentiated) - Sand And Gravel | Sand And Gravel             |
| 9  | 398m N   | PEAT-P    | Peat - Peat   | Peat                        |
| 10 | 405m N   | LOFT-DMTN | Lowestoft Formation - Diamicton   | Diamicton                   |
| 11 | 498m N   | LOFT-DMTN | Lowestoft Formation - Diamicton   | Diamicton                   |

*This data is sourced from the British Geological Survey.*

## 14.4 Landslip (10k)

**Records within 500m**

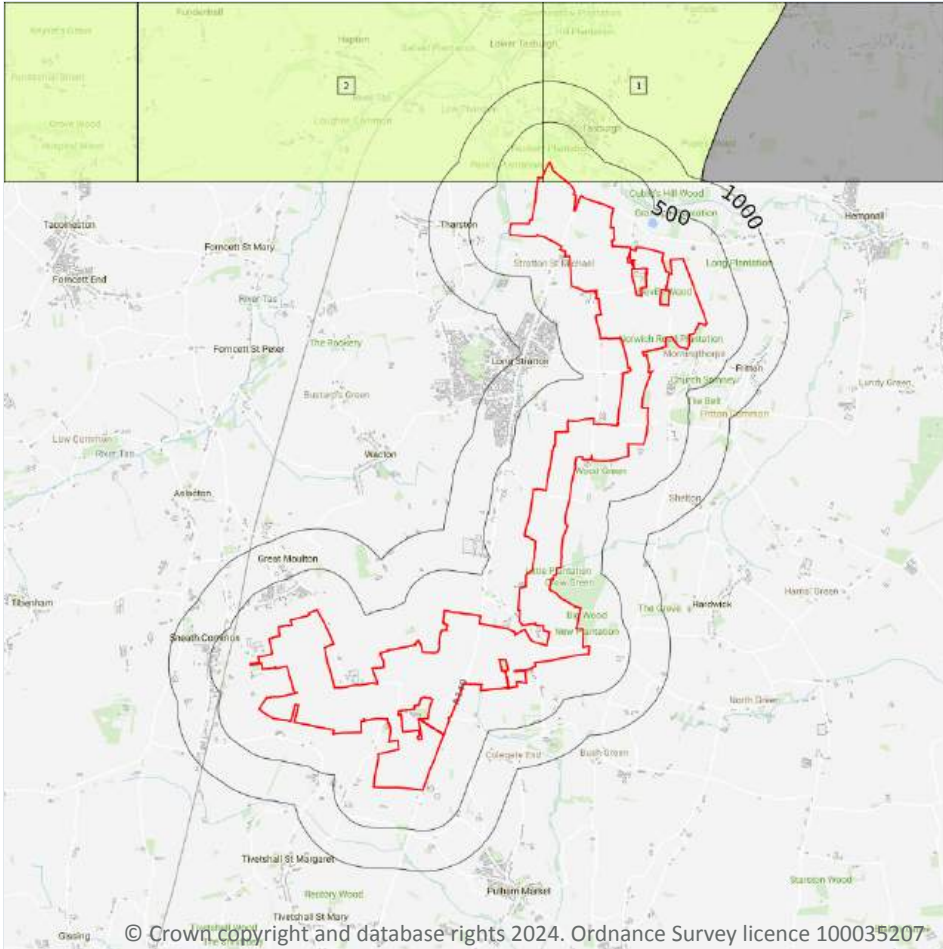
**0**

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- .... Bedrock faults and other linear features (10k)
- Bedrock geology (10k)  
Please see table for more details.

### 14.5 Bedrock geology (10k)

Records within 500m

2

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 170](#) >

| ID | Location | LEX Code  | Description   | Rock age                     |
|----|----------|-----------|---|------------------------------|
| 1  | On site  | LPCK-CHLK | Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown Chalk Formation (undifferentiated) - Chalk | Campanian Age - Turonian Age |

| ID | Location | LEX Code  | Description   | Rock age                     |
|----|----------|-----------|---|------------------------------|
| 2  | On site  | LPCK-CHLK | Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown Chalk Formation (undifferentiated) - Chalk | Campanian Age - Turonian Age |

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

Records within 500m

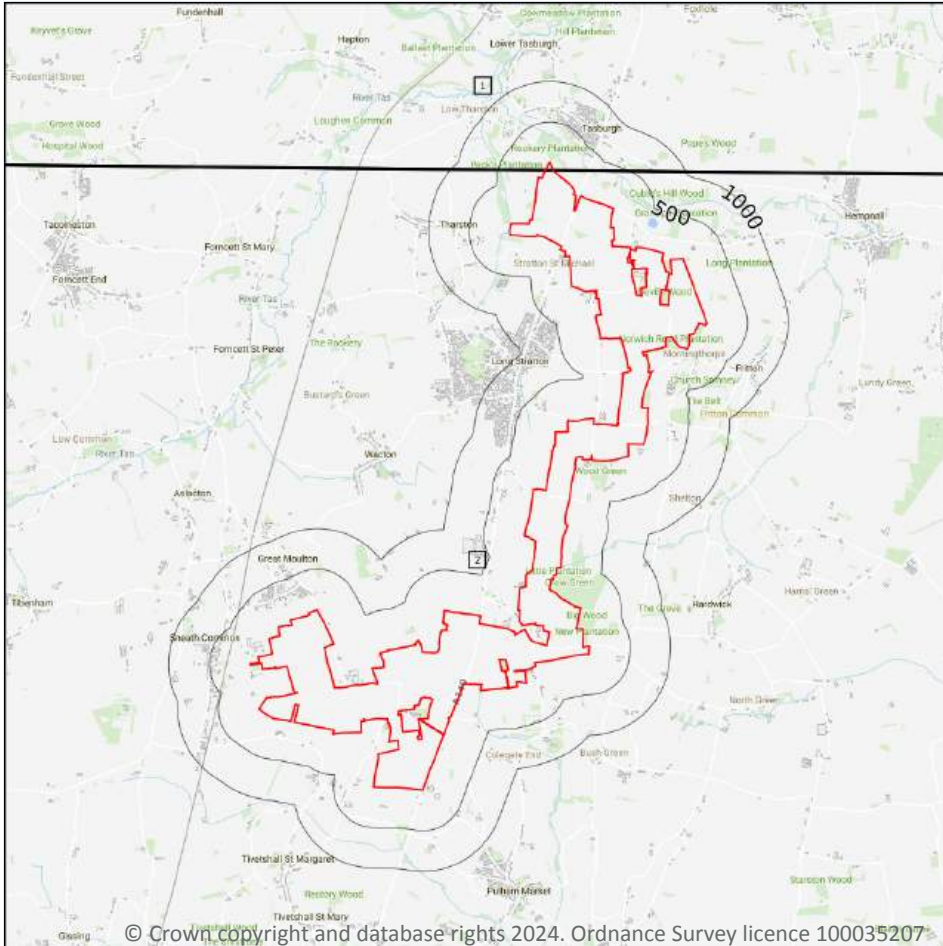
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*



## 15 Geology 1:50,000 scale - Availability



— Site Outline  
Search buffers in metres (m)

□ Geological map tile

### 15.1 50k Availability

Records within 500m

2

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

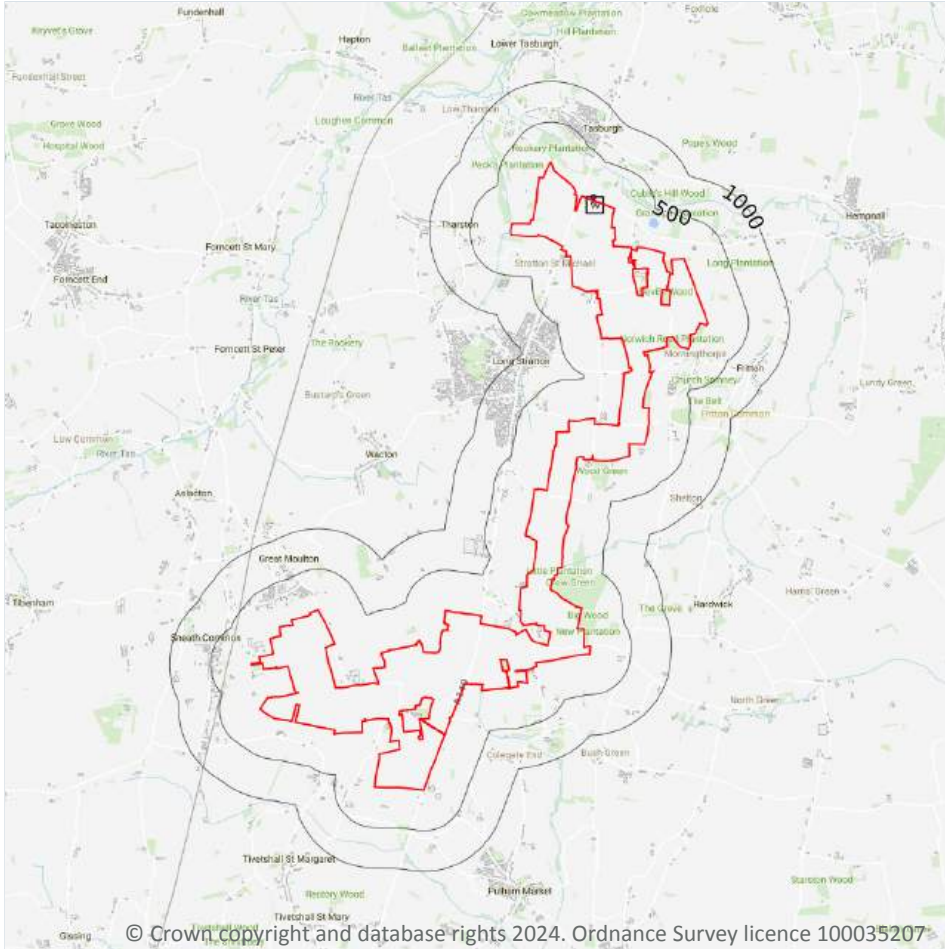
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 172](#) >

| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No.        |
|----|----------|------------|-------------|---------|---------------|------------------|
| 1  | On site  | Full       | Full        | Full    | No coverage   | EW161_norwich_v4 |
| 2  | On site  | Full       | Full        | Full    | No coverage   | EW175_diss_v4    |

This data is sourced from the British Geological Survey.



## Geology 1:50,000 scale - Artificial and made ground



### 15.2 Artificial and made ground (50k)

Records within 500m

2

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 173 >](#)

| ID | Location | LEX Code  | Description             | Rock description   |
|----|----------|-----------|-------------------------|--------------------|
| A  | On site  | MGR-ARTDP | MADE GROUND (UNDIVIDED) | ARTIFICIAL DEPOSIT |
| A  | 12m N    | MGR-ARTDP | MADE GROUND (UNDIVIDED) | ARTIFICIAL DEPOSIT |

This data is sourced from the British Geological Survey.

### 15.3 Artificial ground permeability (50k)

**Records within 50m****2**

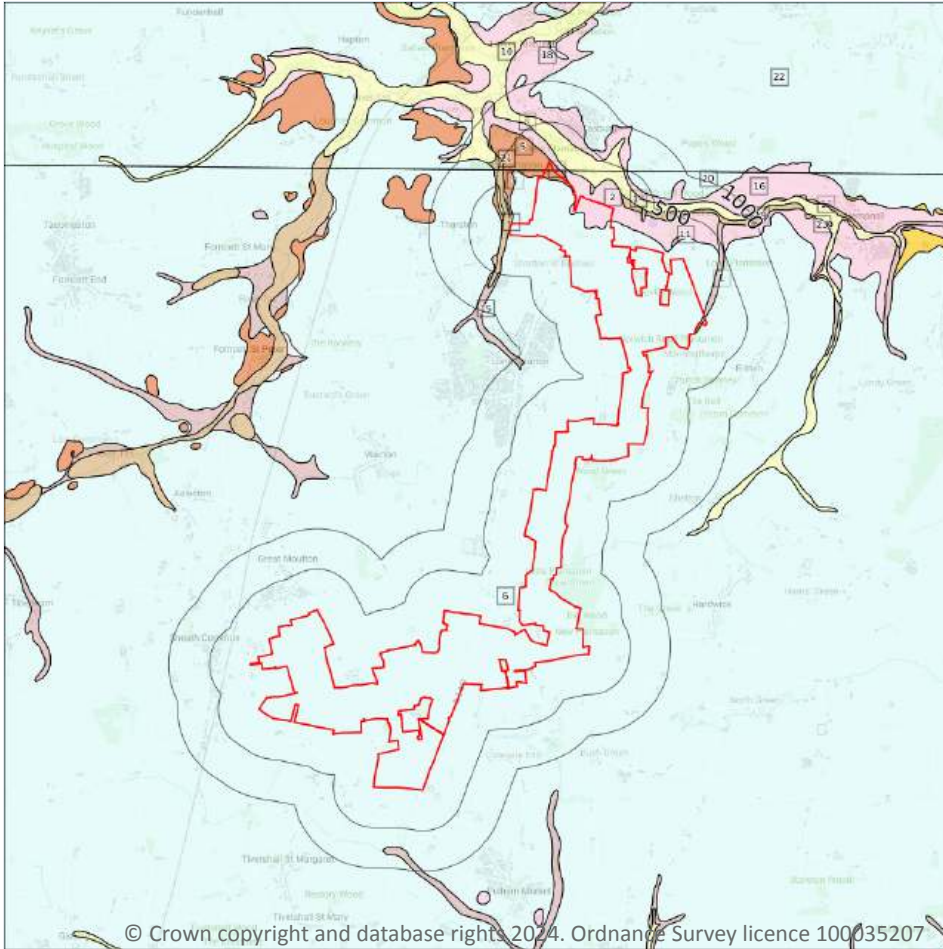
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

| Location       | Flow type    | Maximum permeability | Minimum permeability |
|----------------|--------------|----------------------|----------------------|
| <b>On site</b> | <b>Mixed</b> | <b>Very High</b>     | <b>Low</b>           |
| 12m N          | Mixed        | Very High            | Low                  |

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)  
Please see table for more details.

### 15.4 Superficial geology (50k)

Records within 500m

23

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 175 >](#)

| ID | Location | LEX Code   | Description                      | Rock description            |
|----|----------|------------|----------------------------------|-----------------------------|
| 1  | On site  | HEAD-XCZSV | HEAD                             | CLAY, SILT, SAND AND GRAVEL |
| 2  | On site  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER | SAND AND GRAVEL             |
| 3  | On site  | LOFT-XSV   | LOWESTOFT FORMATION              | SAND AND GRAVEL             |



| ID | Location | LEX Code   | Description                      | Rock description            |
|----|----------|------------|----------------------------------|-----------------------------|
| 4  | On site  | LOFT-XSV   | LOWESTOFT FORMATION              | SAND AND GRAVEL             |
| 5  | On site  | LOFT-XSV   | LOWESTOFT FORMATION              | SAND AND GRAVEL             |
| 6  | On site  | LOFT-DMTN  | LOWESTOFT FORMATION              | DIAMICTON                   |
| 7  | 6m N     | PEAT-P     | PEAT                             | PEAT                        |
| 8  | 25m N    | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER | SAND AND GRAVEL             |
| 9  | 75m N    | HEAD-XCZSV | HEAD                             | CLAY, SILT, SAND AND GRAVEL |
| 10 | 106m N   | ALV-XCZSV  | ALLUVIUM                         | CLAY, SILT, SAND AND GRAVEL |
| 11 | 112m NE  | HEAD-XCZSV | HEAD                             | CLAY, SILT, SAND AND GRAVEL |
| 12 | 113m N   | LOFT-XSV   | LOWESTOFT FORMATION              | SAND AND GRAVEL             |
| 13 | 116m N   | ALV-XCZSV  | ALLUVIUM                         | CLAY, SILT, SAND AND GRAVEL |
| 14 | 132m N   | PEAT-P     | PEAT                             | PEAT                        |
| 15 | 276m N   | HEAD-XCZSV | HEAD                             | CLAY, SILT, SAND AND GRAVEL |
| 16 | 322m N   | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER | SAND AND GRAVEL             |
| 17 | 324m NE  | HEAD-XCZSV | HEAD                             | CLAY, SILT, SAND AND GRAVEL |
| 18 | 355m N   | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER | SAND AND GRAVEL             |
| 19 | 385m NE  | PEAT-P     | PEAT                             | PEAT                        |
| 20 | 389m N   | LOFT-DMTN  | LOWESTOFT FORMATION              | DIAMICTON                   |
| 21 | 445m N   | PEAT-P     | PEAT                             | PEAT                        |
| 22 | 492m N   | LOFT-DMTN  | LOWESTOFT FORMATION              | DIAMICTON                   |
| 23 | 493m NE  | LEHI-XSV   | LEET HILL SAND AND GRAVEL MEMBER | SAND AND GRAVEL             |

*This data is sourced from the British Geological Survey.*

## 15.5 Superficial permeability (50k)

**Records within 50m**

**14**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).





| Location | Flow type     | Maximum permeability | Minimum permeability |
|----------|---------------|----------------------|----------------------|
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Intergranular | Very High            | High                 |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | High                 | Very Low             |
| On site  | Mixed         | Moderate             | Low                  |
| On site  | Mixed         | Moderate             | Low                  |
| 6m N     | Mixed         | Low                  | Very Low             |
| 10m N    | Intergranular | Very High            | High                 |

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

**Records within 500m**

**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

**Records within 50m**

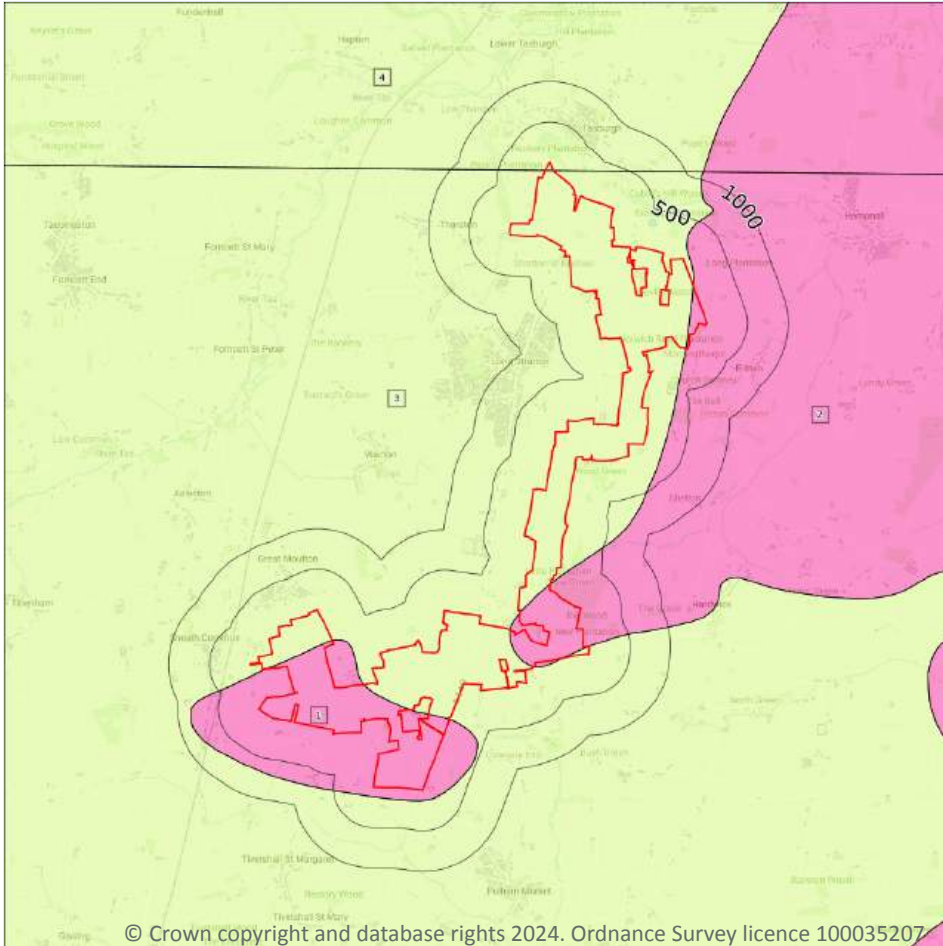
**0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)  
Please see table for more details.

### 15.8 Bedrock geology (50k)

Records within 500m

4

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 178 >](#)

| ID | Location | LEX Code | Description                   | Rock age |
|----|----------|----------|-------------------------------|----------|
| 1  | On site  | NCG-S    | NORWICH CRAG FORMATION - SAND | -        |
| 2  | On site  | NCG-S    | NORWICH CRAG FORMATION - SAND | -        |

| ID | Location | LEX Code  | Description   | Rock age |
|----|----------|-----------|---|----------|
| 3  | On site  | LPCK-CHLK | LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION, NEWHAVEN CHALK FORMATION, CULVER CHALK FORMATION AND PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) - CHALK | TURONIAN |
| 4  | On site  | LPCK-CHLK | LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION, NEWHAVEN CHALK FORMATION, CULVER CHALK FORMATION AND PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED) - CHALK | TURONIAN |

This data is sourced from the British Geological Survey.

## 15.9 Bedrock permeability (50k)

Records within 50m

10

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

| Location | Flow type     | Maximum permeability | Minimum permeability |
|----------|---------------|----------------------|----------------------|
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Intergranular | High                 | High                 |
| On site  | Fracture      | Very High            | Very High            |
| On site  | Fracture      | Very High            | Very High            |
| On site  | Fracture      | Very High            | Very High            |
| On site  | Fracture      | Very High            | Very High            |
| On site  | Fracture      | Very High            | Very High            |
| On site  | Fracture      | Very High            | Very High            |

This data is sourced from the British Geological Survey.



## 15.10 Bedrock faults and other linear features (50k)

Records within 500m

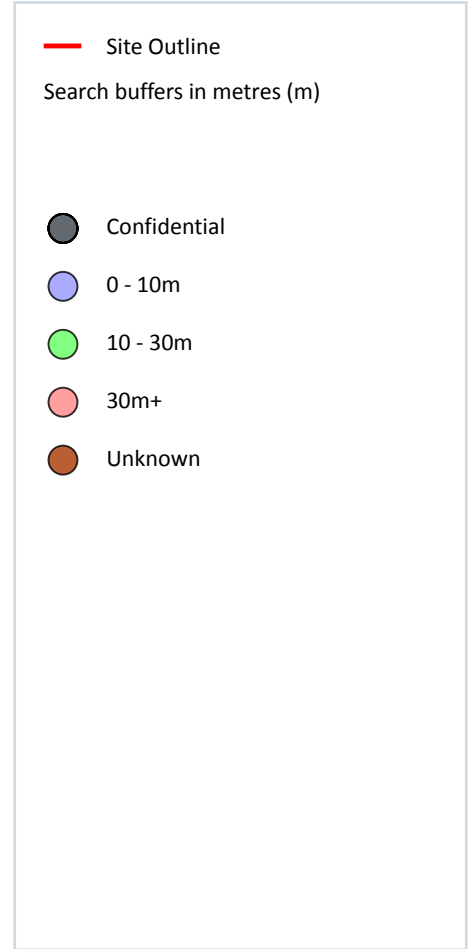
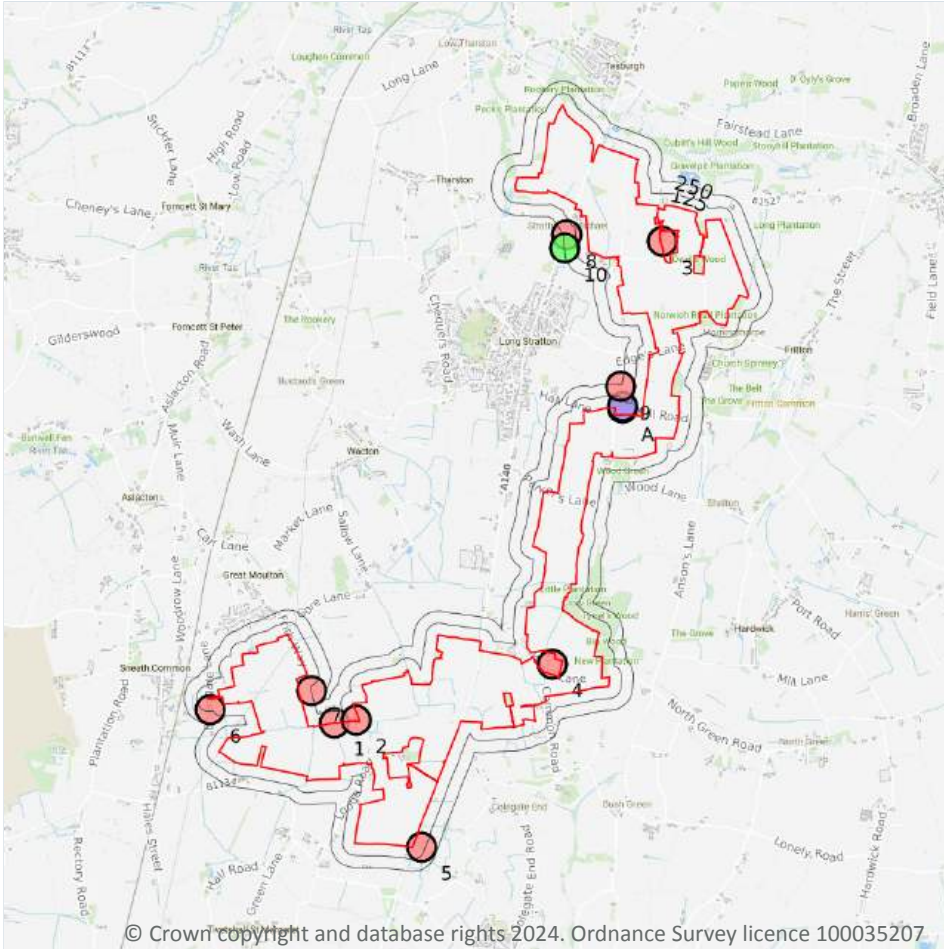
0

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*



## 16 Boreholes



### 16.1 BGS Boreholes

Records within 250m

12

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 181](#) >

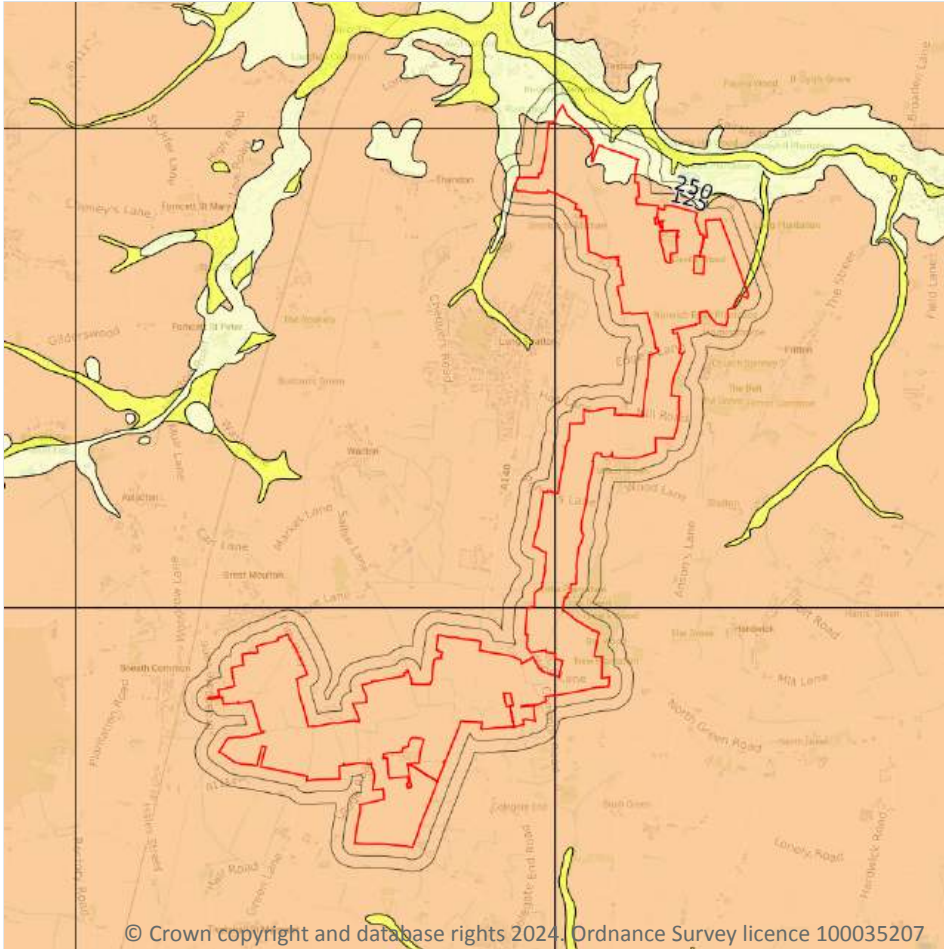
| ID | Location | Grid reference | Name                           | Length | Confidential | Web link                 |
|----|----------|----------------|--------------------------------|--------|--------------|--------------------------|
| 1  | 1m SW    | 617700 288800  | ELM TREE FM TIVITSHALL ST MA'T | 54.8   | N            | <a href="#">563420</a> ↗ |
| 2  | 11m SW   | 617930 288830  | WILLOW FARM                    | 31.69  | N            | <a href="#">563387</a> ↗ |

| ID | Location | Grid reference | Name                         | Length | Confidential | Web link                 |
|----|----------|----------------|------------------------------|--------|--------------|--------------------------|
| 3  | 21m NE   | 621120 293820  | 'THE HOLLIES' MORNINGTHORPE  | 35.05  | N            | <a href="#">565622</a> ↗ |
| A  | 64m NE   | 620700 292080  | LONG STRATTON                | 60.96  | N            | <a href="#">565639</a> ↗ |
| 4  | 68m S    | 619970 289410  | WOOD FARMINGS                | 55.16  | N            | <a href="#">563399</a> ↗ |
| A  | 74m NE   | 620700 292100  | LEADERS MILL LONG STRATTON 1 | 9.5    | N            | <a href="#">565638</a> ↗ |
| 5  | 86m S    | 618610 287510  | UNION HOUSE                  | 103.63 | N            | <a href="#">563397</a> ↗ |
| 6  | 110m SW  | 616410 288940  | BROADGATE WAY                | 42.7   | N            | <a href="#">563396</a> ↗ |
| 7  | 129m SW  | 617460 289140  | THE WOODLANDS FARM           | 51.81  | N            | <a href="#">563400</a> ↗ |
| 8  | 220m N   | 620120 293890  | 'THE CEDARS' LONG STRATTON   | 36.58  | N            | <a href="#">565621</a> ↗ |
| 9  | 232m NE  | 620680 292310  | MILL FARM, LONG STRATTON     | 79.6   | N            | <a href="#">565663</a> ↗ |
| 10 | 249m N   | 620100 293750  | STRATTON ST MICHEAL          | 10.06  | N            | <a href="#">565620</a> ↗ |

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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### 17.1 Shrink swell clays

Records within 50m

3

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 183](#) >

| Location | Hazard rating | Details  |
|----------|---------------|--|
| On site  | Negligible    | Ground conditions predominantly non-plastic.       |
| On site  | Very low      | Ground conditions predominantly low plasticity.    |
| On site  | Low           | Ground conditions predominantly medium plasticity. |



*This data is sourced from the British Geological Survey.*



Contact us with any questions at:

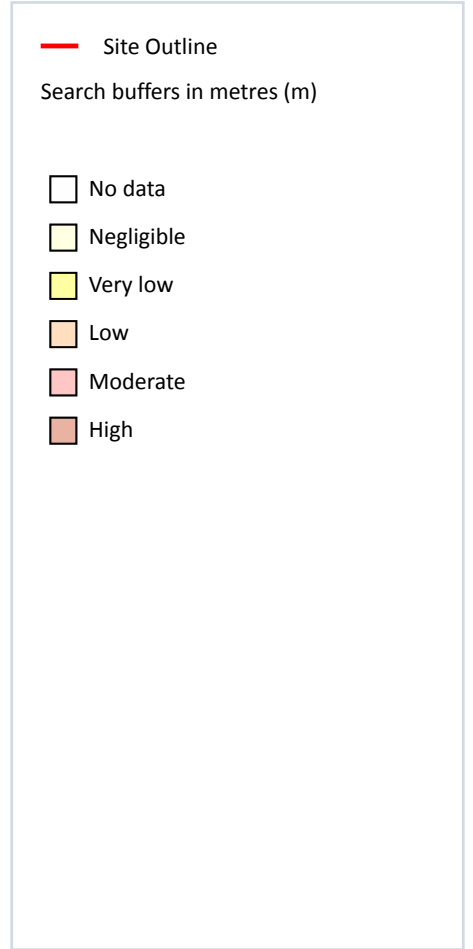
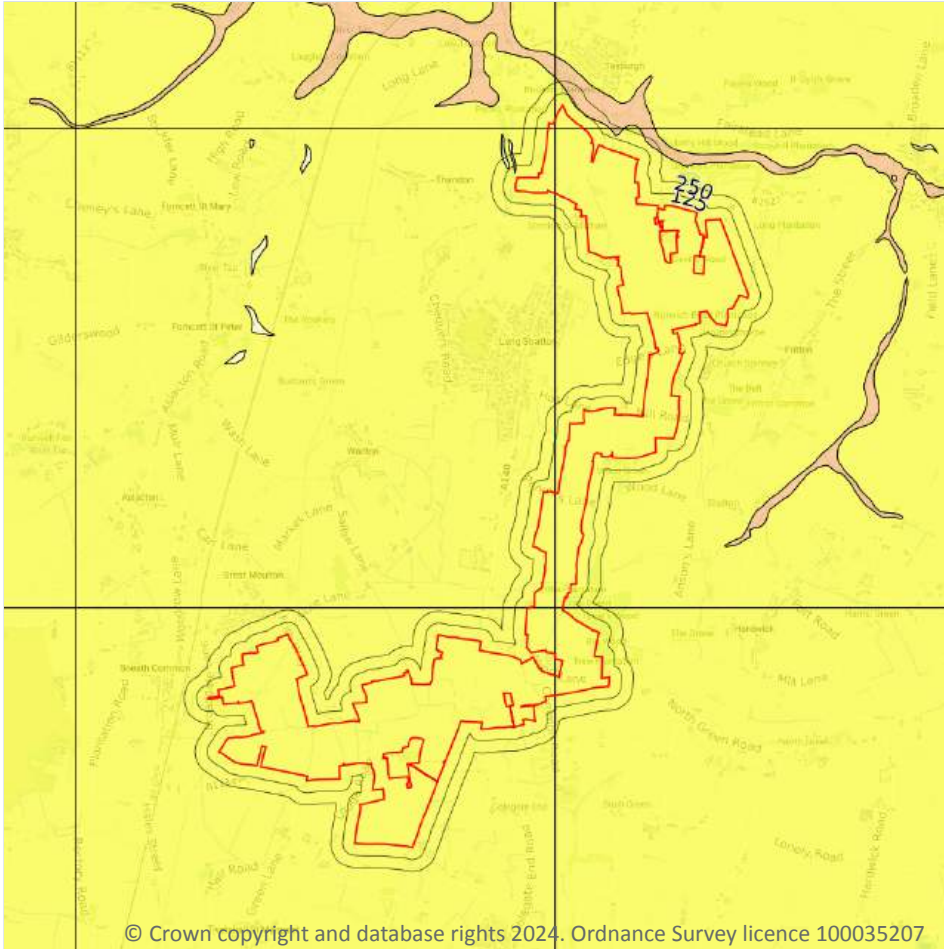
[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 23 August 2024



## Natural ground subsidence - Running sands



### 17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on [page 185](#) >

| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Very low      | Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly. |

*This data is sourced from the British Geological Survey.*



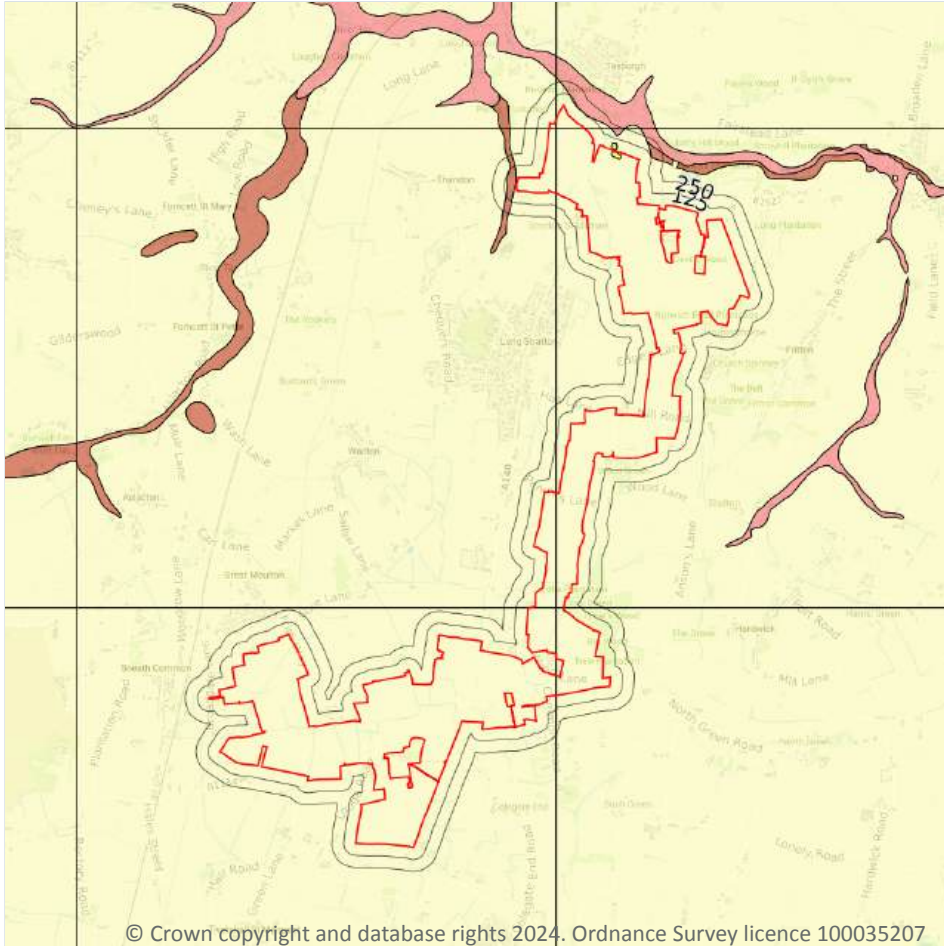
Contact us with any questions at:

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Date: 23 August 2024

## Natural ground subsidence - Compressible deposits



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### 17.3 Compressible deposits

Records within 50m

4

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 186](#) >

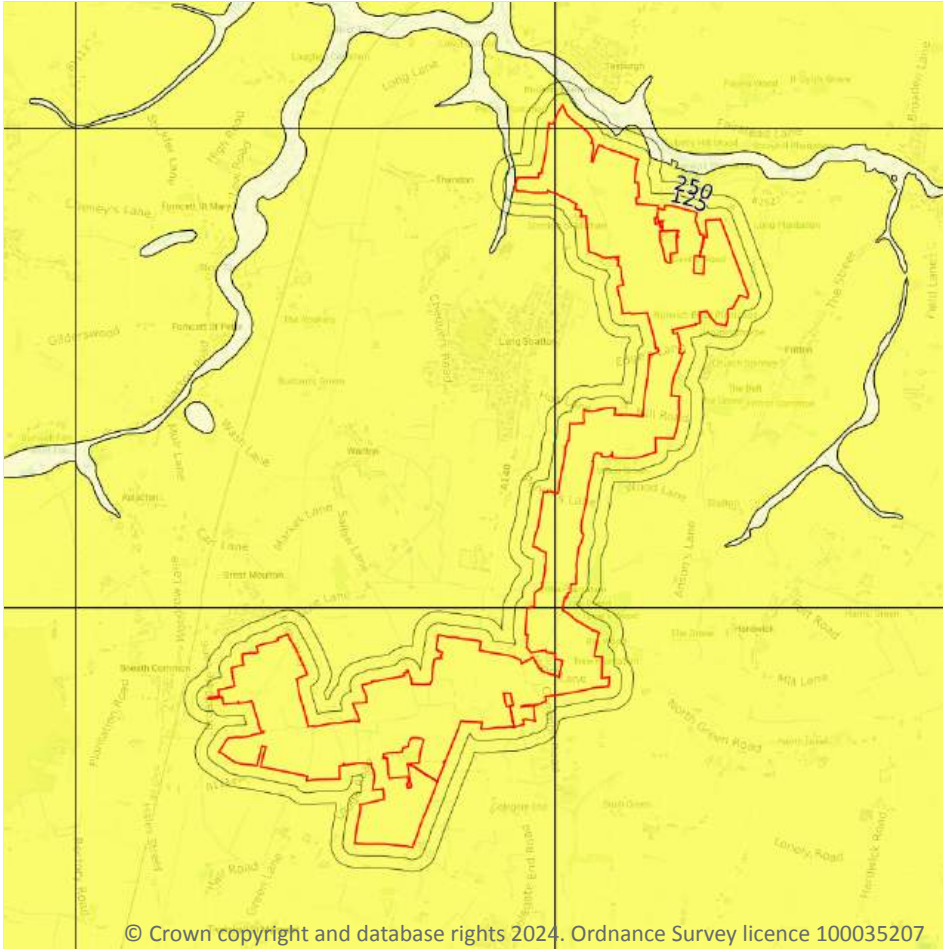
| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Negligible    | Compressible strata are not thought to occur.   |
| On site  | Very low      | Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses. |

| Location | Hazard rating | Details   |
|----------|---------------|---|
| 6m N     | High          | Highly compressible strata present. Significant constraint on land use depending on thickness.                  |
| 12m N    | Very low      | Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses. |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



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### 17.4 Collapsible deposits

Records within 50m

2

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 188](#) >

| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Very low      | Deposits with potential to collapse when loaded and saturated are unlikely to be present.     |
| 6m N     | Negligible    | Deposits with potential to collapse when loaded and saturated are believed not to be present. |

*This data is sourced from the British Geological Survey.*



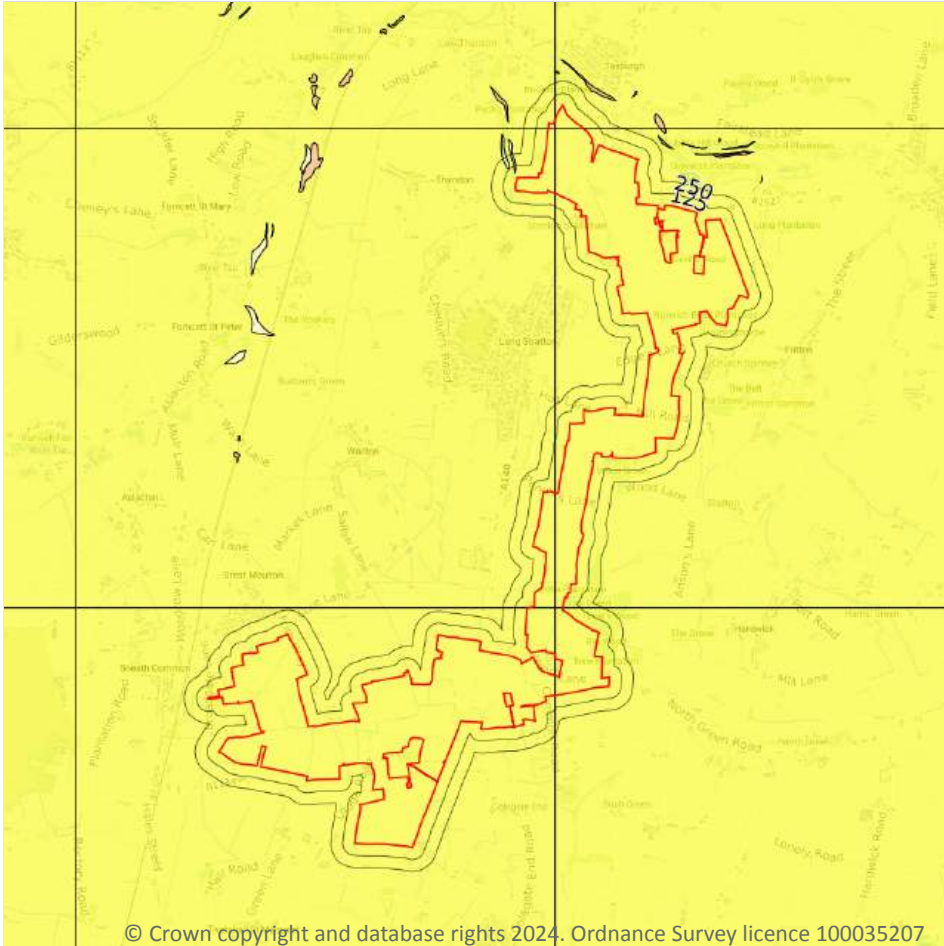
Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

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Date: 23 August 2024

## Natural ground subsidence - Landslides



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on [page 189](#) >

| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Very low      | Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered. |

*This data is sourced from the British Geological Survey.*



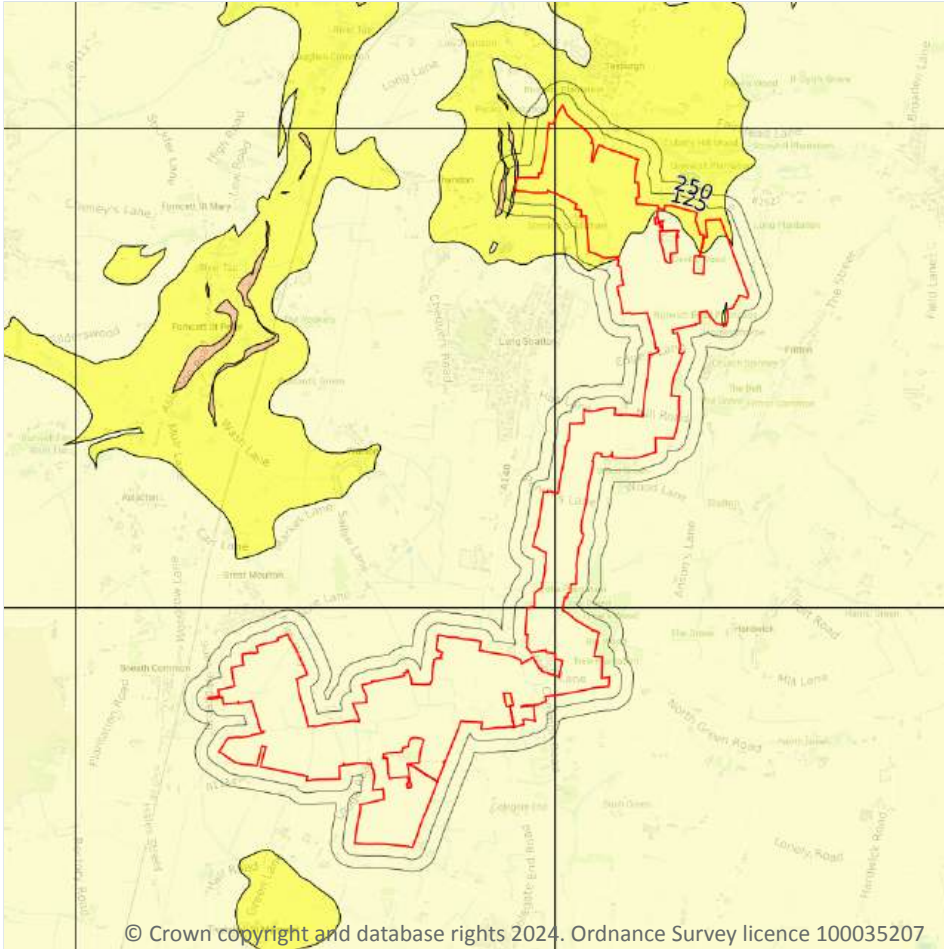
Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

01273 257 755

Date: 23 August 2024

## Natural ground subsidence - Ground dissolution of soluble rocks



### 17.6 Ground dissolution of soluble rocks

Records within 50m

3

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 190](#) >

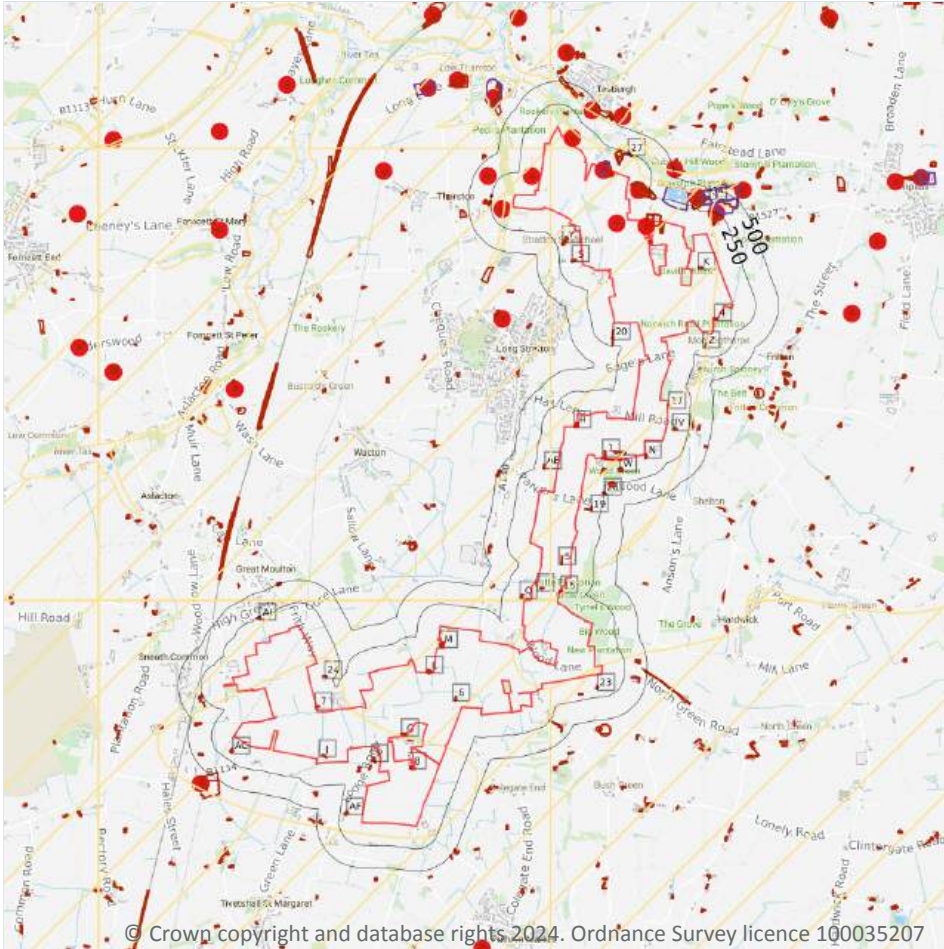
| Location | Hazard rating | Details   |
|----------|---------------|---|
| On site  | Negligible    | Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present. |

| Location | Hazard rating | Details  |
|----------|---------------|--|
| On site  | Very low      | Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.  |
| On site  | Low           | Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances. |

*This data is sourced from the British Geological Survey.*



## 18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
  - Sporadic underground mining of restricted extent possible
  - Localised small scale underground mining possible
  - Small scale mining possible
  - Underground mining known or likely within or in close proximity
  - Underground mining known within or in very close proximity

### 18.1 BritPits

Records within 500m

18

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on [page 192](#) >



| ID | Location | Details   | Description  |
|----|----------|---|--|
| A  | On site  | <b>Name:</b> Stratton St Michael Pit<br><b>Address:</b> Stratton St Michael, Long Stratton, NORWICH, Norfolk<br><b>Commodity:</b> Clay & Shale<br><b>Status:</b> Ceased         | <b>Type:</b> A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br><b>Status description:</b> Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| B  | On site  | <b>Name:</b> Stratton St Michael Brick Works<br><b>Address:</b> Stratton St Michael, Long Stratton, NORWICH, Norfolk<br><b>Commodity:</b> Clay & Shale<br><b>Status:</b> Ceased | <b>Type:</b> A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br><b>Status description:</b> Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| C  | On site  | <b>Name:</b> Stratton St Michael Brick Works<br><b>Address:</b> Stratton St Michael, Long Stratton, NORWICH, Norfolk<br><b>Commodity:</b> Clay & Shale<br><b>Status:</b> Ceased | <b>Type:</b> A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br><b>Status description:</b> Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| D  | On site  | <b>Name:</b> Mill Farm Gravel Pit<br><b>Address:</b> Stratton St Michael, Long Stratton, NORWICH, Norfolk<br><b>Commodity:</b> Sand & Gravel<br><b>Status:</b> Ceased           | <b>Type:</b> A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br><b>Status description:</b> Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| E  | 29m NE   | <b>Name:</b> Stratton St Michael Brick Field<br><b>Address:</b> Stratton St Michael, Long Stratton, NORWICH, Norfolk<br><b>Commodity:</b> Clay & Shale<br><b>Status:</b> Ceased | <b>Type:</b> A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br><b>Status description:</b> Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| D  | 54m N    | <b>Name:</b> Mill Farm Pit<br><b>Address:</b> Stratton St Michael, Long Stratton, NORWICH, Norfolk<br><b>Commodity:</b> Sand & Gravel<br><b>Status:</b> Ceased                  | <b>Type:</b> A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br><b>Status description:</b> Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |



| ID | Location | Details  | Description  |
|----|----------|--|--|
| O  | 58m N    | Name: Tasburgh Pit<br>Address: Tasburgh, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased  | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| T  | 98m N    | Name: Tasburgh Lodge Pit<br>Address: Tasburgh, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased                                     | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| AD | 134m N   | Name: Hall Farm Pit<br>Address: Tharston, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased  | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| X  | 139m N   | Name: Mill Farm Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased               | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| U  | 139m N   | Name: Stratton St Michael Clay Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| X  | 208m N   | Name: Mill Farm Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased               | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |



| ID | Location | Details  | Description  |
|----|----------|--|--|
| AA | 253m NE  | Name: Hall Farm Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased                    | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| AH | 264m NE  | Name: Stratton St Michael Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased          | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| 37 | 346m NE  | Name: Morningthorpe<br>Address: Morningthorpe, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased  | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| AJ | 367m NE  | Name: Gravelpit Plantation Gravel Pit<br>Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| AT | 370m N   | Name: Hall Farm Pit<br>Address: Tharston, NORWICH, Norfolk<br>Commodity: Clay & Shale<br>Status: Ceased  | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| AZ | 414m N   | Name: Tasburgh Hill Gravel Pit<br>Address: Tasburgh, NORWICH, Norfolk<br>Commodity: Sand & Gravel<br>Status: Ceased                                  | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |

*This data is sourced from the British Geological Survey.*



## 18.2 Surface ground workings

Records within 250m

176

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 192](#) >

| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| 1  | On site  | Pond                        | 1883            | 1:10560       |
| 2  | On site  | Ponds                       | 1883            | 1:10560       |
| 3  | On site  | Ponds                       | 1883            | 1:10560       |
| 4  | On site  | Ponds                       | 1883            | 1:10560       |
| 5  | On site  | Pond                        | 1951            | 1:10560       |
| 6  | On site  | Pond                        | 1983            | 1:10000       |
| 7  | On site  | Pond                        | 1951            | 1:10560       |
| 8  | On site  | Pond                        | 1951            | 1:10560       |
| A  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| A  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| A  | On site  | Unspecified Pit             | 1951            | 1:10560       |
| A  | On site  | Unspecified Pit             | 1946            | 1:10560       |
| B  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| B  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| B  | On site  | Unspecified Pit             | 1951            | 1:10560       |
| B  | On site  | Unspecified Pit             | 1946            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1907            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1951            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1946            | 1:10560       |
| C  | On site  | Unspecified Pit             | 1883            | 1:10560       |
| D  | On site  | Unspecified Ground Workings | 1907            | 1:10560       |
| D  | On site  | Unspecified Ground Workings | 1907            | 1:10560       |



| ID | Location | Land Use         | Year of mapping | Mapping scale |
|----|----------|------------------|-----------------|---------------|
| D  | On site  | Unspecified Pit  | 1951            | 1:10560       |
| D  | On site  | Gravel Pit       | 1883            | 1:10560       |
| D  | On site  | Unspecified Pit  | 1946            | 1:10560       |
| D  | On site  | Refuse Heap      | 1979            | 1:10000       |
| E  | On site  | Brick Works      | 1907            | 1:10560       |
| E  | On site  | Brick Works      | 1907            | 1:10560       |
| E  | On site  | Brick Works      | 1946            | 1:10560       |
| E  | On site  | Brick Field      | 1883            | 1:10560       |
| E  | On site  | Unspecified Heap | 1883            | 1:10560       |
| F  | On site  | Unspecified Pit  | 1907            | 1:10560       |
| F  | On site  | Unspecified Pit  | 1907            | 1:10560       |
| F  | On site  | Unspecified Pit  | 1946            | 1:10560       |
| F  | On site  | Unspecified Pit  | 1883            | 1:10560       |
| G  | On site  | Unspecified Pit  | 1946            | 1:10560       |
| G  | On site  | Unspecified Pit  | 1951            | 1:10560       |
| G  | On site  | Unspecified Pit  | 1906            | 1:10560       |
| H  | On site  | Ponds            | 1906            | 1:10560       |
| H  | On site  | Ponds            | 1946            | 1:10560       |
| H  | On site  | Pond             | 1883            | 1:10560       |
| H  | On site  | Ponds            | 1951            | 1:10560       |
| H  | On site  | Ponds            | 1979            | 1:10000       |
| I  | On site  | Pond             | 1979            | 1:10000       |
| I  | On site  | Pond             | 1946            | 1:10560       |
| J  | On site  | Pond             | 1928            | 1:10560       |
| J  | On site  | Pond             | 1904            | 1:10560       |
| J  | On site  | Pond             | 1883            | 1:10560       |
| J  | On site  | Pond             | 1983            | 1:10000       |
| J  | On site  | Pond             | 1951            | 1:10560       |



| ID       | Location       | Land Use        | Year of mapping | Mapping scale  |
|----------|----------------|-----------------|-----------------|----------------|
| <b>K</b> | <b>On site</b> | <b>Pond</b>     | <b>1883</b>     | <b>1:10560</b> |
| <b>K</b> | <b>On site</b> | <b>Ponds</b>    | <b>1979</b>     | <b>1:10000</b> |
| <b>L</b> | <b>On site</b> | <b>Pond</b>     | <b>1946</b>     | <b>1:10560</b> |
| <b>L</b> | <b>On site</b> | <b>Pond</b>     | <b>1883</b>     | <b>1:10560</b> |
| <b>L</b> | <b>On site</b> | <b>Pond</b>     | <b>1983</b>     | <b>1:10000</b> |
| <b>L</b> | <b>On site</b> | <b>Pond</b>     | <b>1951</b>     | <b>1:10560</b> |
| <b>M</b> | <b>On site</b> | <b>Pond</b>     | <b>1983</b>     | <b>1:10000</b> |
| 16       | 1m SE          | Pond            | 1951            | 1:10560        |
| 17       | 1m NE          | Pond            | 1883            | 1:10560        |
| M        | 2m SW          | Pond            | 1946            | 1:10560        |
| M        | 2m SW          | Pond            | 1883            | 1:10560        |
| M        | 2m SW          | Pond            | 1906            | 1:10560        |
| N        | 6m NE          | Pond            | 1906            | 1:10560        |
| N        | 8m NE          | Pond            | 1946            | 1:10560        |
| N        | 8m NE          | Pond            | 1883            | 1:10560        |
| N        | 8m NE          | Pond            | 1951            | 1:10560        |
| N        | 8m NE          | Pond            | 1979            | 1:10000        |
| D        | 11m N          | Unspecified Pit | 1951            | 1:10560        |
| D        | 12m N          | Unspecified Pit | 1907            | 1:10560        |
| D        | 12m N          | Unspecified Pit | 1907            | 1:10560        |
| D        | 13m N          | Unspecified Pit | 1883            | 1:10560        |
| D        | 15m N          | Unspecified Pit | 1946            | 1:10560        |
| 18       | 34m N          | Unspecified Pit | 1946            | 1:10560        |
| O        | 35m N          | Unspecified Pit | 1951            | 1:10560        |
| O        | 37m N          | Unspecified Pit | 1946            | 1:10560        |
| O        | 37m N          | Unspecified Pit | 1883            | 1:10560        |
| O        | 38m N          | Unspecified Pit | 1907            | 1:10560        |
| O        | 38m N          | Unspecified Pit | 1907            | 1:10560        |



| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| P  | 47m SW   | Ponds                       | 1883            | 1:10560       |
| Q  | 48m S    | Pond                        | 1946            | 1:10560       |
| Q  | 48m S    | Pond                        | 1883            | 1:10560       |
| R  | 50m SW   | Pond                        | 1983            | 1:10000       |
| R  | 50m SW   | Pond                        | 1883            | 1:10560       |
| P  | 58m SW   | Ponds                       | 1946            | 1:10560       |
| S  | 61m N    | Pond                        | 1979            | 1:10000       |
| S  | 68m N    | Pond                        | 1906            | 1:10560       |
| T  | 69m N    | Unspecified Pit             | 1946            | 1:10560       |
| T  | 69m N    | Unspecified Pit             | 1883            | 1:10560       |
| S  | 70m N    | Pond                        | 1951            | 1:10560       |
| S  | 71m N    | Pond                        | 1946            | 1:10560       |
| S  | 71m N    | Pond                        | 1883            | 1:10560       |
| T  | 71m N    | Unspecified Pit             | 1907            | 1:10560       |
| T  | 71m N    | Unspecified Pit             | 1907            | 1:10560       |
| T  | 73m N    | Unspecified Pit             | 1953            | 1:10560       |
| 19 | 76m E    | Pond                        | 1883            | 1:10560       |
| 20 | 78m NE   | Pond                        | 1883            | 1:10560       |
| U  | 83m N    | Unspecified Pit             | 1979            | 1:10000       |
| V  | 83m NE   | Pond                        | 1883            | 1:10560       |
| V  | 85m NE   | Pond                        | 1906            | 1:10560       |
| W  | 87m NE   | Pond                        | 1906            | 1:10560       |
| U  | 87m N    | Unspecified Pits            | 1907            | 1:10560       |
| U  | 87m N    | Unspecified Pits            | 1907            | 1:10560       |
| U  | 88m N    | Unspecified Ground Workings | 1951            | 1:10560       |
| U  | 89m N    | Unspecified Pits            | 1946            | 1:10560       |
| W  | 90m NE   | Pond                        | 1951            | 1:10560       |
| W  | 90m NE   | Pond                        | 1979            | 1:10000       |



| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| W  | 91m NE   | Pond                        | 1946            | 1:10560       |
| W  | 91m NE   | Pond                        | 1883            | 1:10560       |
| 21 | 94m SW   | Pond                        | 1983            | 1:10000       |
| X  | 96m N    | Unspecified Pits            | 1946            | 1:10560       |
| X  | 96m N    | Unspecified Pits            | 1883            | 1:10560       |
| X  | 98m N    | Unspecified Pits            | 1951            | 1:10560       |
| X  | 100m N   | Unspecified Pit             | 1979            | 1:10000       |
| Y  | 104m N   | Ponds                       | 1951            | 1:10560       |
| 22 | 105m NE  | Ponds                       | 1883            | 1:10560       |
| Z  | 106m NE  | Pond                        | 1883            | 1:10560       |
| Z  | 114m NE  | Pond                        | 1979            | 1:10000       |
| 23 | 119m SE  | Ponds                       | 1951            | 1:10560       |
| AA | 121m NE  | Pond                        | 1907            | 1:10560       |
| AA | 121m NE  | Ponds                       | 1946            | 1:10560       |
| AA | 121m NE  | Ponds                       | 1883            | 1:10560       |
| AB | 128m SW  | Pond                        | 1946            | 1:10560       |
| AB | 128m SW  | Pond                        | 1883            | 1:10560       |
| AA | 130m NE  | Pond                        | 1979            | 1:10000       |
| AC | 130m SW  | Ponds                       | 1928            | 1:10560       |
| AC | 130m SW  | Ponds                       | 1904            | 1:10560       |
| AC | 130m SW  | Ponds                       | 1883            | 1:10560       |
| AC | 134m SW  | Ponds                       | 1983            | 1:10000       |
| AC | 134m SW  | Ponds                       | 1951            | 1:10560       |
| AD | 135m N   | Unspecified Ground Workings | 1953            | 1:10560       |
| AD | 136m N   | Unspecified Ground Workings | 1946            | 1:10560       |
| AD | 137m N   | Unspecified Pit             | 1907            | 1:10560       |
| AD | 137m N   | Unspecified Pit             | 1907            | 1:10560       |
| AB | 139m SW  | Pond                        | 1983            | 1:10000       |





| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| AB | 139m SW  | Pond                        | 1951            | 1:10560       |
| AE | 143m NE  | Pond                        | 1946            | 1:10560       |
| AE | 143m NE  | Pond                        | 1883            | 1:10560       |
| AE | 146m NE  | Pond                        | 1906            | 1:10560       |
| AE | 146m NE  | Pond                        | 1953            | 1:10560       |
| AE | 146m NE  | Pond                        | 1979            | 1:10000       |
| U  | 149m N   | Clay Pit                    | 1883            | 1:10560       |
| 24 | 154m SW  | Pond                        | 1951            | 1:10560       |
| Y  | 155m N   | Pond                        | 1979            | 1:10000       |
| Y  | 157m N   | Pond                        | 1946            | 1:10560       |
| Y  | 157m N   | Pond                        | 1883            | 1:10560       |
| 25 | 158m N   | Pond                        | 1977            | 1:10000       |
| AF | 161m SW  | Pond                        | 1951            | 1:10560       |
| AF | 161m SW  | Pond                        | 1928            | 1:10560       |
| AF | 161m SW  | Pond                        | 1904            | 1:10560       |
| AF | 161m SW  | Pond                        | 1883            | 1:10560       |
| X  | 174m N   | Unspecified Pit             | 1907            | 1:10560       |
| X  | 174m N   | Unspecified Pit             | 1907            | 1:10560       |
| AG | 177m S   | Pond                        | 1946            | 1:10560       |
| AG | 177m S   | Pond                        | 1883            | 1:10560       |
| AA | 185m NE  | Pond                        | 1951            | 1:10560       |
| AA | 185m NE  | Pond                        | 1979            | 1:10000       |
| AA | 186m NE  | Pond                        | 1907            | 1:10560       |
| 27 | 210m N   | Unspecified Ground Workings | 1951            | 1:10560       |
| AH | 222m NE  | Unspecified Pits            | 1951            | 1:10560       |
| AH | 223m NE  | Unspecified Pits            | 1907            | 1:10560       |
| AH | 223m NE  | Unspecified Pits            | 1907            | 1:10560       |
| AH | 223m NE  | Unspecified Pits            | 1946            | 1:10560       |



| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| AH | 223m NE  | Unspecified Pits            | 1883            | 1:10560       |
| AI | 224m W   | Ponds                       | 1928            | 1:10560       |
| AI | 224m W   | Ponds                       | 1904            | 1:10560       |
| AI | 224m W   | Ponds                       | 1883            | 1:10560       |
| AJ | 228m NE  | Unspecified Pits            | 1951            | 1:10560       |
| AJ | 230m NE  | Gravel Pit                  | 1946            | 1:10560       |
| 28 | 236m E   | Ponds                       | 1883            | 1:10560       |
| AA | 238m NE  | Unspecified Pit             | 1951            | 1:10560       |
| AA | 238m NE  | Unspecified Pit             | 1907            | 1:10560       |
| AA | 238m NE  | Unspecified Pit             | 1907            | 1:10560       |
| AA | 239m NE  | Unspecified Pit             | 1946            | 1:10560       |
| AA | 239m NE  | Unspecified Pit             | 1883            | 1:10560       |
| 29 | 241m N   | Unspecified Ground Workings | 1883            | 1:10560       |

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.3 Underground workings

**Records within 1000m**

**0**

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.4 Underground mining extents

**Records within 500m**

**0**

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

*This data is sourced from Groundsure.*



## 18.5 Historical Mineral Planning Areas

**Records within 500m**
**5**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on [page 192 >](#)

| ID       | Location       | Site Name          | Mineral                          | Type                           | Planning Status | Planning Status Date |
|----------|----------------|--------------------|----------------------------------|--------------------------------|-----------------|----------------------|
| <b>D</b> | <b>On site</b> | <b>Cedars Farm</b> | <b>Sand and gravel</b>           | <b>Surface mineral working</b> | <b>Valid</b>    | <b>17/08/48</b>      |
| 26       | 186m NE        | Boyland Hall       | Sand and gravel, chert and flint | Surface mineral working        | Valid           | 14/04/78             |
| 30       | 257m NE        | Boyland Hall       | Sand and gravel, chert and flint | Surface mineral working        | Valid           | 02/05/73             |
| 34       | 314m NE        | Boyland Hall       | Sand and gravel, chert and flint | Surface mineral working        | Valid           | Not available        |
| 40       | 369m NE        | Boyland Hall       | Sand and gravel, chert and flint | Surface mineral working        | Valid           | 25/01/64             |

*This data is sourced from the British Geological Survey.*

## 18.6 Non-coal mining

**Records within 1000m**
**12**

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on [page 192 >](#)

| ID | Location | Name          | Commodity | Class | Likelihood  |
|----|----------|---------------|-----------|-------|---|
| 9  | On site  | Not available | Chalk     | A     | <b>Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.</b> |



| ID | Location | Name          | Commodity | Class | Likelihood   |
|----|----------|---------------|-----------|-------|--|
| 10 | On site  | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 11 | On site  | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 12 | On site  | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 13 | On site  | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 14 | On site  | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 15 | On site  | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 31 | 258m N   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 36 | 322m N   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 39 | 355m N   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 47 | 511m N   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |



| ID | Location | Name          | Commodity | Class | Likelihood   |
|----|----------|---------------|-----------|-------|--|
| 48 | 522m N   | Not available | Chalk     | A     | Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |

*This data is sourced from the British Geological Survey.*

## 18.7 JPB mining areas

**Records on site**

**0**

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.8 The Coal Authority non-coal mining

**Records within 500m**

**0**

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

**Records within 500m**

**0**

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

*This data is sourced from Groundsure.*



## 18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*

## 18.11 BGS mine plans

Records within 500m

0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*

## 18.12 Coal mining

Records on site

0

Areas which could be affected by past, current or future coal mining.

*This data is sourced from the Coal Authority.*

## 18.13 Brine areas

Records on site

0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

## 18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*



## 18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

## 18.16 Clay mining

Records on site

0

Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*

## 19 Ground cavities and sinkholes

### 19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Stantec UK Ltd.*

### 19.2 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

*This data is sourced from Stantec UK Ltd.*

### 19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

*This data is sourced from Groundsure.*

### 19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.





*This data is sourced from Groundsure.*

## 19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

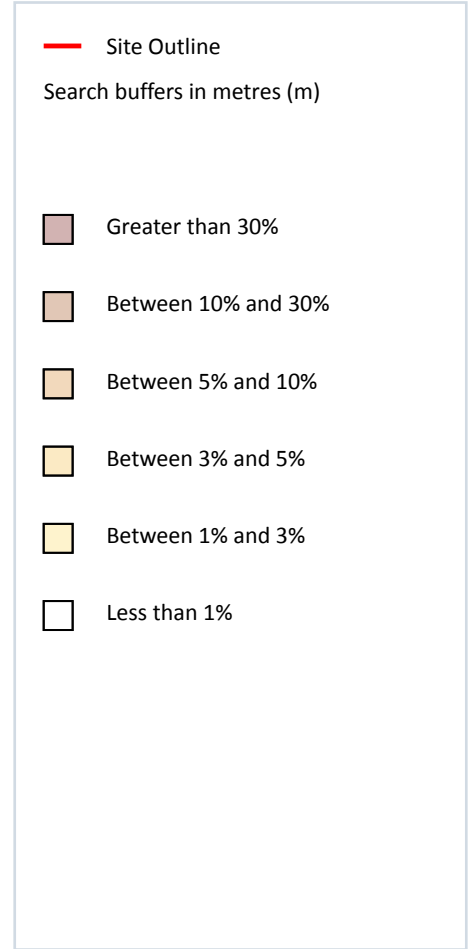
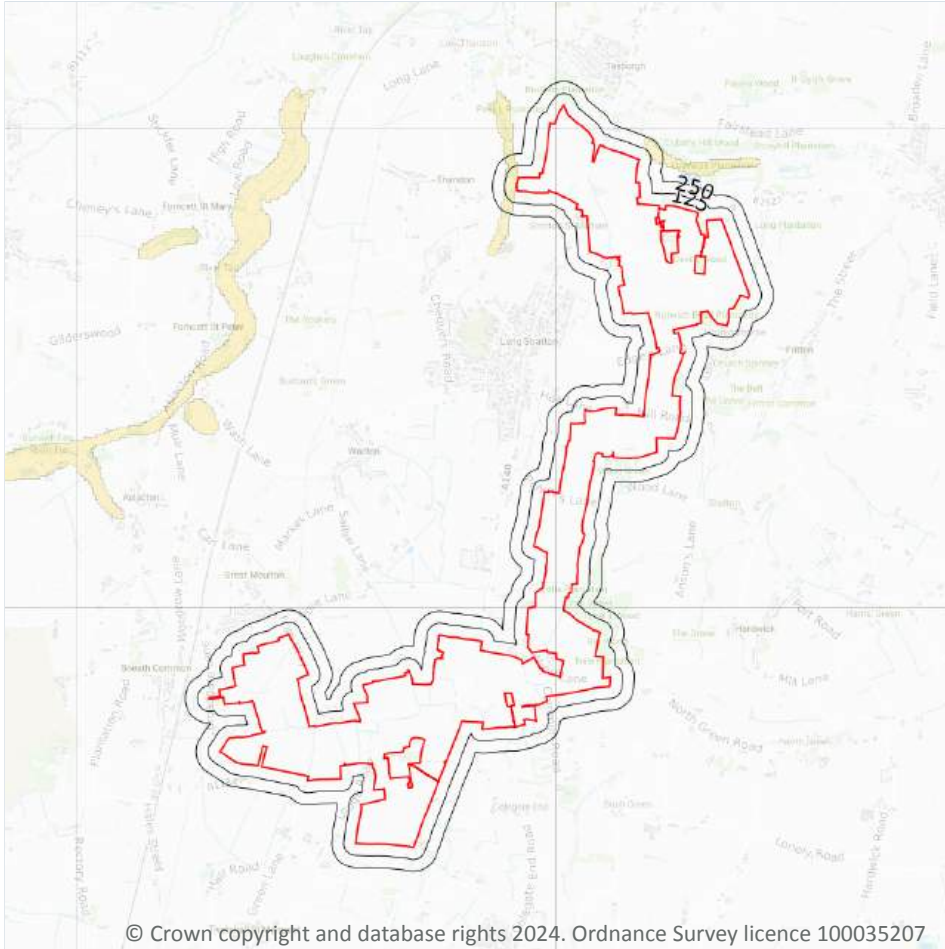
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

*This data is sourced from the British Geological Survey.*



## 20 Radon



### 20.1 Radon

#### Records on site

2

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 210 >](#)

| Location | Estimated properties affected | Radon Protection Measures required |
|----------|-------------------------------|------------------------------------|
| On site  | Less than 1%                  | None                               |



| Location       | Estimated properties affected | Radon Protection Measures required |
|----------------|-------------------------------|------------------------------------|
| <b>On site</b> | <b>Between 1% and 3%</b>      | <b>None</b>                        |

*This data is sourced from the British Geological Survey and UK Health Security Agency.*



## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

148

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |



| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| On site  | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 1m SW    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 3m S     | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |





| Location | Arsenic  | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|----------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| 6m S     | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 6m NE    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 6m NE    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 6m N     | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 13m SE   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 15m N    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 21m N    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 29m N    | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 40m NE   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 40m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 40m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 41m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 41m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 43m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 43m SW   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 44m NE   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 20 - 40 mg/kg | 15 mg/kg      |
| 44m NE   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 44m NE   | 15 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |

*This data is sourced from the British Geological Survey.*

## 21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*



## 21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 22 Railway infrastructure and projects

### 22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

*This data is sourced from publicly available information by Groundsure.*

### 22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

*This data is sourced from publicly available information by Groundsure.*

### 22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

### 22.4 Historical railway and tunnel features

Records within 250m

0

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

*This data is sourced from Ordnance Survey/Groundsure.*

### 22.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.



*This data is sourced from Groundsure/the Postal Museum.*

## 22.6 Historical railways

**Records within 250m**

**0**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

**Records within 250m**

**0**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 1

**Records within 500m**

**0**

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

*This data is sourced from publicly available information by Groundsure.*

## 22.9 Crossrail 2

**Records within 500m**

**0**

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

*This data is sourced from publicly available information by Groundsure.*

## 22.10 HS2

**Records within 500m**

**0**

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.



*This data is sourced from HS2 Ltd.*



Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

Date: 23 August 2024

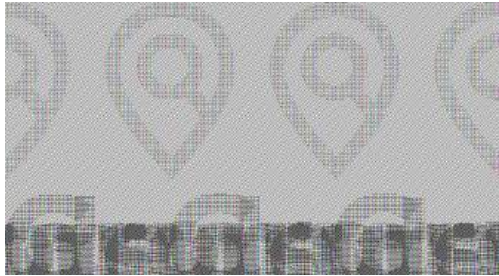
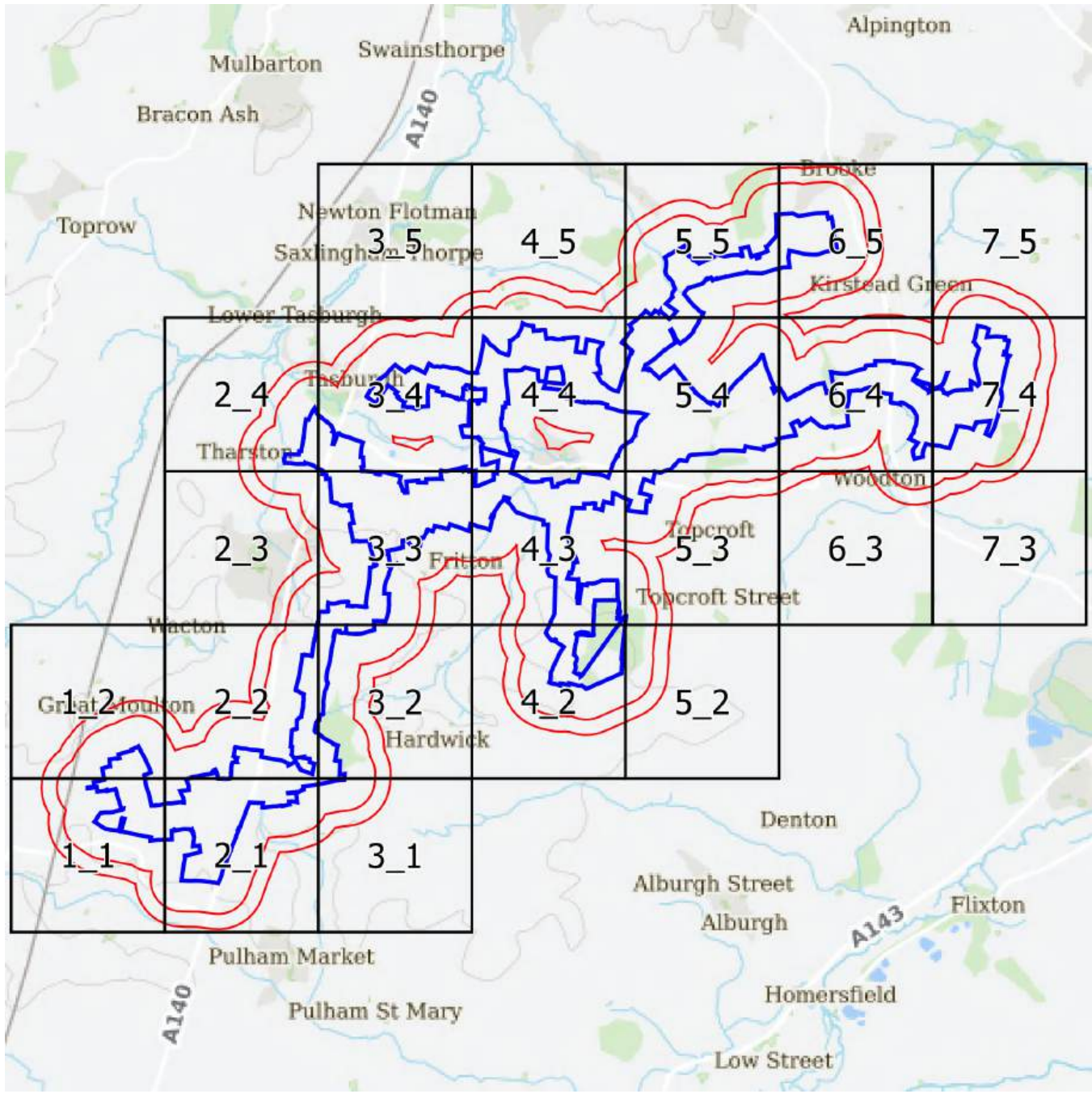
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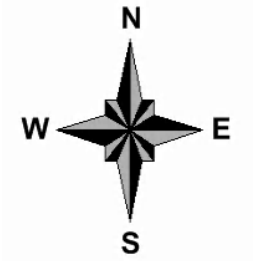
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Small Scale Grid Index



**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_1\_1  
**Grid Ref:** 616391, 287956

**Map Name:** County Series

**Map date:** 1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1883  
 Revised 1883  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1883  
 Revised 1883  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

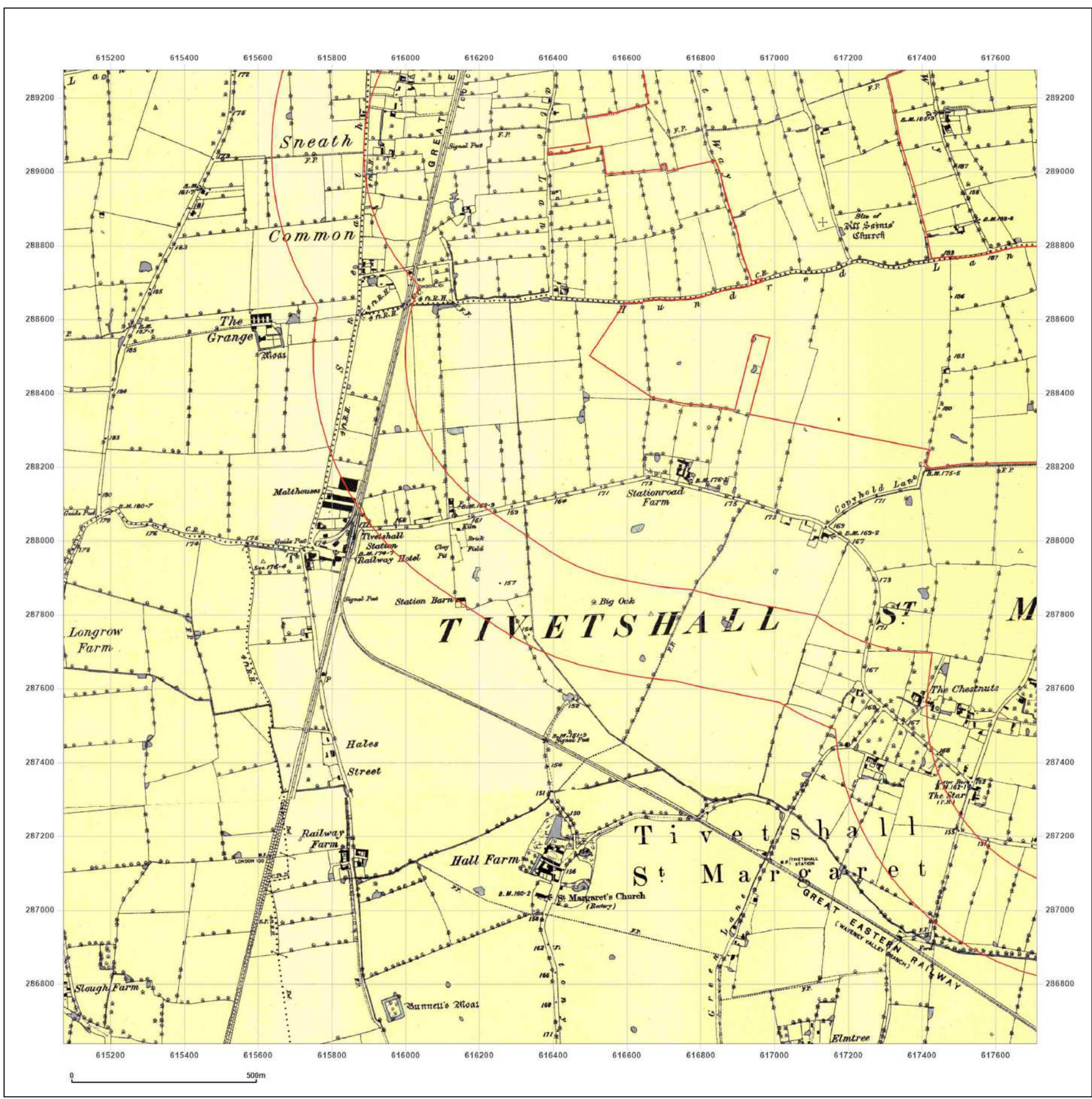


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_1\_1  
**Grid Ref:** 616391, 287956

**Map Name:** County Series

**Map date:** 1904

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1882  
 Revised 1904  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1883  
 Revised 1904  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

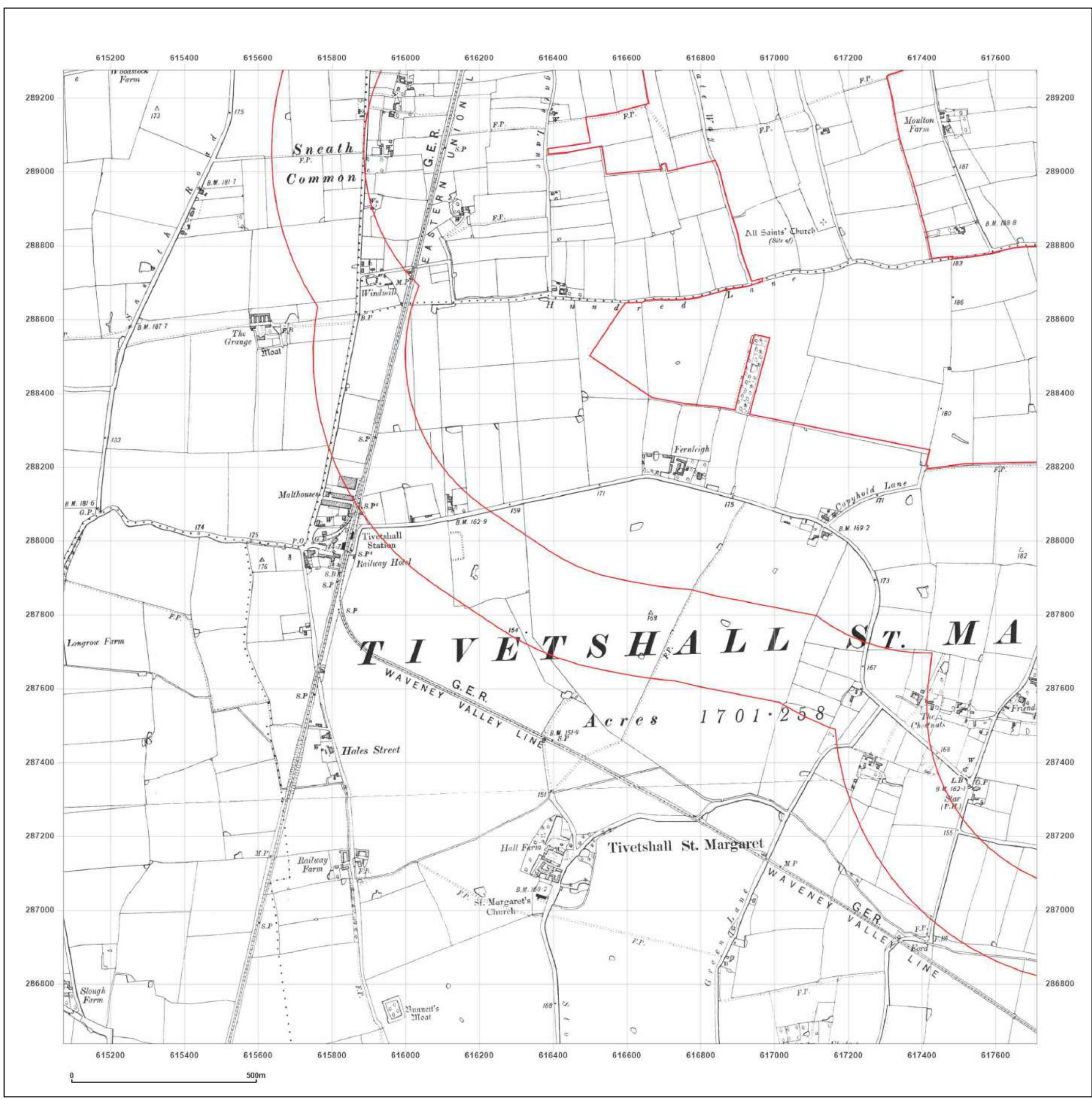


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_1\_1  
**Grid Ref:** 616391, 287956

**Map Name:** County Series

**Map date:** 1928

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1883  
 Revised 1928  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1883  
 Revised 1928  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

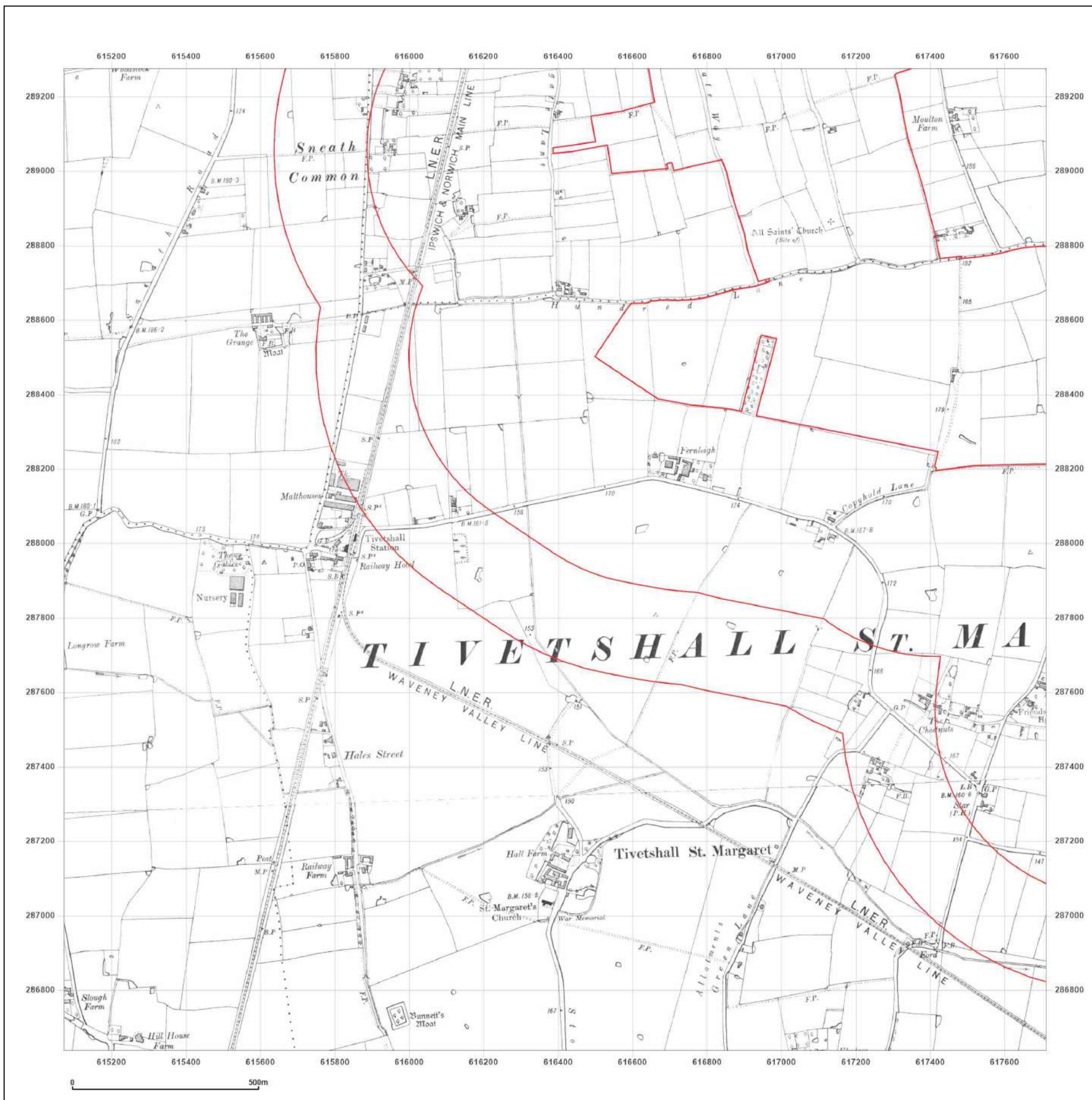


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_1\_1  
**Grid Ref:** 616391, 287956

**Map Name:** Provisional

**Map date:** 1951

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1951  
 Revised 1951  
 Edition N/A  
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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_1\_1  
**Grid Ref:** 616391, 287956

**Map Name:** National Grid

**Map date:** 1983

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1979  
 Revised 1983  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

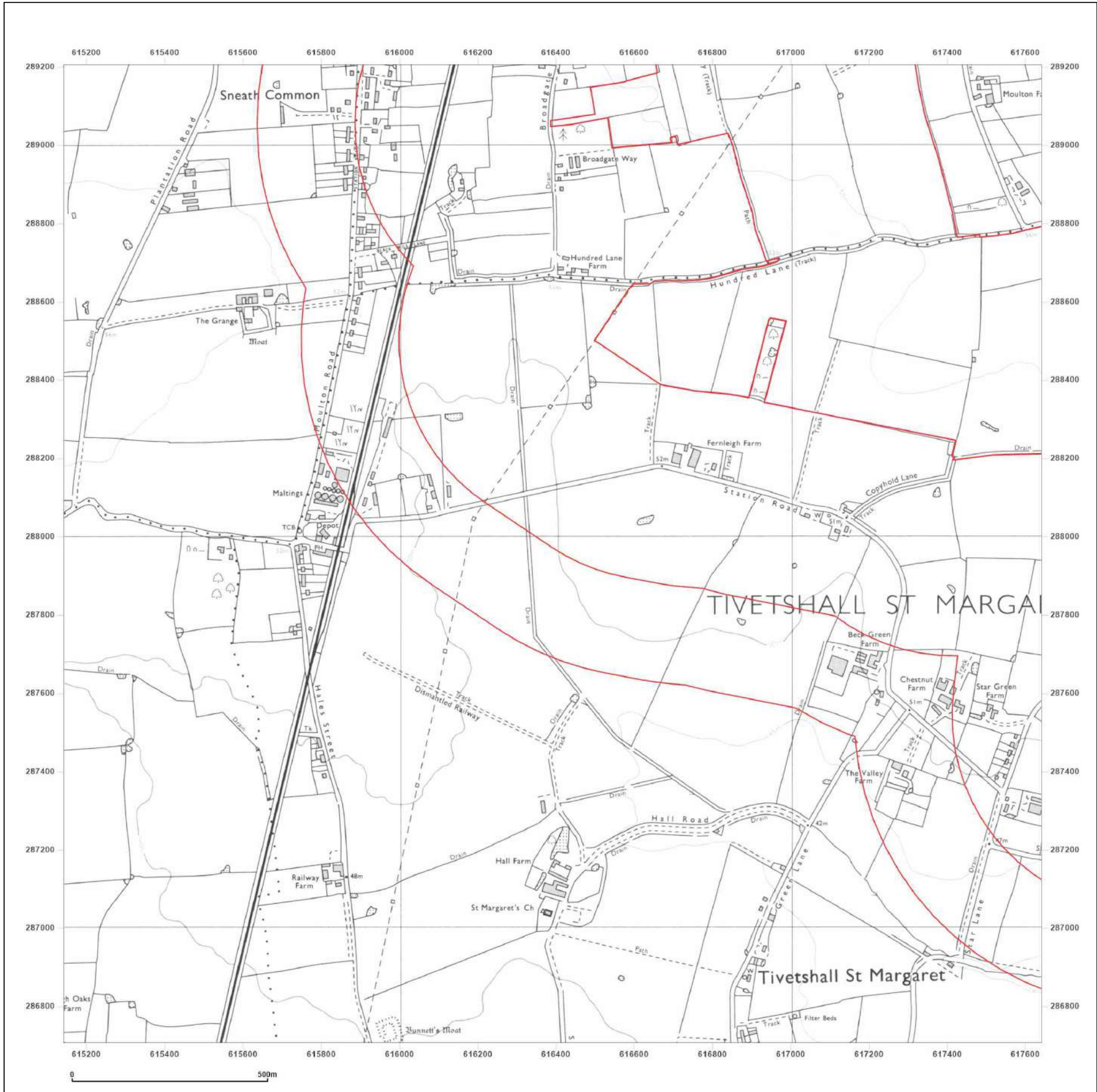


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**Site Details:**

Long Stratton

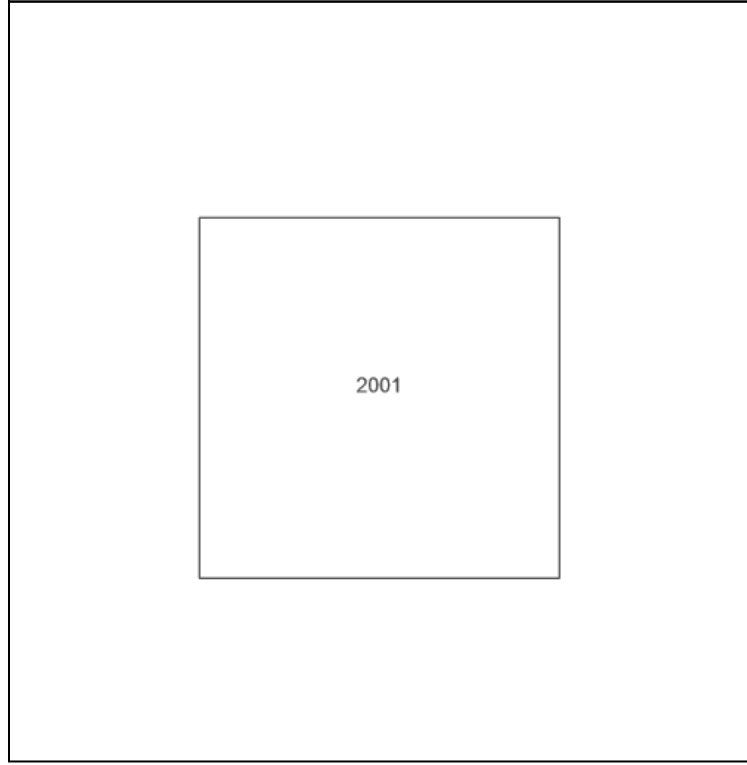
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**Report Ref:** GSIP-2024-16319-20838\_SS\_1\_1  
**Grid Ref:** 616391, 287956

**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

**Printed at:** 1:10,000

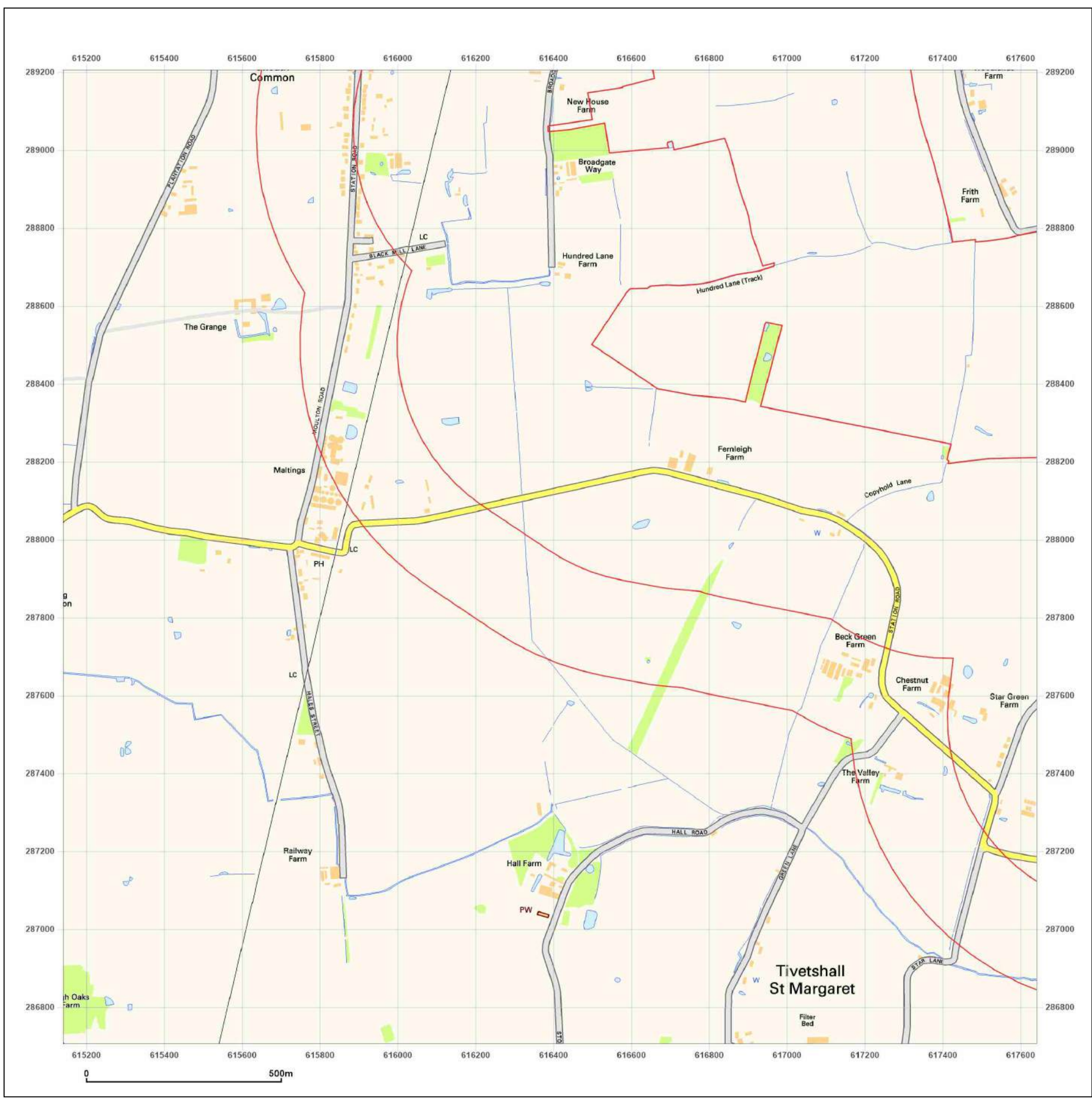


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**Site Details:**

Long Stratton

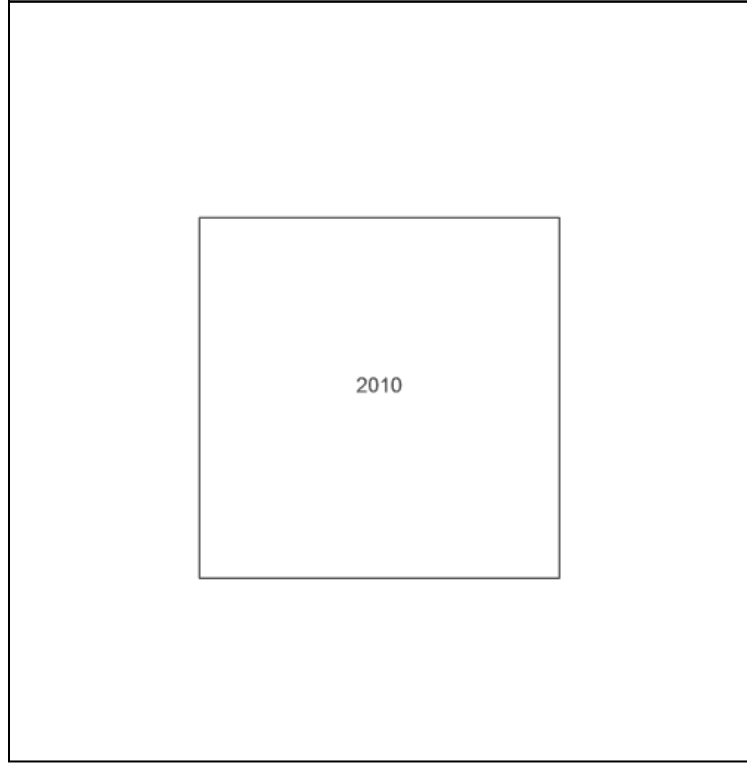
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**Report Ref:** GSIP-2024-16319-20838\_SS\_1\_1  
**Grid Ref:** 616391, 287956

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

**Printed at:** 1:10,000

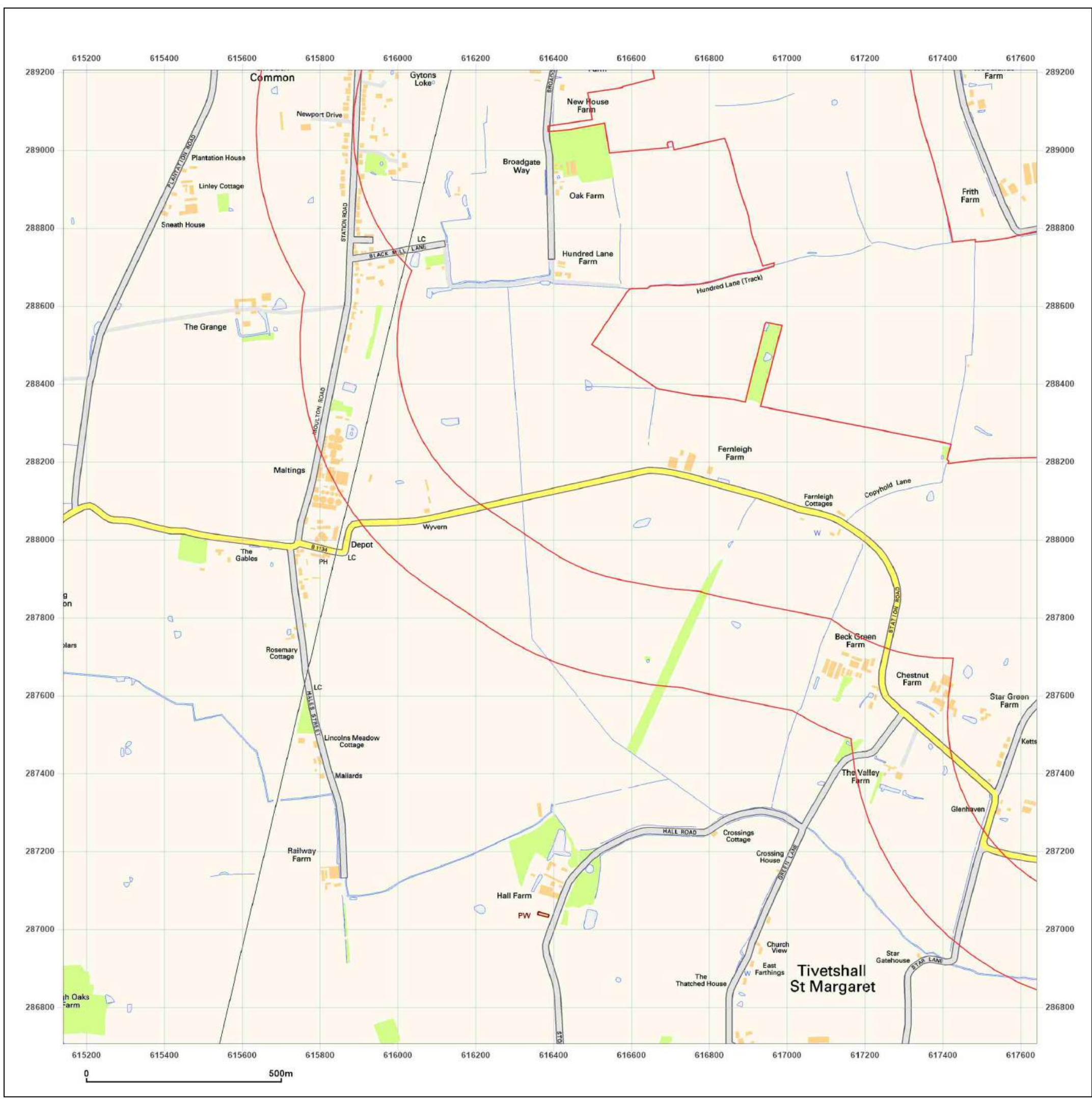


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**Site Details:**

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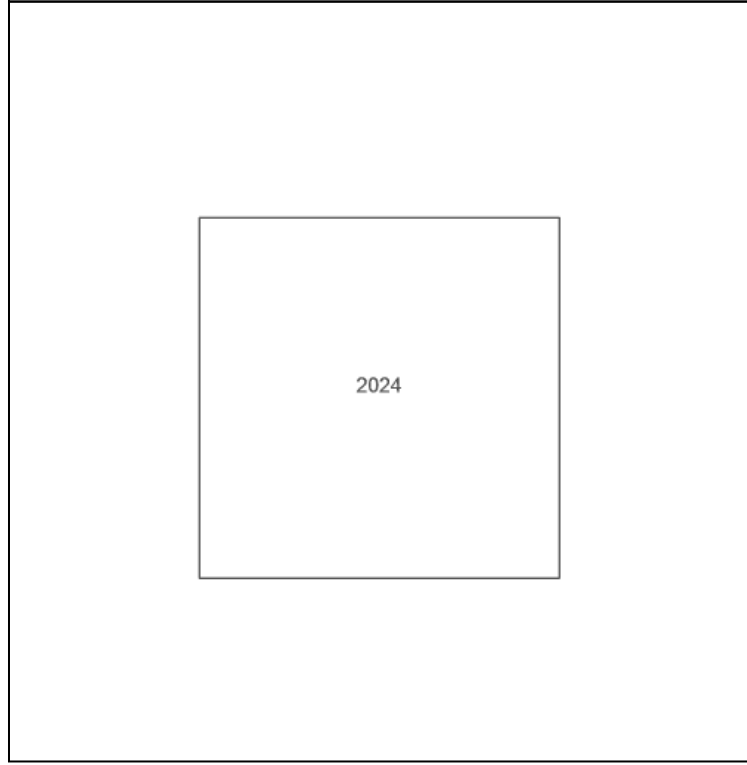
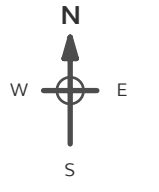
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**Map Name:** National Grid

**Map date:** 2024

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**Printed at:** 1:10,000

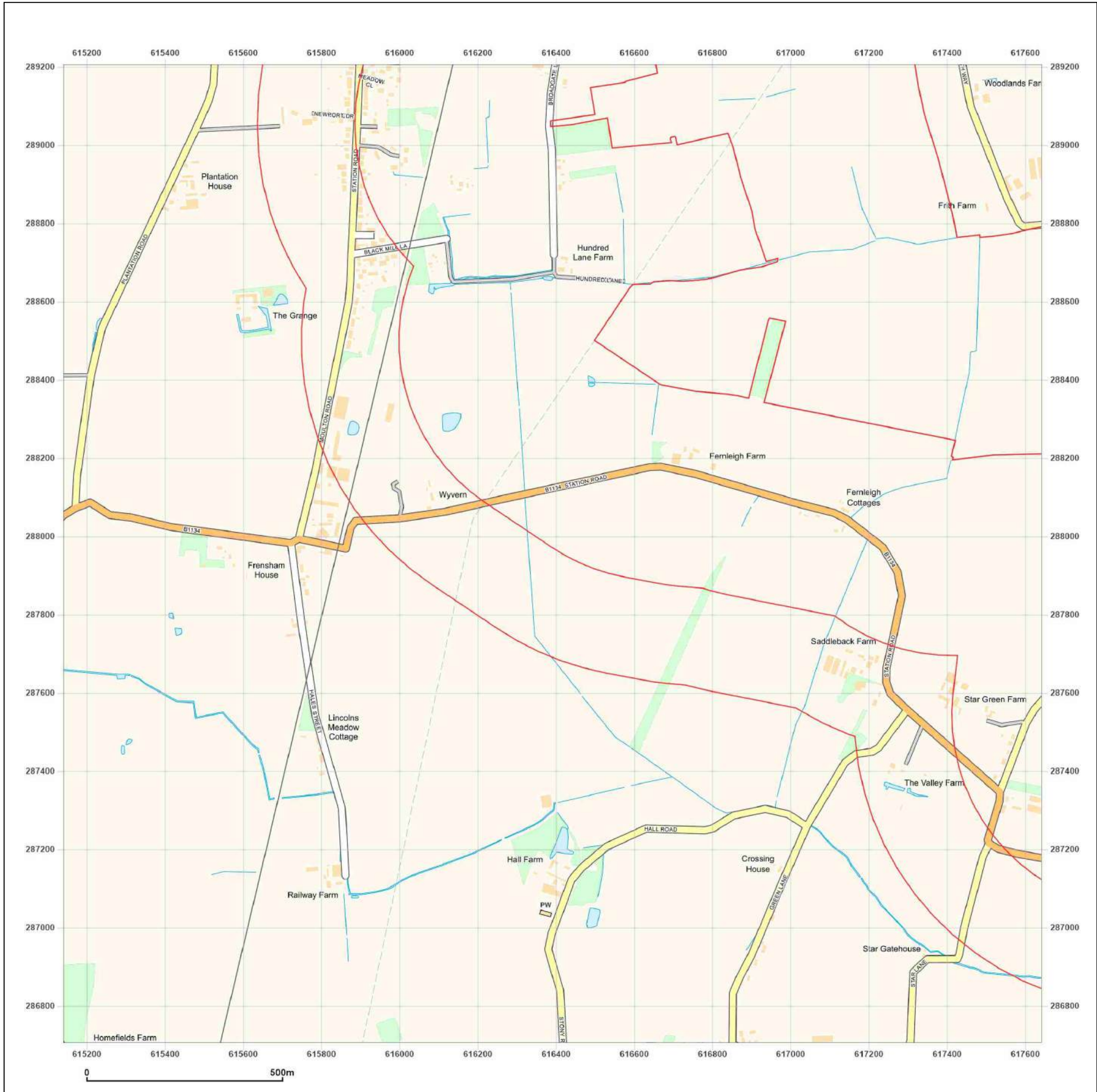


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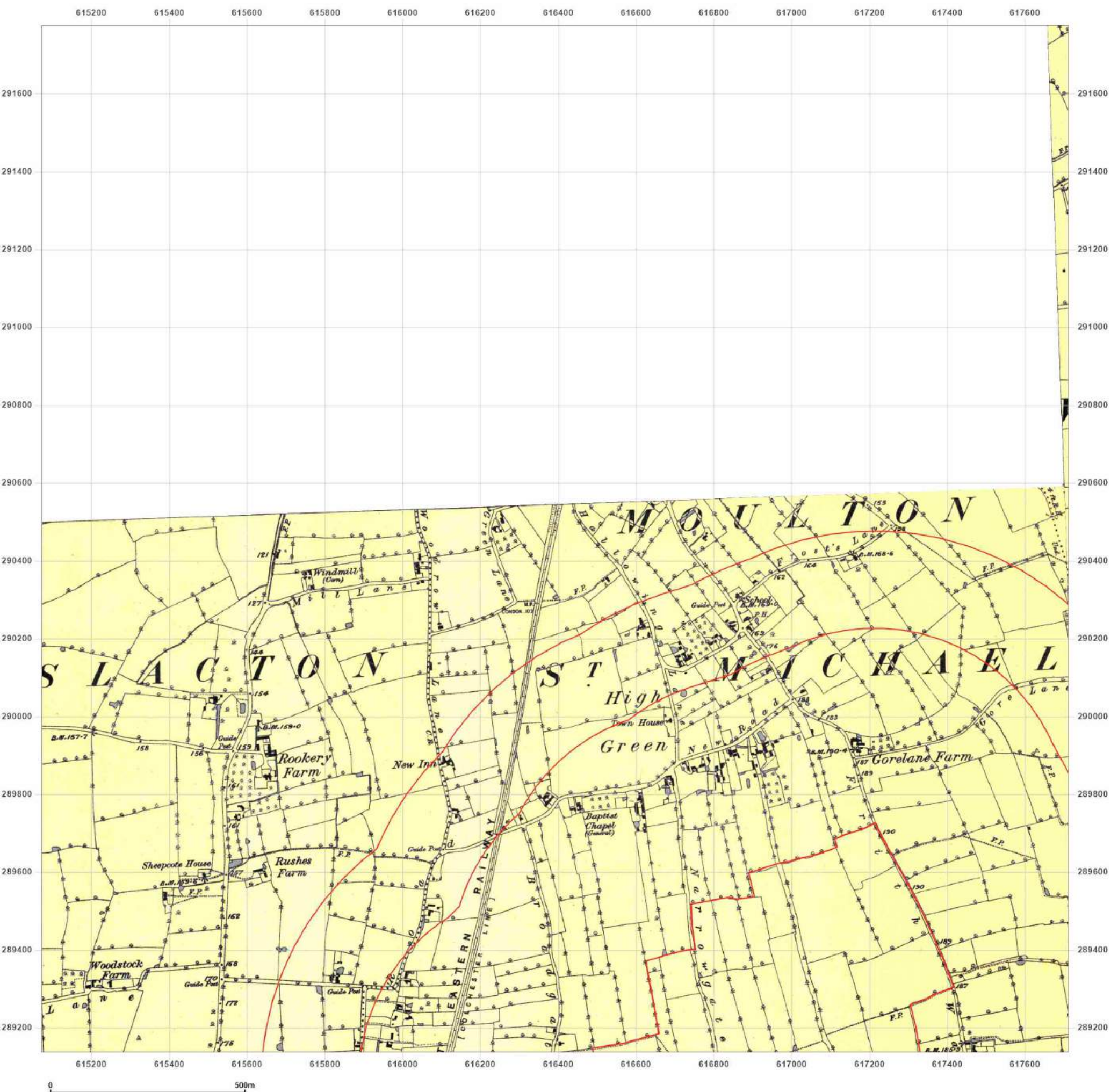
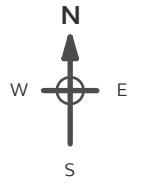
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**Grid Ref:** 616391, 290456

**Map Name:** County Series

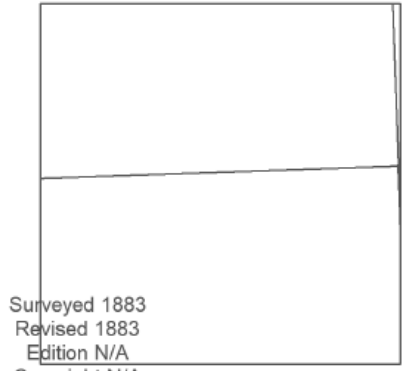
**Map date:** 1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1883  
 Revised 1883  
 Edition N/A  
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 Edition N/A  
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**Site Details:**

Long Stratton

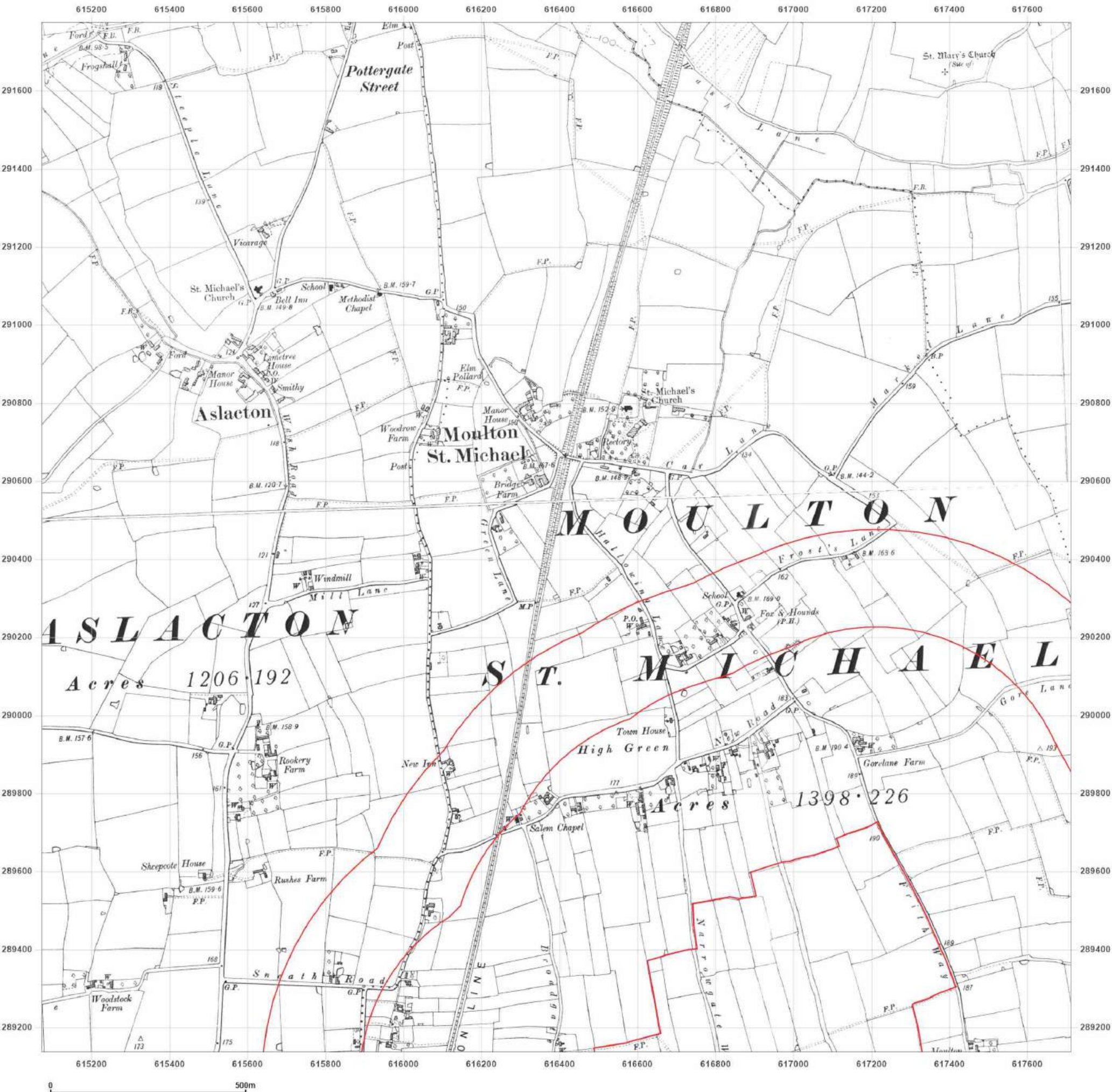
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**Grid Ref:** 616391, 290456

**Map Name:** County Series

**Map date:** 1904-1906

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1882  
 Revised 1904  
 Edition N/A  
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Surveyed 1883  
 Revised 1906  
 Edition 1906  
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Surveyed 1882  
 Revised 1904  
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**Site Details:**

Long Stratton

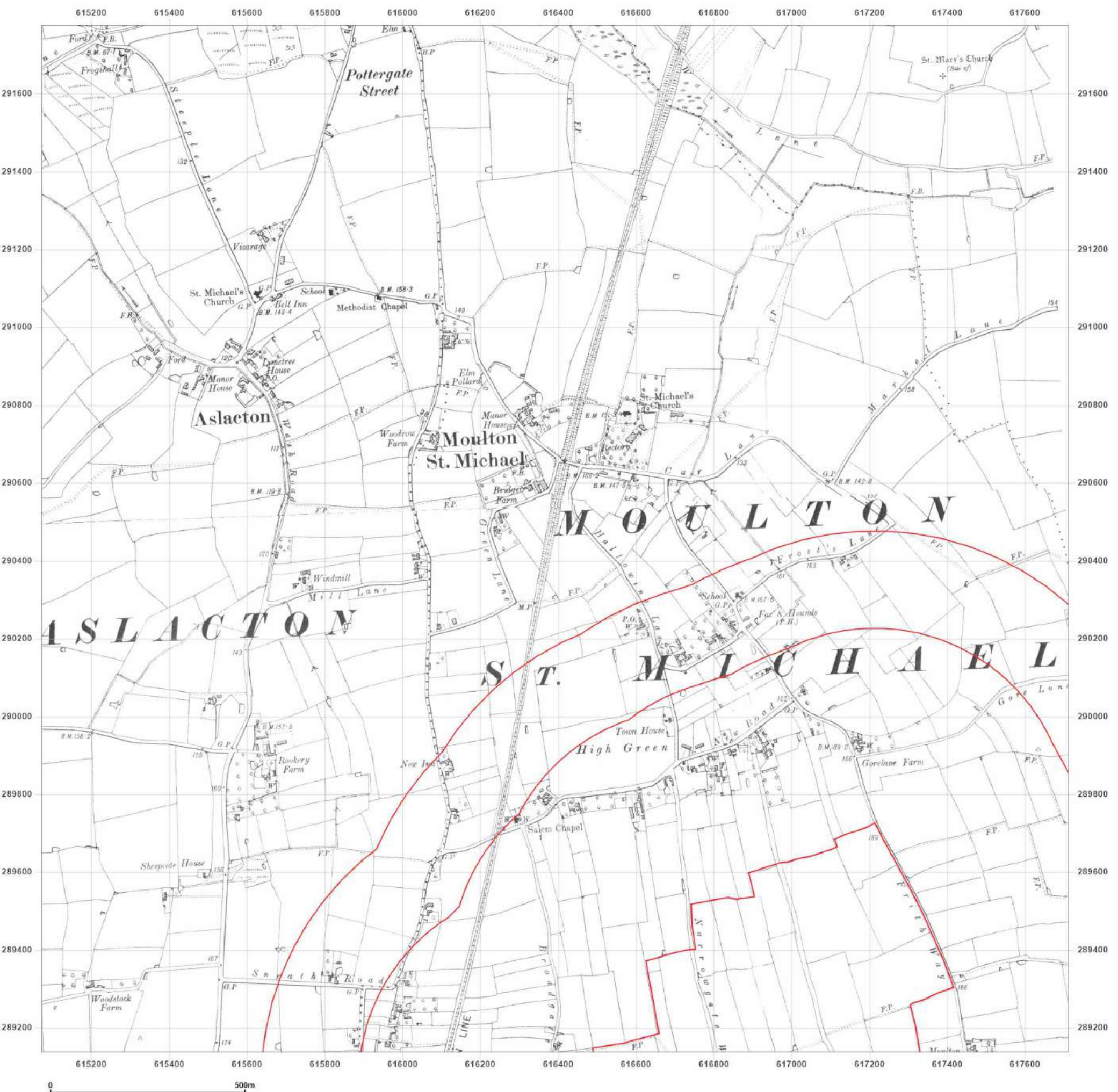
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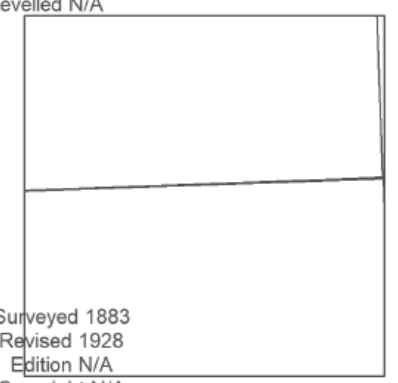
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**Scale:** 1:10,560

**Printed at:** 1:10,560



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Surveyed 1883  
 Revised 1928  
 Edition N/A  
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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_1\_2  
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**Map Name:** Provisional

**Map date:** 1951-1953

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1953  
 Revised 1953  
 Edition N/A  
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Surveyed 1951  
 Revised 1951  
 Edition N/A  
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**Site Details:**

Long Stratton

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**Grid Ref:** 616391, 290456

**Map Name:** National Grid

**Map date:** 1979-1983

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1975  
 Revised 1979  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1979  
 Revised 1983  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

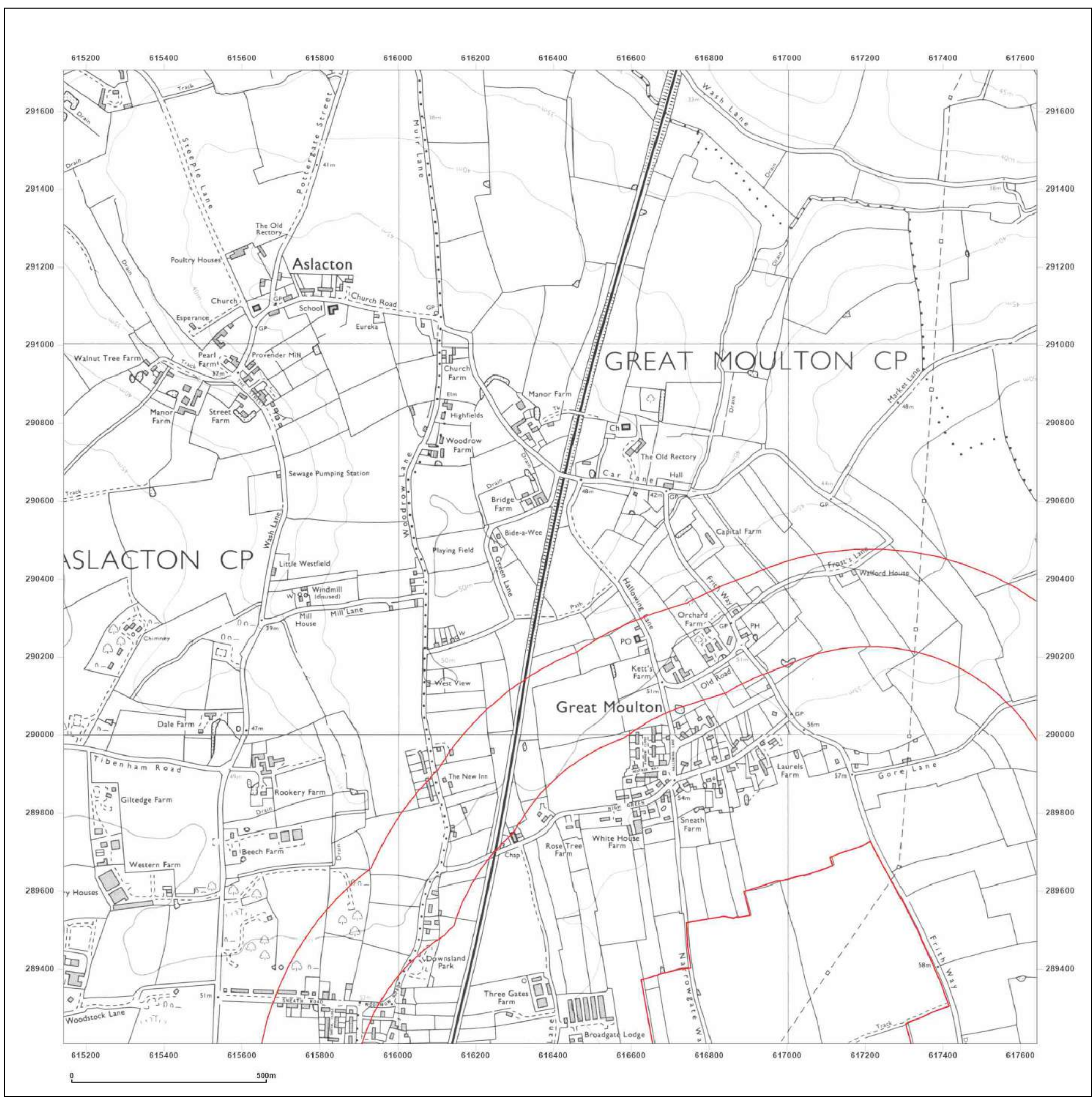


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**Site Details:**

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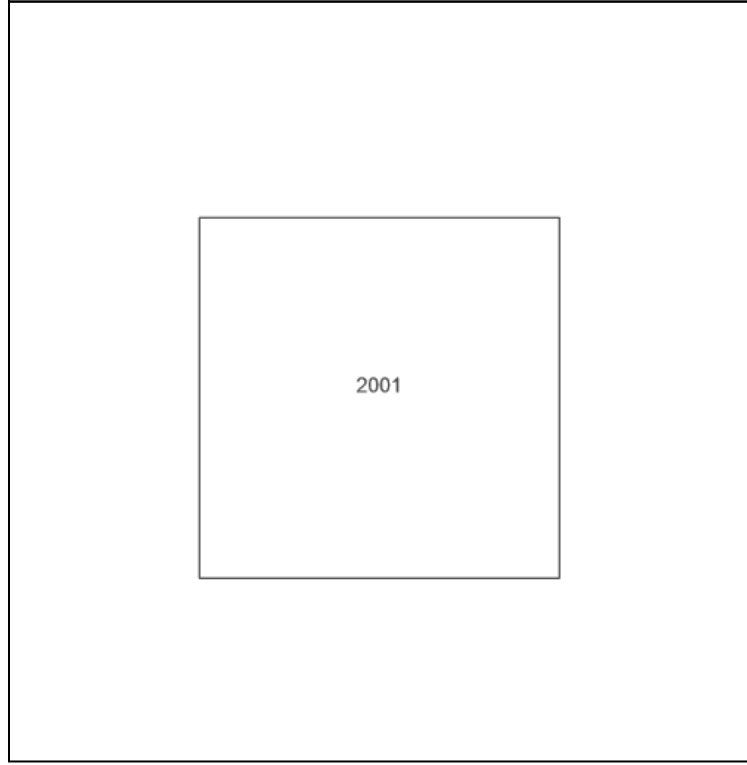
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**Map Name:** National Grid

**Map date:** 2001

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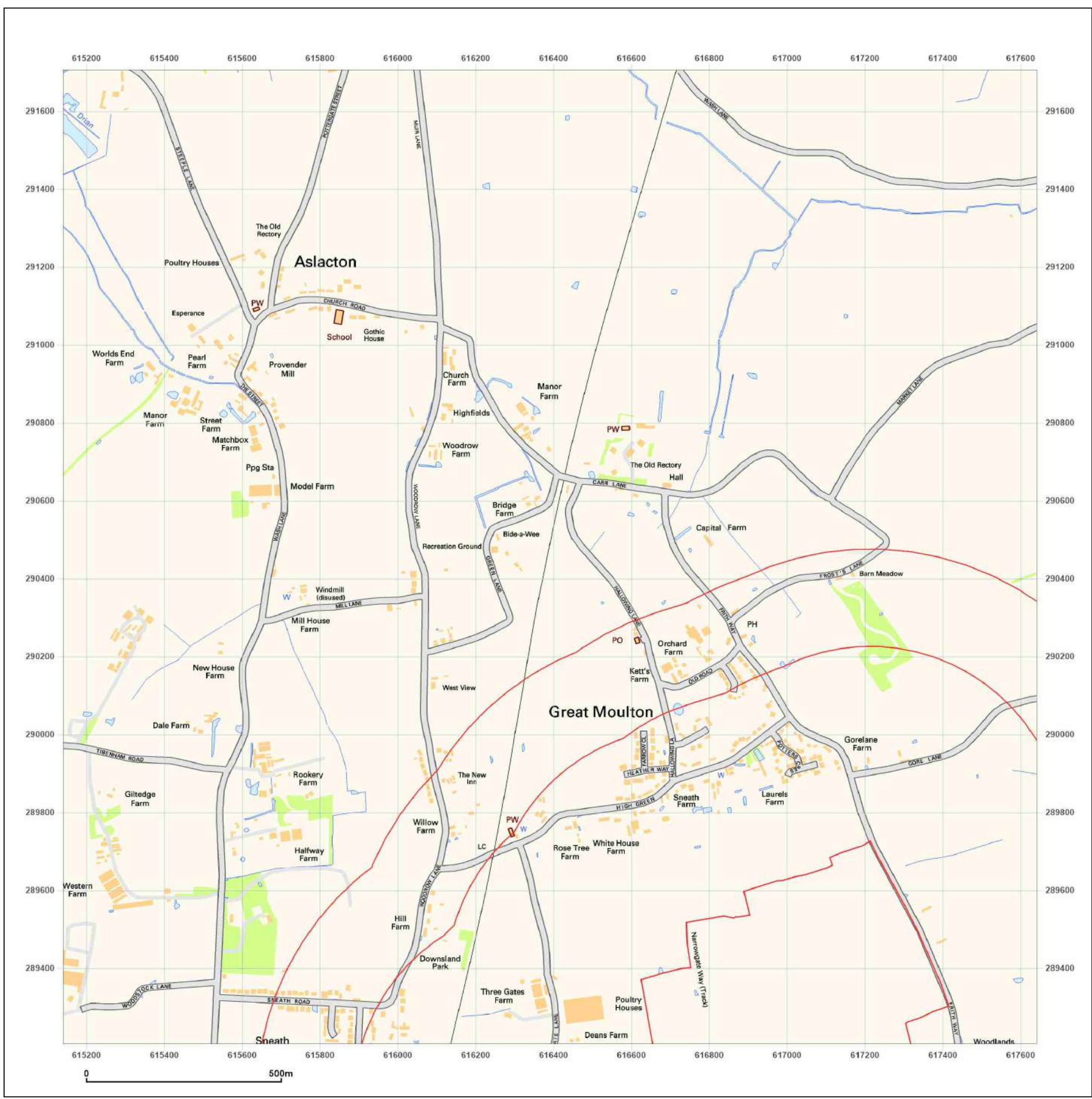


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**Site Details:**

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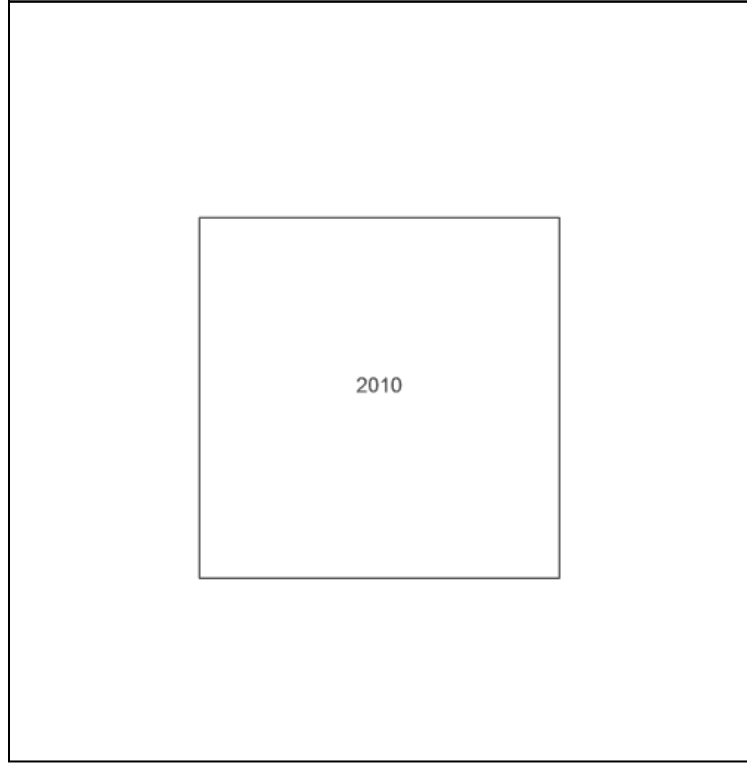
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**Map Name:** National Grid

**Map date:** 2010

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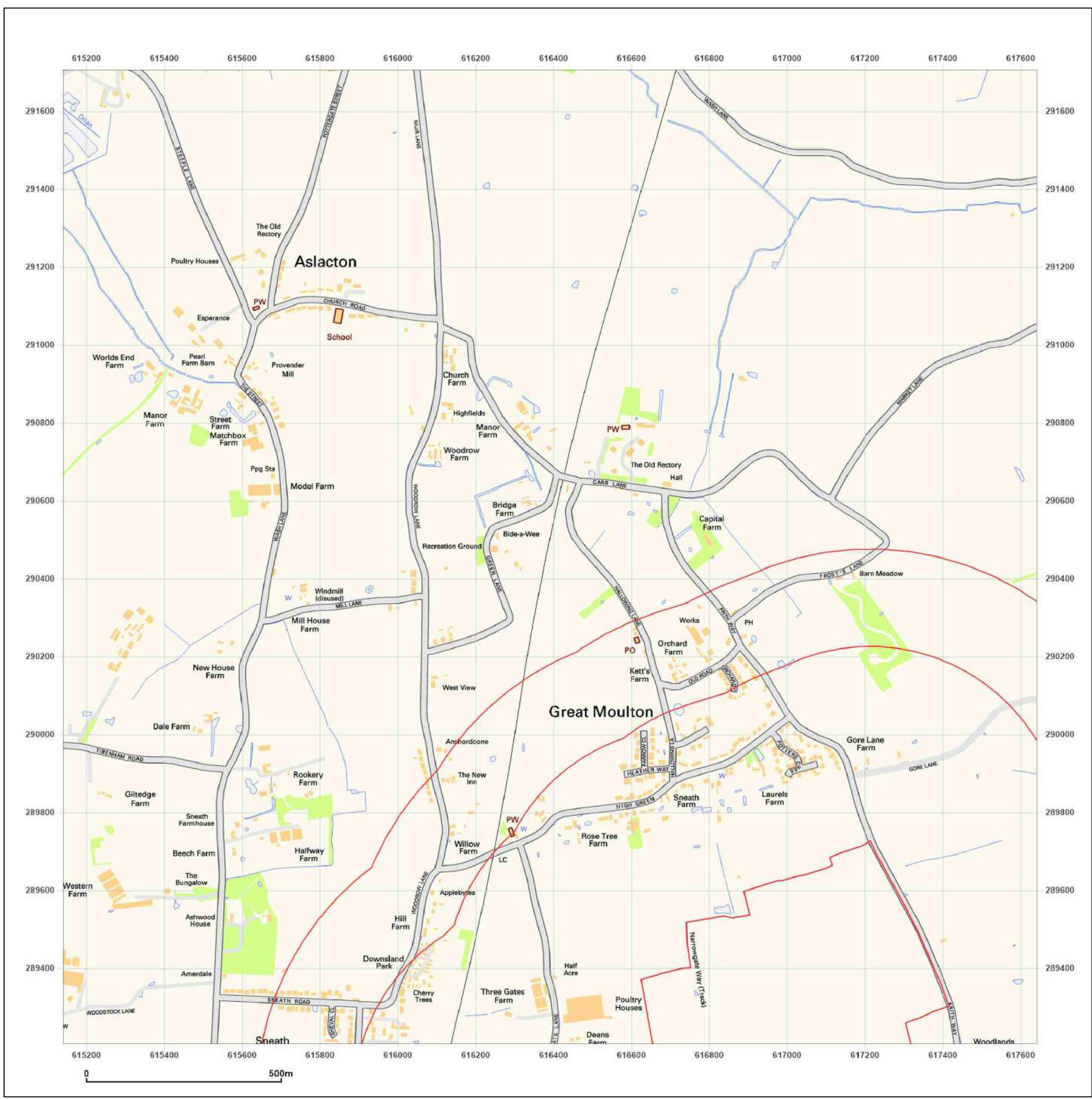


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**Site Details:**

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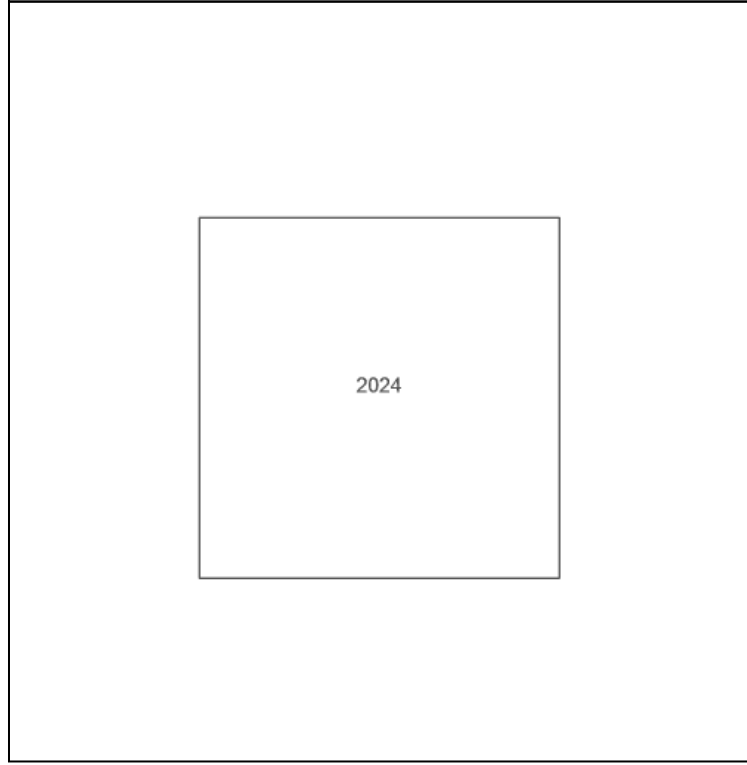
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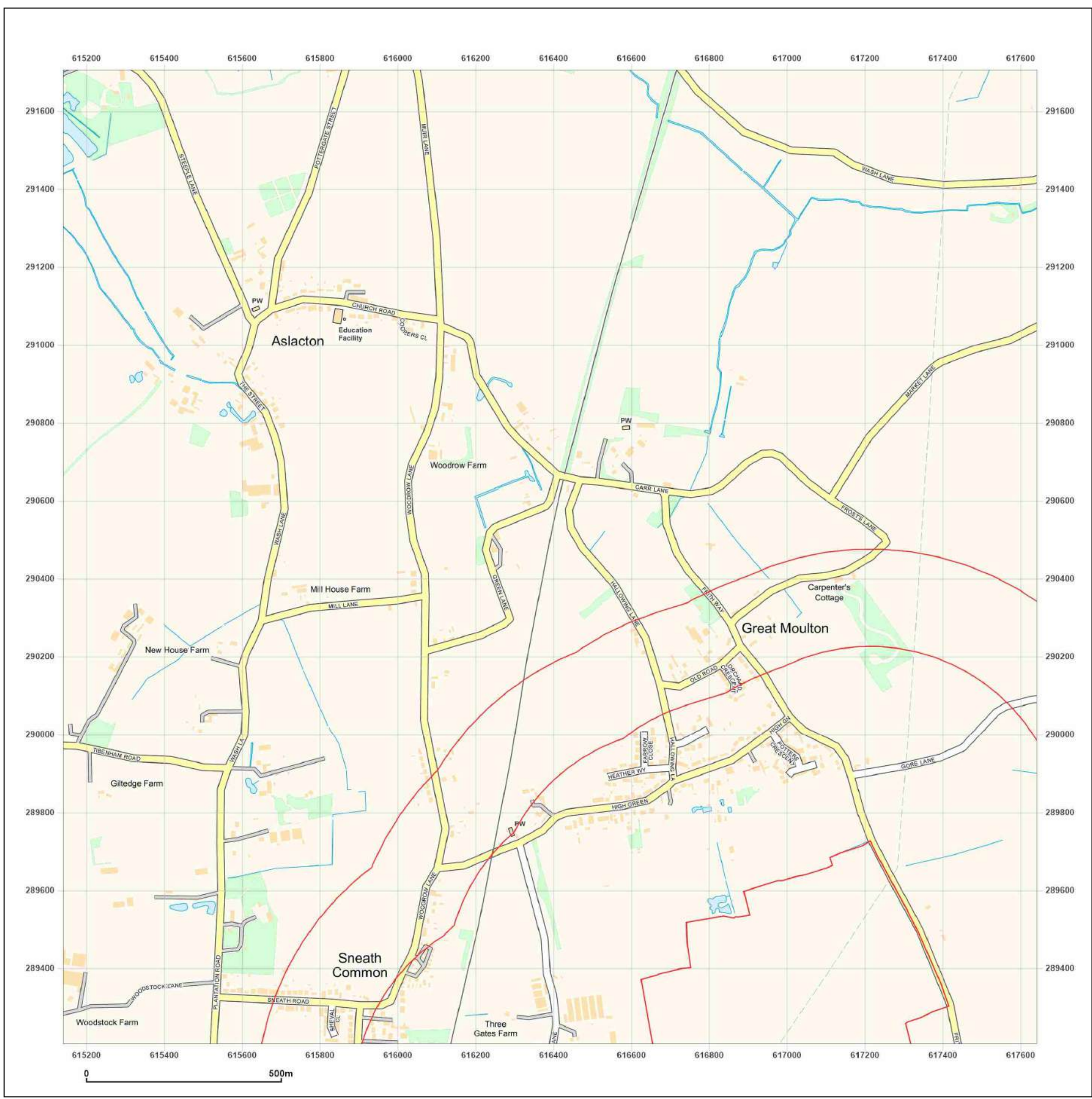


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_1  
**Grid Ref:** 618891, 287956

**Map Name:** County Series

**Map date:** 1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



|   |   |
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| Surveyed 1883<br>Revised 1883<br>Edition N/A<br>Copyright N/A<br>Levelled N/A | Surveyed 1883<br>Revised 1883<br>Edition N/A<br>Copyright N/A<br>Levelled N/A |



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**Site Details:**

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**Grid Ref:** 618891, 287956

**Map Name:** County Series

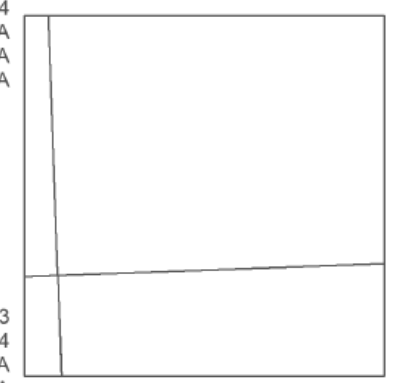
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**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Edition N/A  
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Surveyed 1883  
 Revised 1904  
 Edition N/A  
 Copyright N/A  
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Surveyed 1883  
 Revised 1906  
 Edition 1906  
 Copyright N/A  
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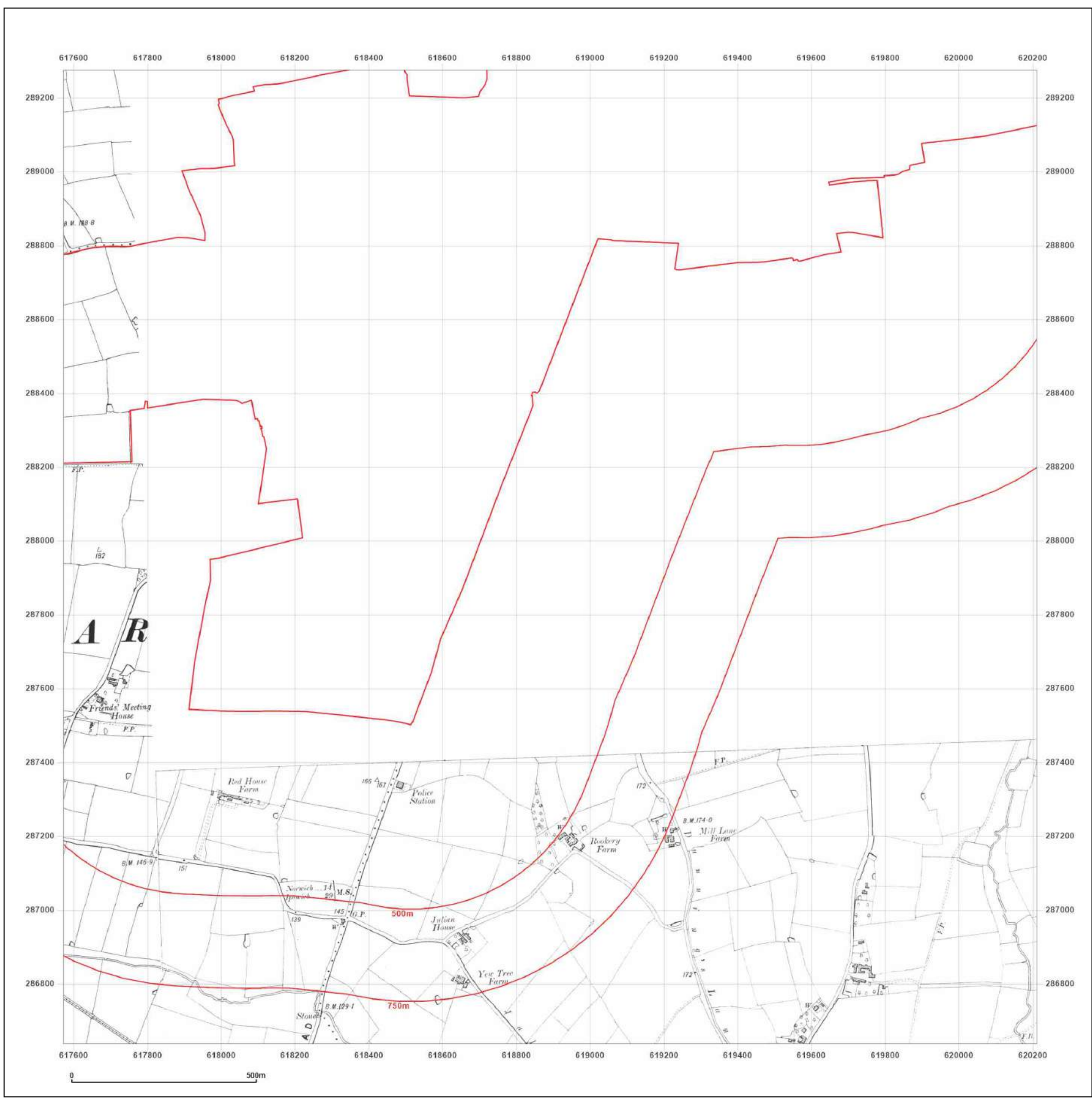


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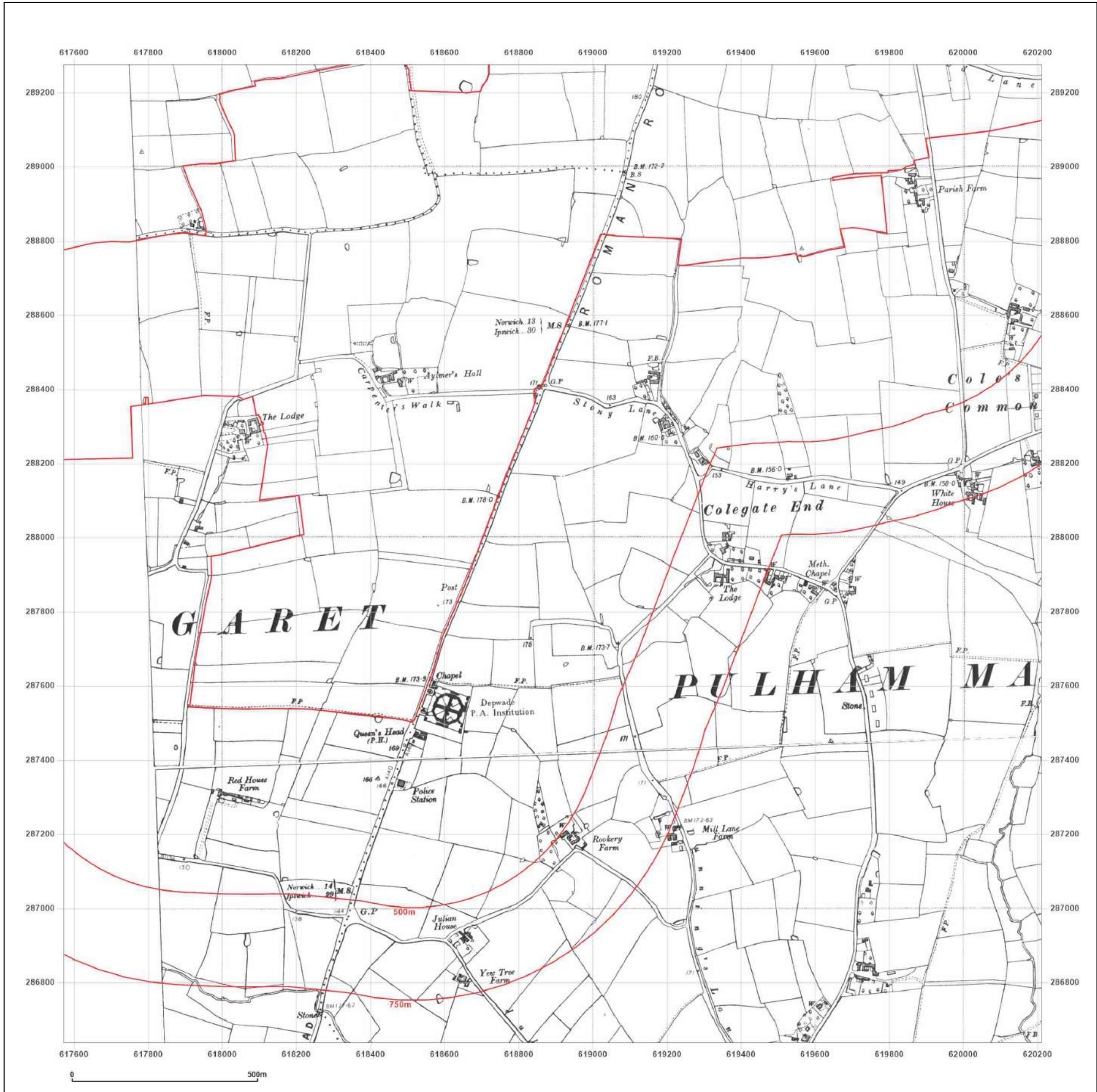
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**Grid Ref:** 618891, 287956

**Map Name:** County Series

**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Revised 1946  
 Edition N/A  
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**Site Details:**

Long Stratton

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**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_1  
**Grid Ref:** 618891, 287956

**Map Name:** Provisional

**Map date:** 1951

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Revised 1951  
 Edition N/A  
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 Edition N/A  
 Copyright N/A  
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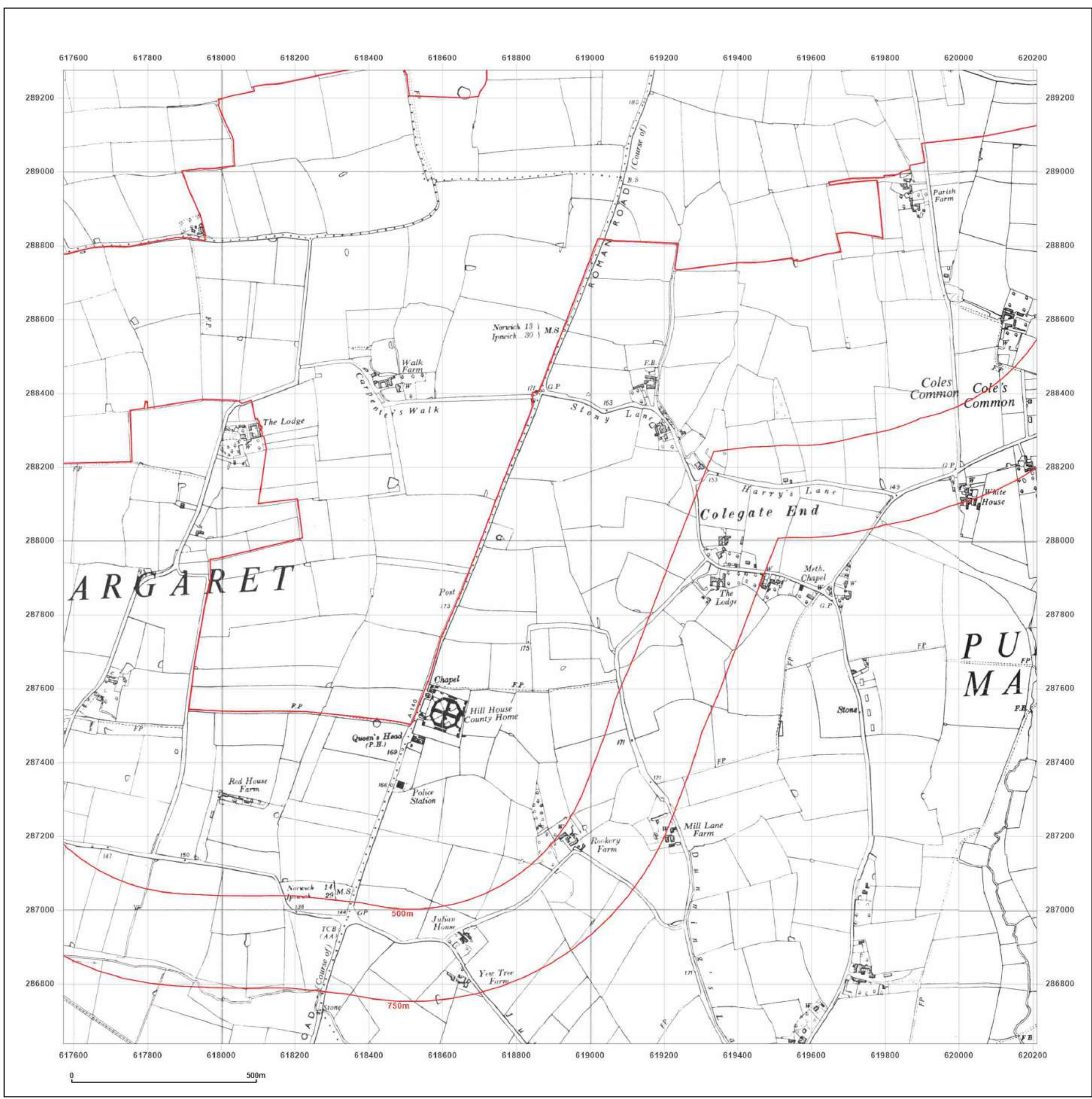


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**Site Details:**

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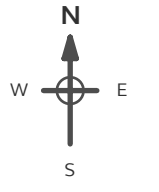
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**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_1  
**Grid Ref:** 618891, 287956

**Map Name:** National Grid

**Map date:** 1983

**Scale:** 1:10,000

**Printed at:** 1:10,000



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 Revised 1983  
 Edition N/A  
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Surveyed 1977  
 Revised 1983  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

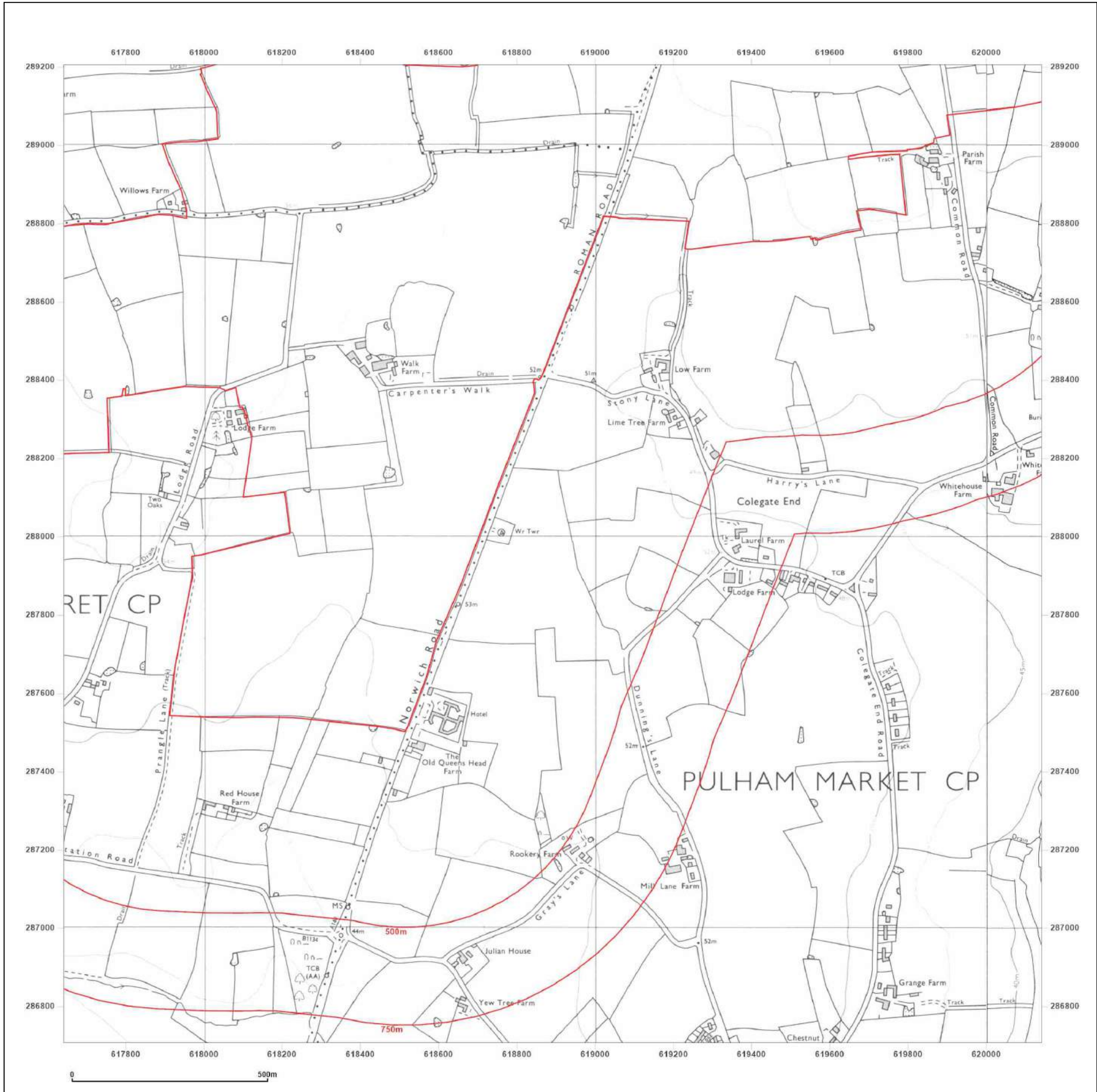


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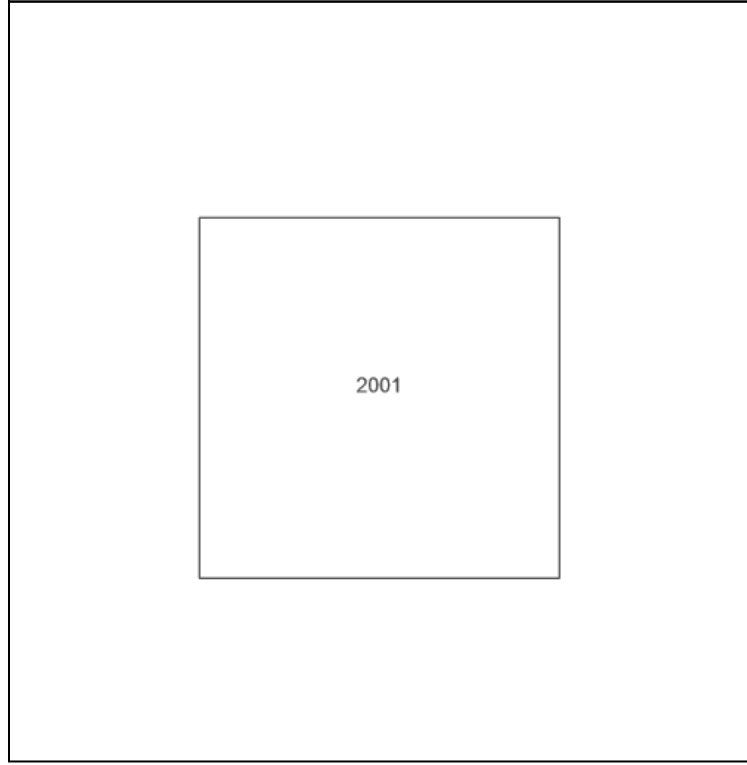
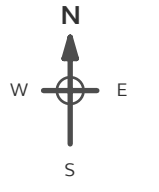
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**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

**Printed at:** 1:10,000

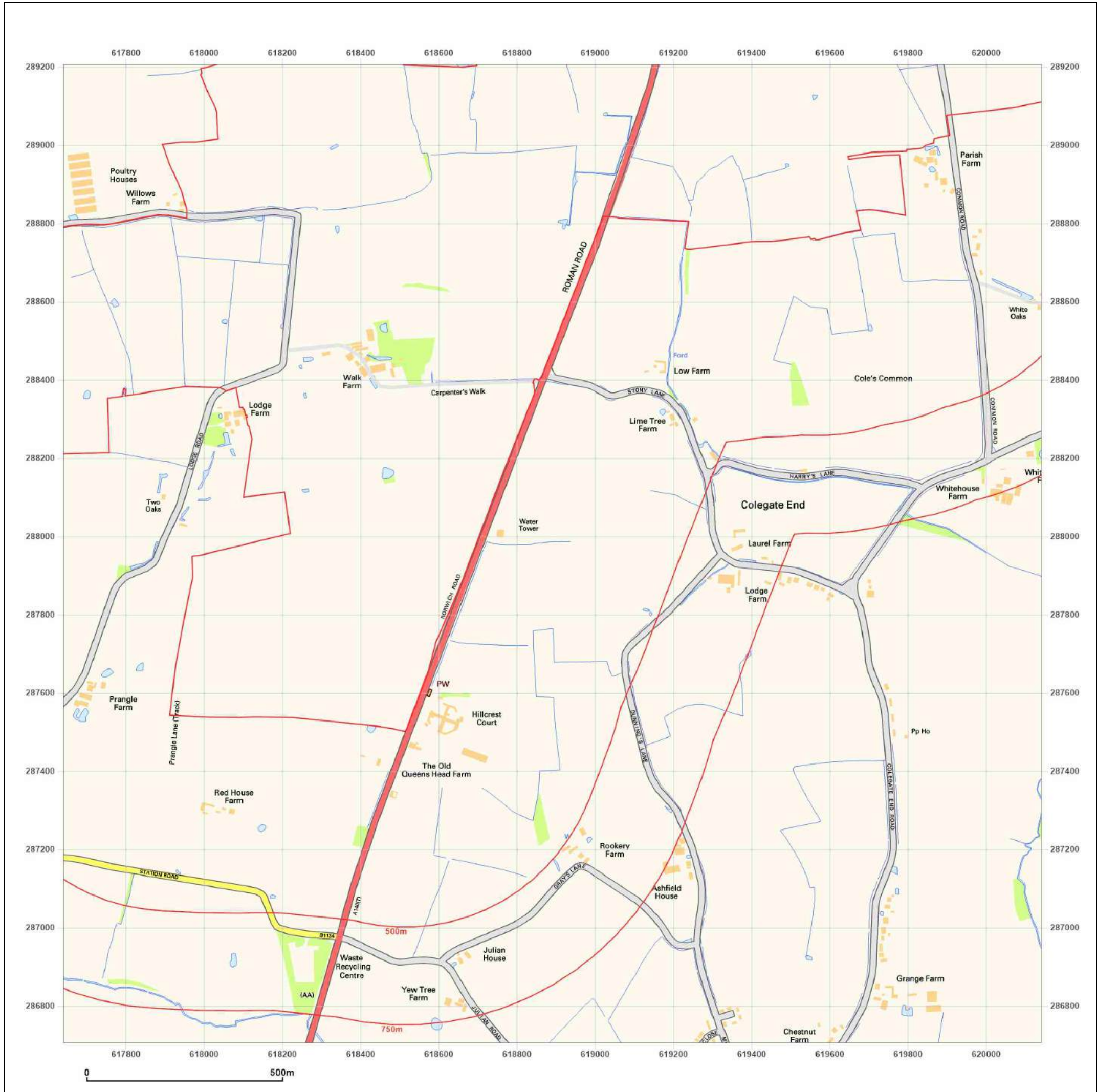


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**Site Details:**

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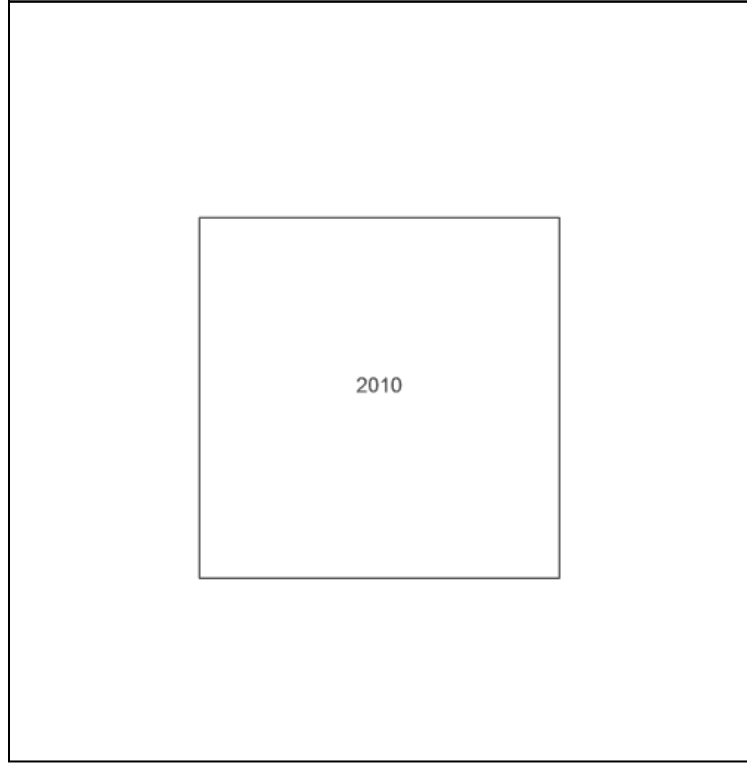
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**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

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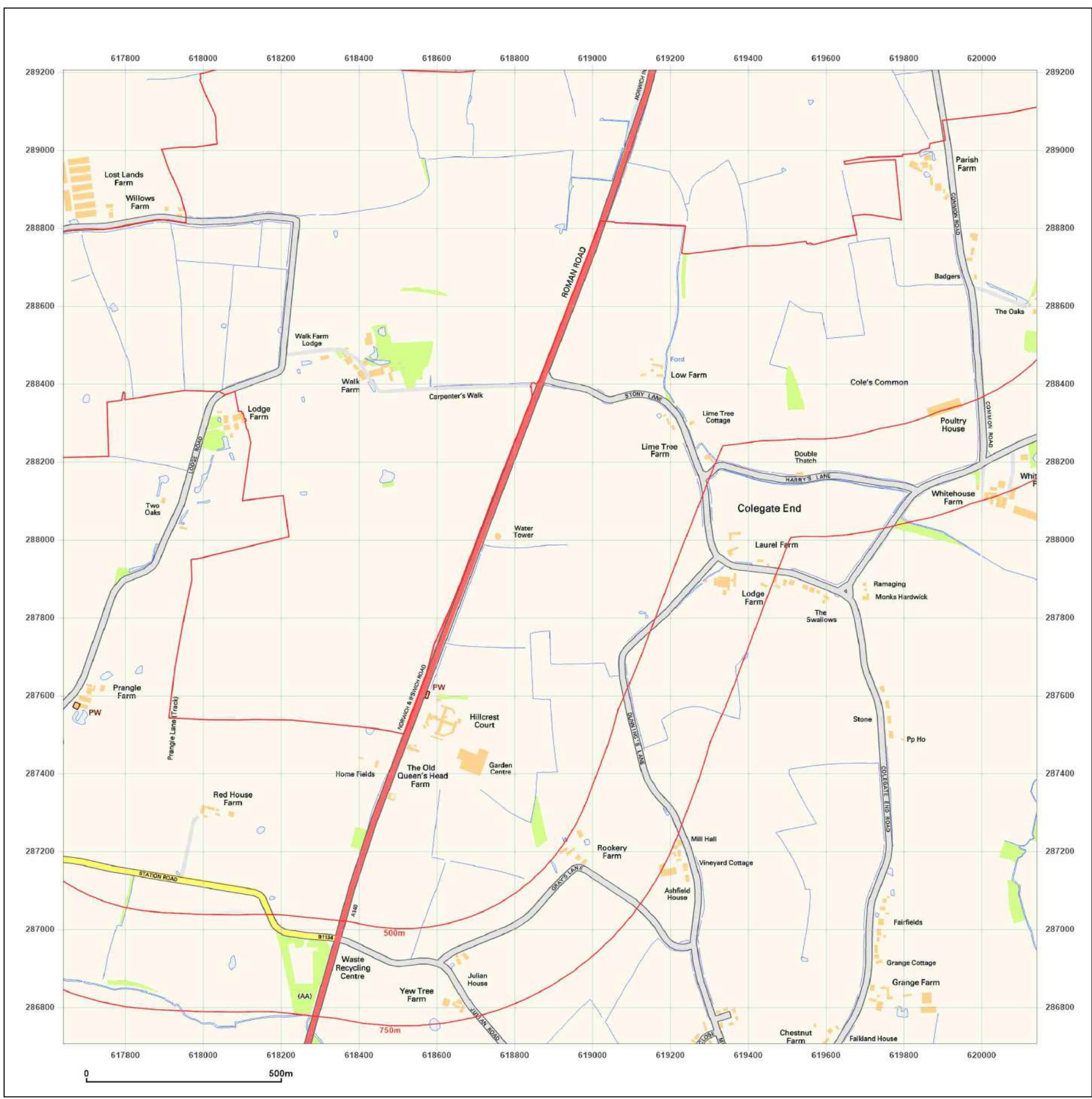


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**Site Details:**

Long Stratton

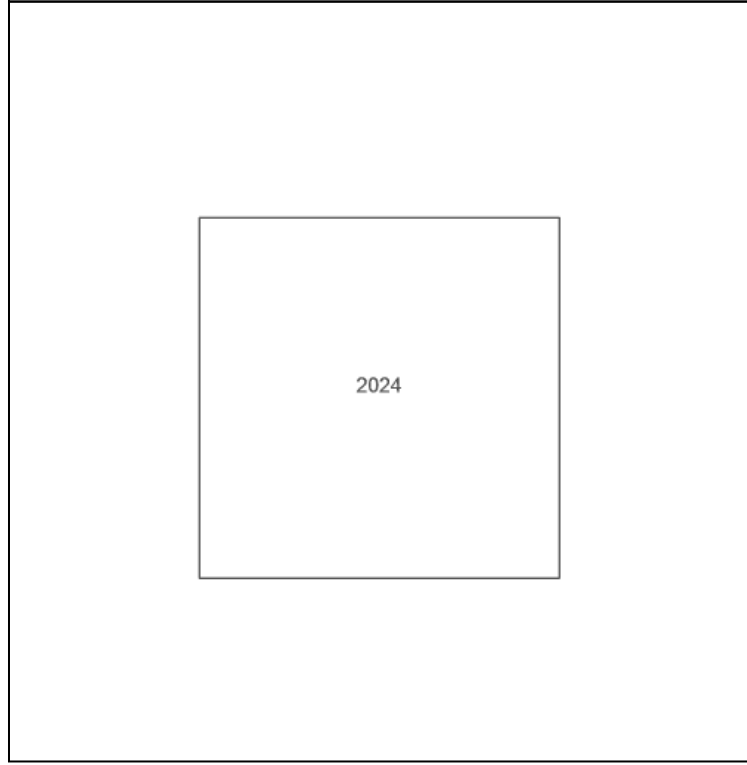
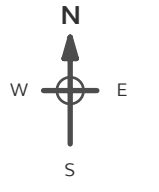
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**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_1  
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**Map date:** 2024

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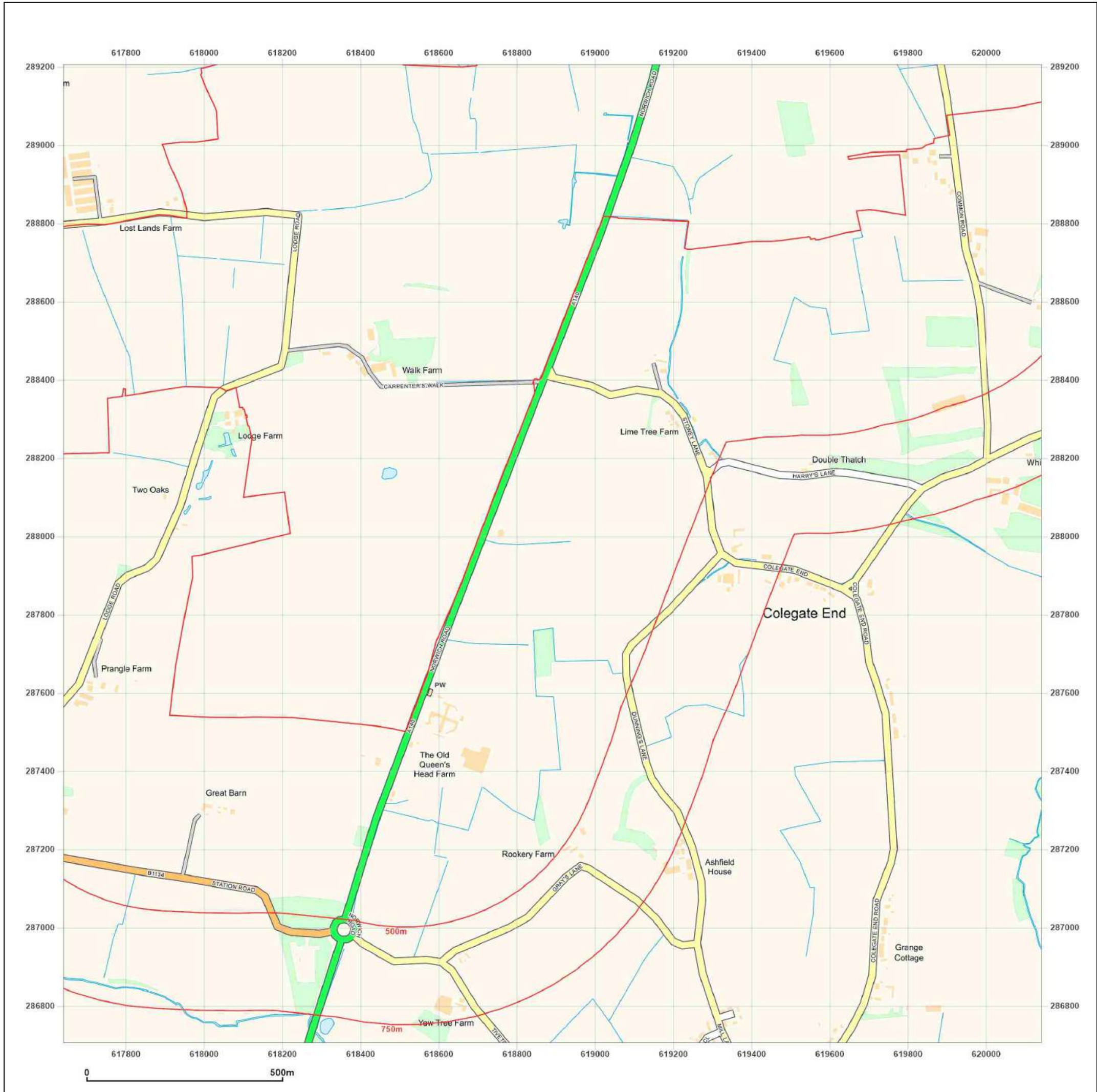


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**Site Details:**

Long Stratton

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**Grid Ref:** 618891, 290456

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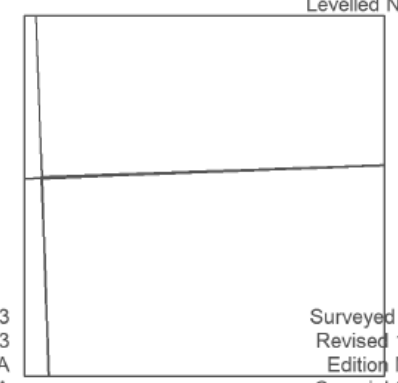
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Surveyed 1883  
 Revised 1883  
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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_2  
**Grid Ref:** 618891, 290456

**Map Name:** County Series

**Map date:** 1904-1906

**Scale:** 1:10,560

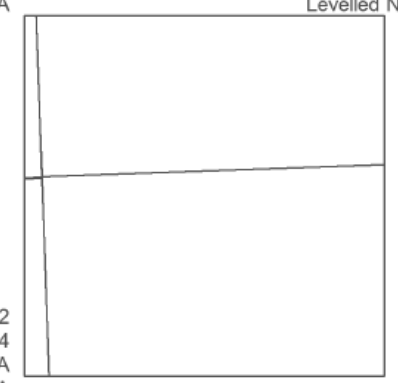
**Printed at:** 1:10,560



Surveyed 1882  
 Revised 1904  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1883  
 Revised 1906  
 Edition 1906  
 Copyright N/A  
 Levelled N/A

Surveyed 1882  
 Revised 1904  
 Edition N/A  
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**Site Details:**

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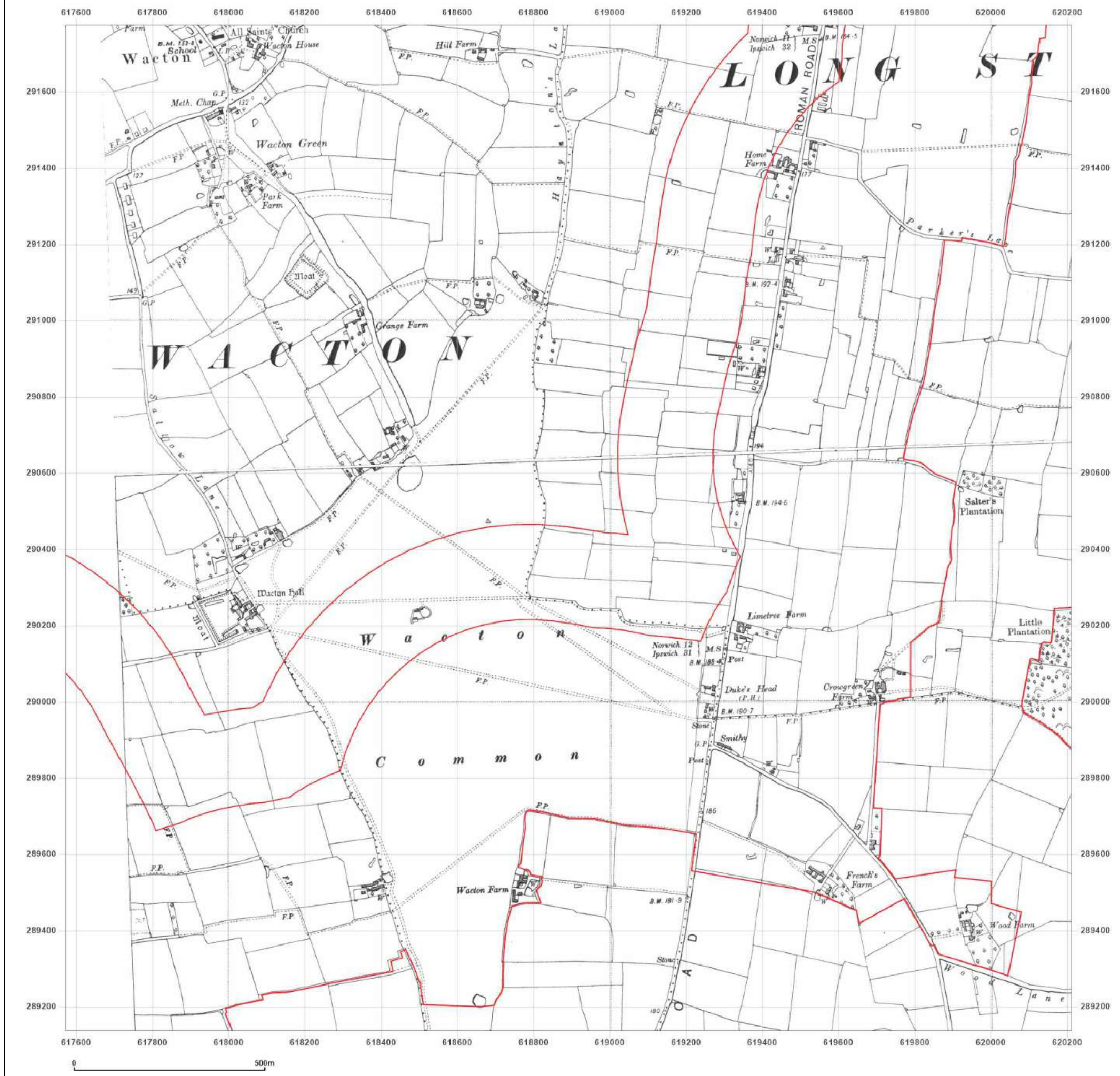
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**Grid Ref:** 618891, 290456

**Map Name:** County Series

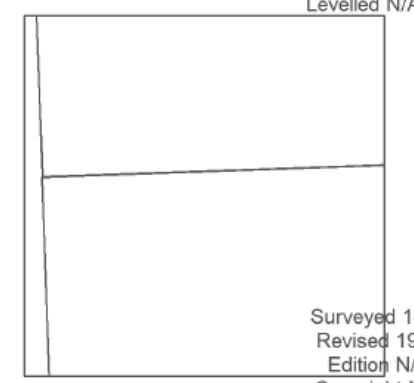
**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



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**Site Details:**

Long Stratton

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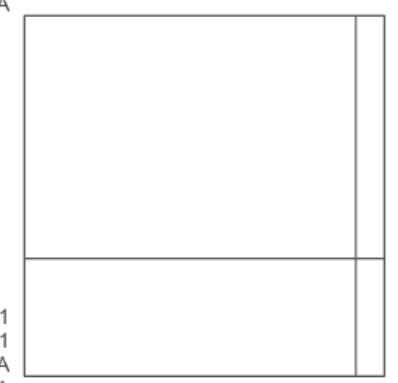
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**Scale:** 1:10,560

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Surveyed 1953  
 Revised 1953  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1951  
 Revised 1951  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

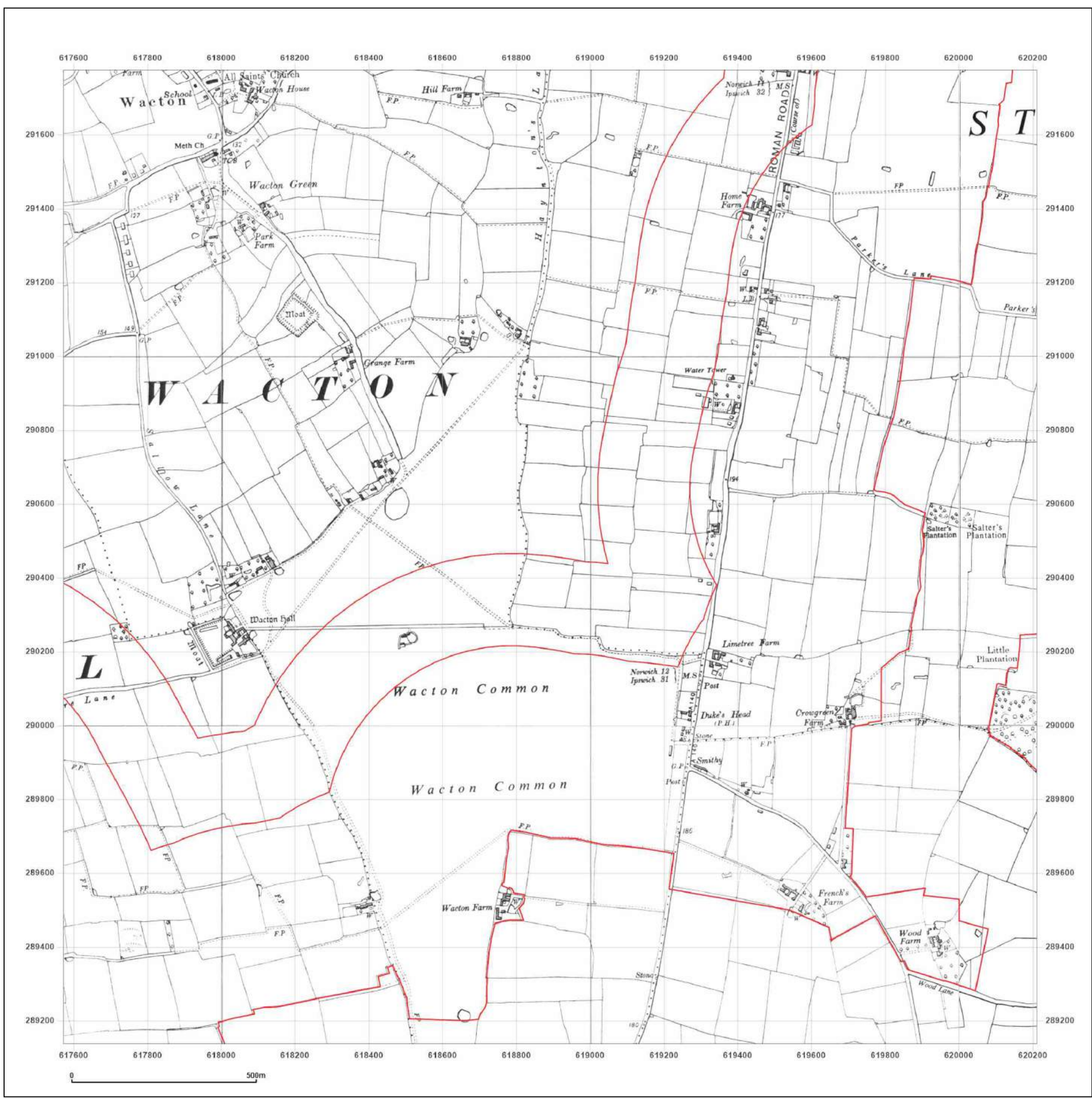


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**Site Details:**

Long Stratton

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**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_2  
**Grid Ref:** 618891, 290456

**Map Name:** National Grid

**Map date:** 1979-1983

**Scale:** 1:10,000

**Printed at:** 1:10,000



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 Revised 1979  
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Surveyed 1979  
 Revised 1983  
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Surveyed 1977  
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 Edition N/A  
 Copyright N/A  
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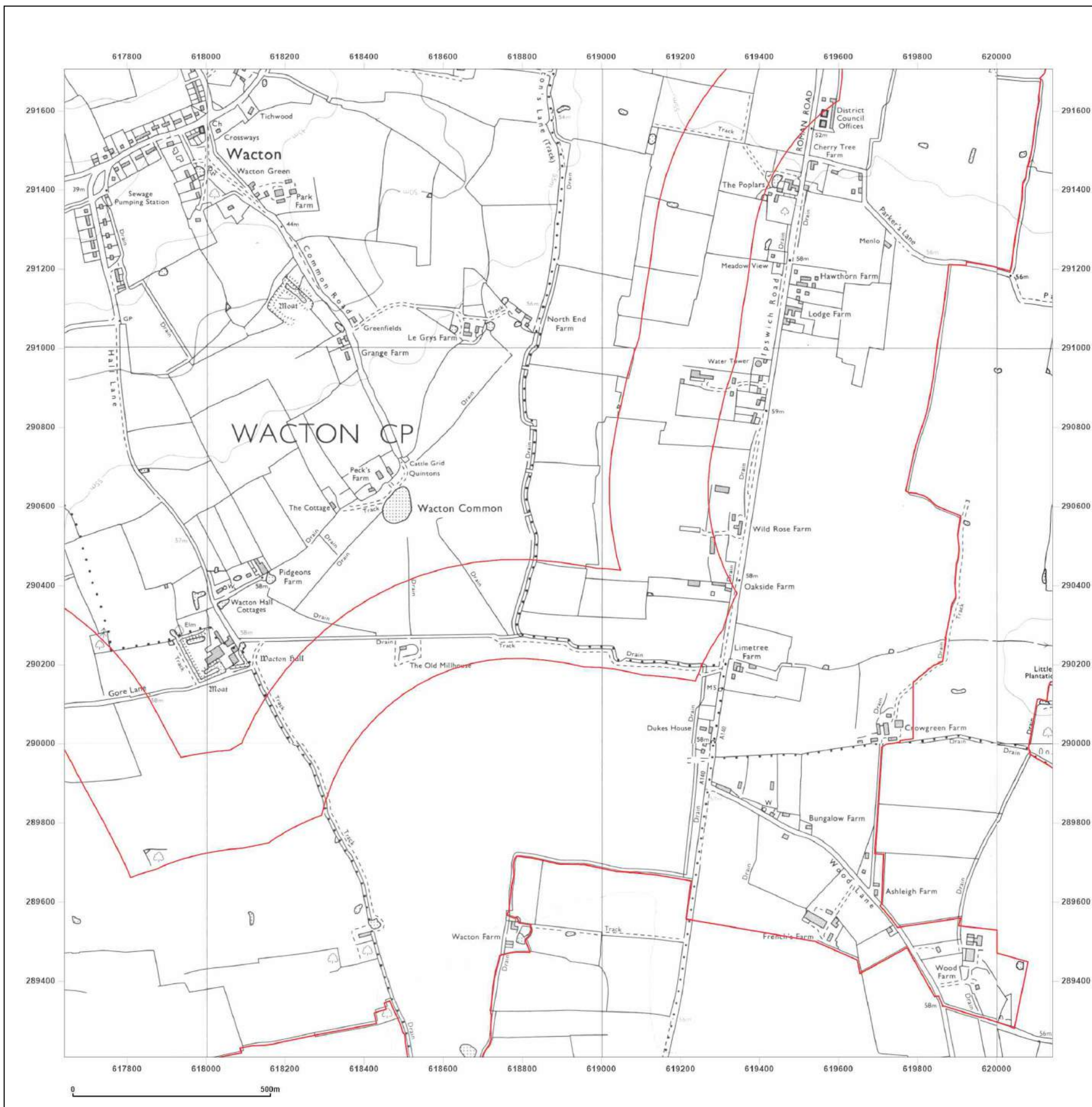


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**Site Details:**

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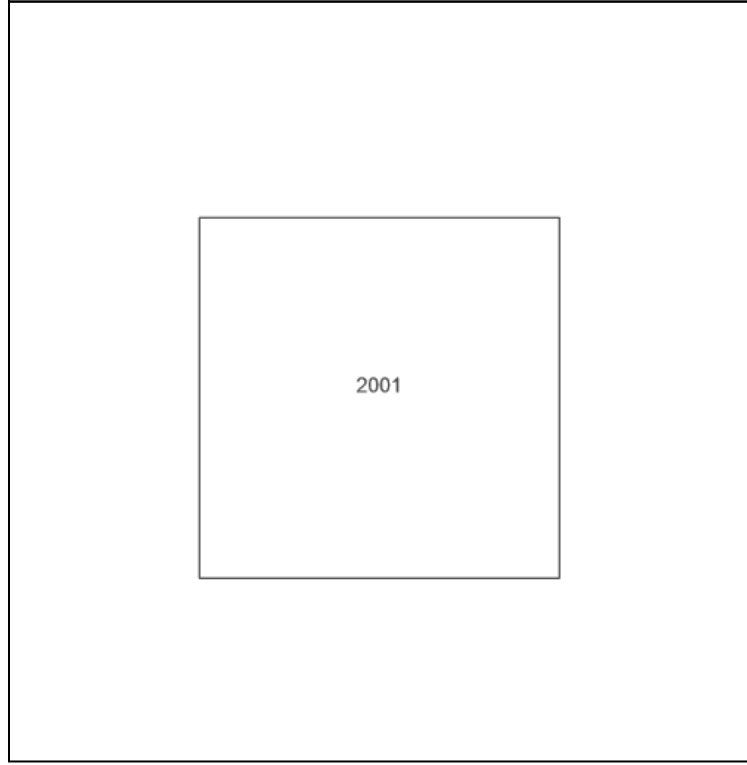
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**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

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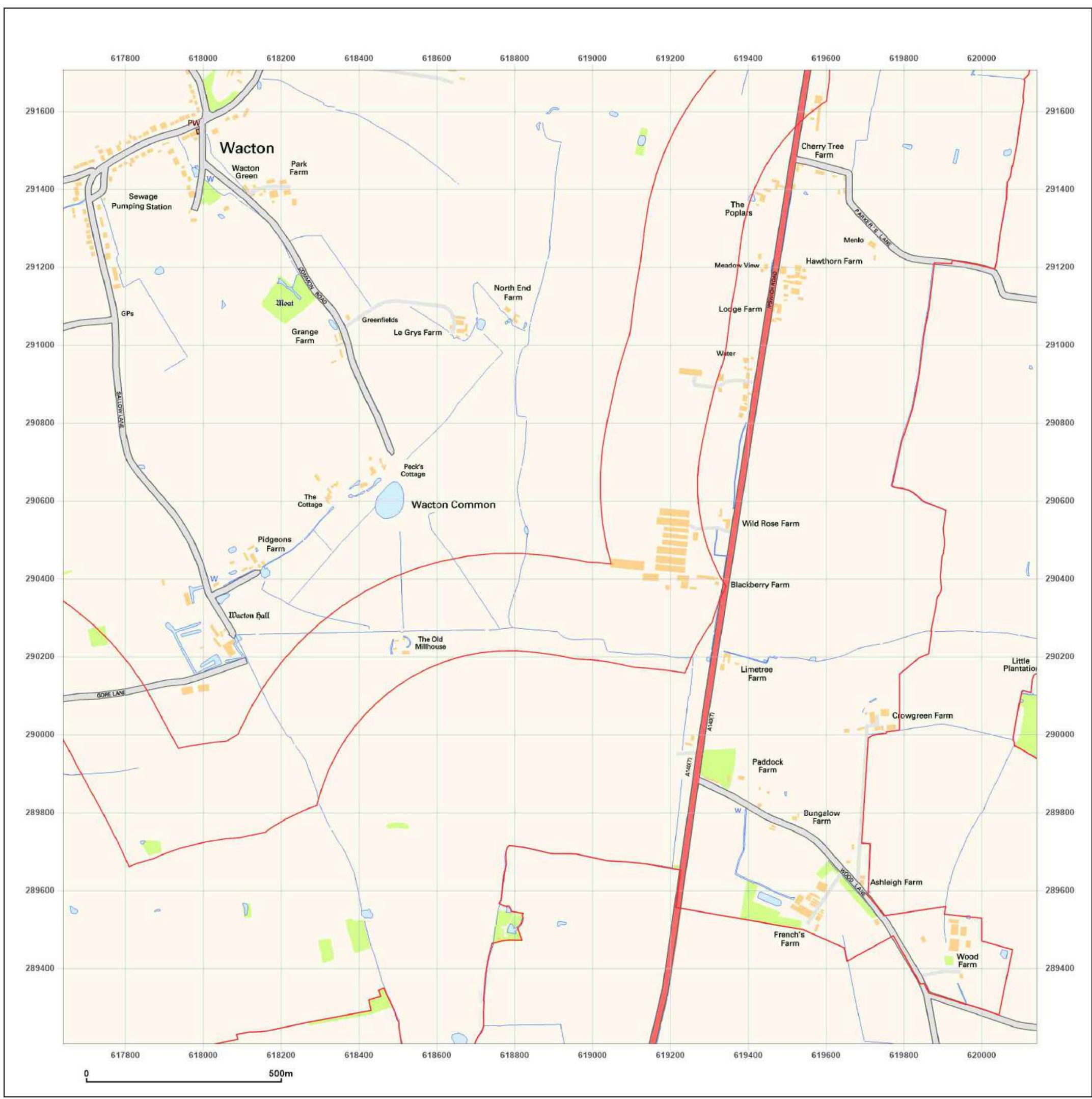


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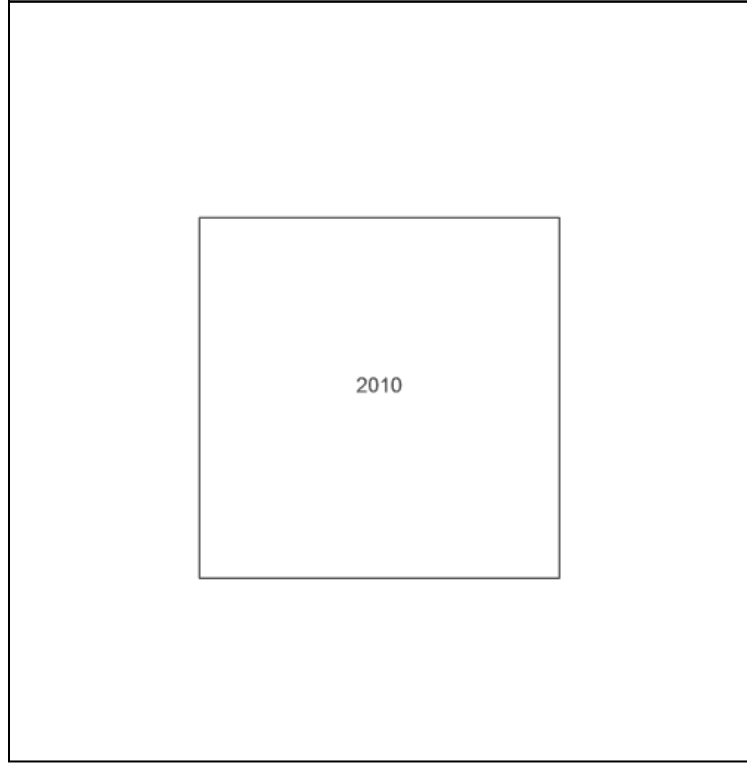
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**Grid Ref:** 618891, 290456

**Map Name:** National Grid

**Map date:** 2010

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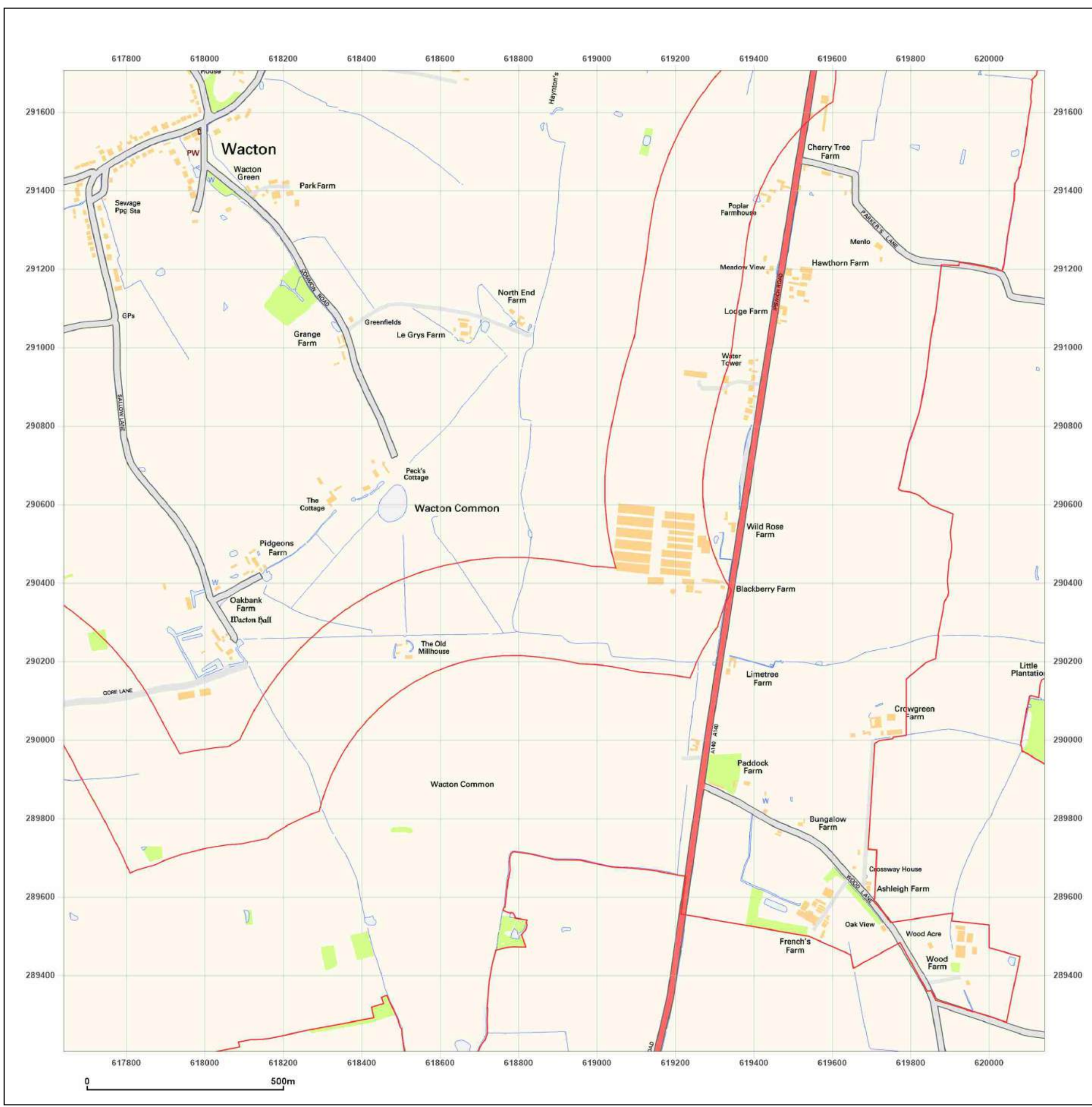


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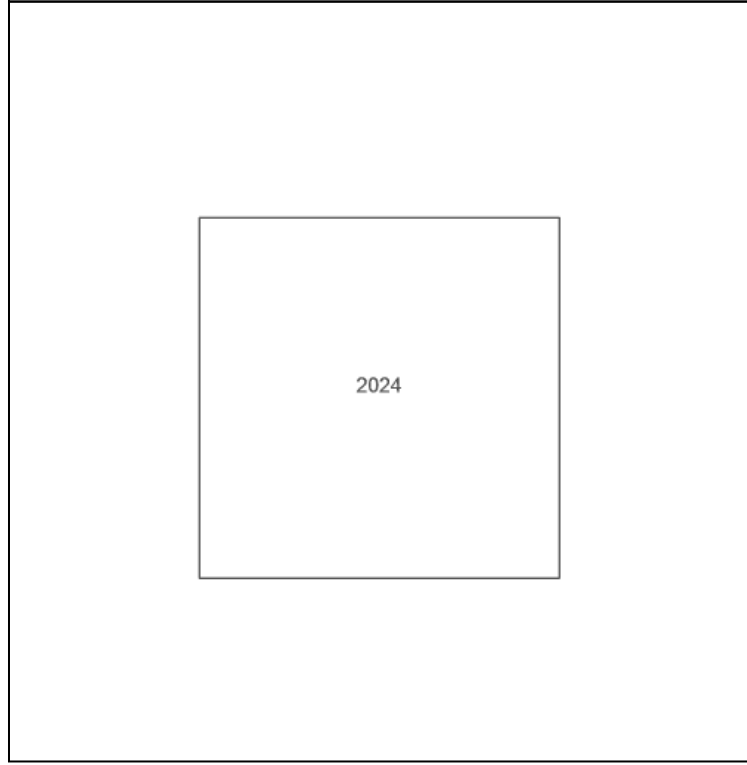
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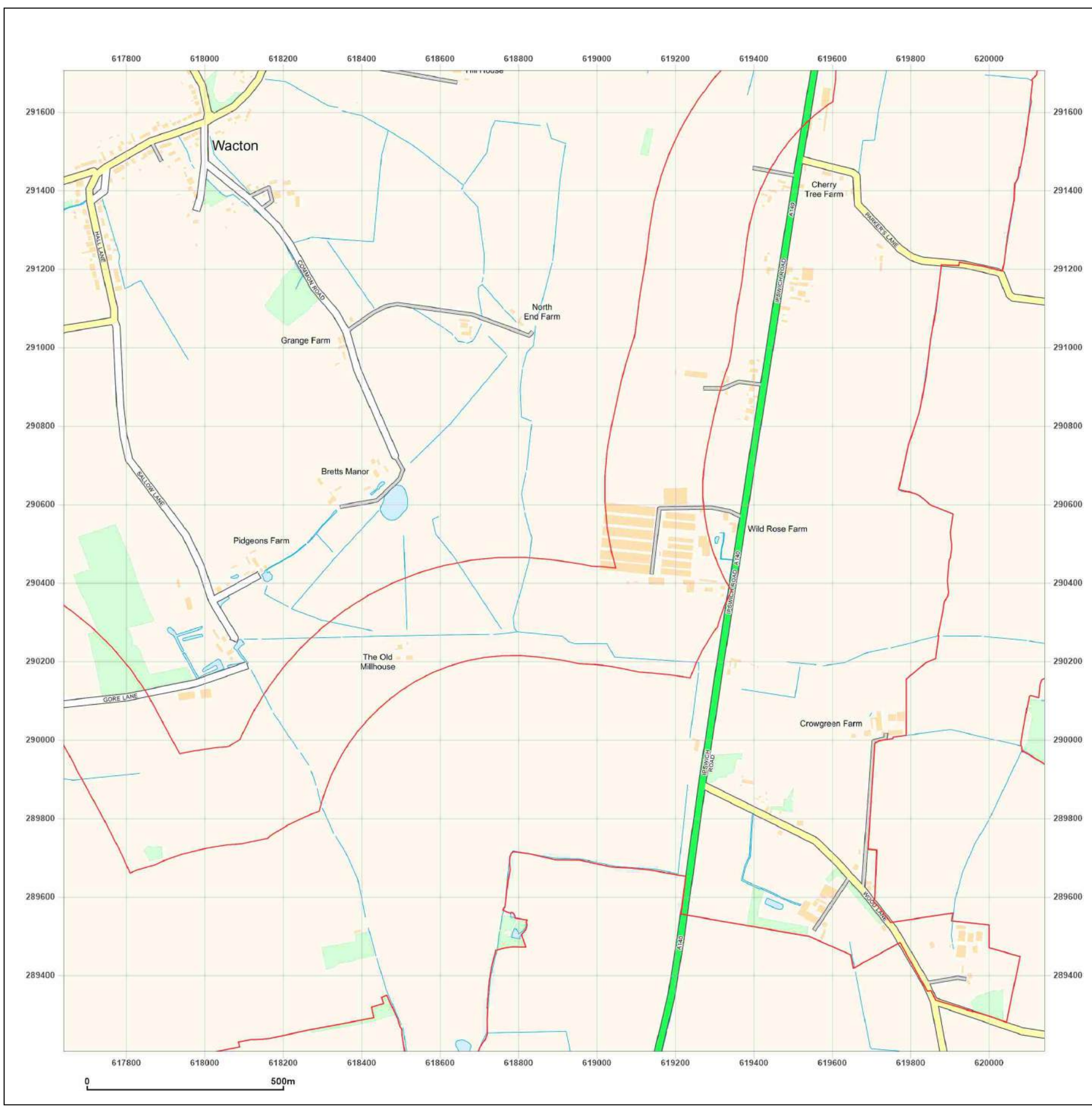


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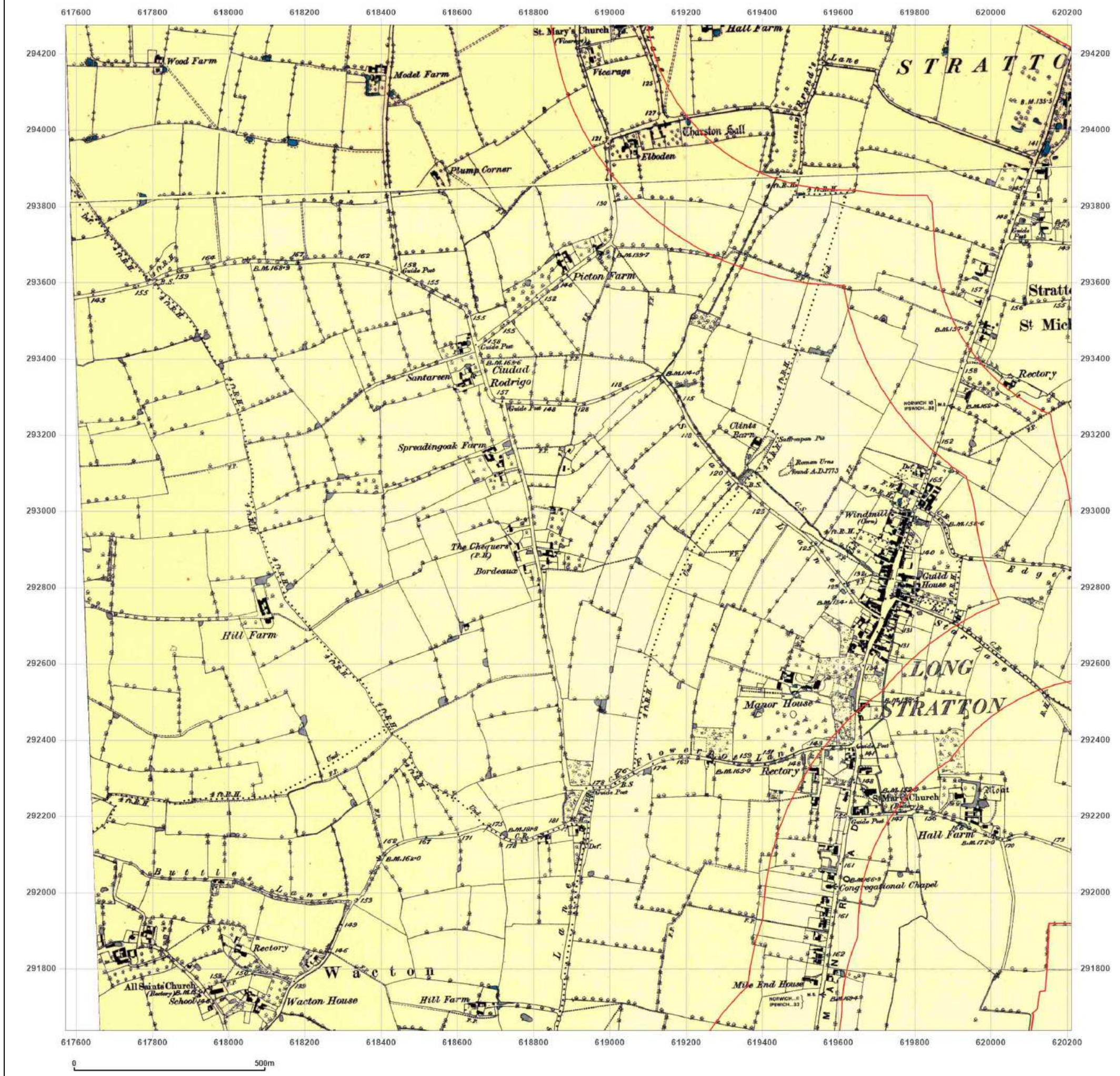
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**Map Name:** County Series

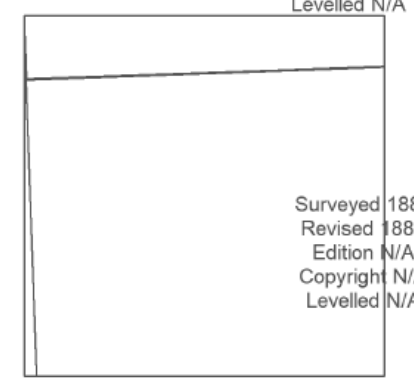
**Map date:** 1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Edition N/A  
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**Site Details:**

Long Stratton

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**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_3  
**Grid Ref:** 618891, 292956

**Map Name:** County Series

**Map date:** 1904-1906

**Scale:** 1:10,560

**Printed at:** 1:10,560



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Edition N/A  
Copyright N/A  
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Surveyed 1883  
Revised 1906  
Edition 1906  
Copyright N/A  
Levelled N/A

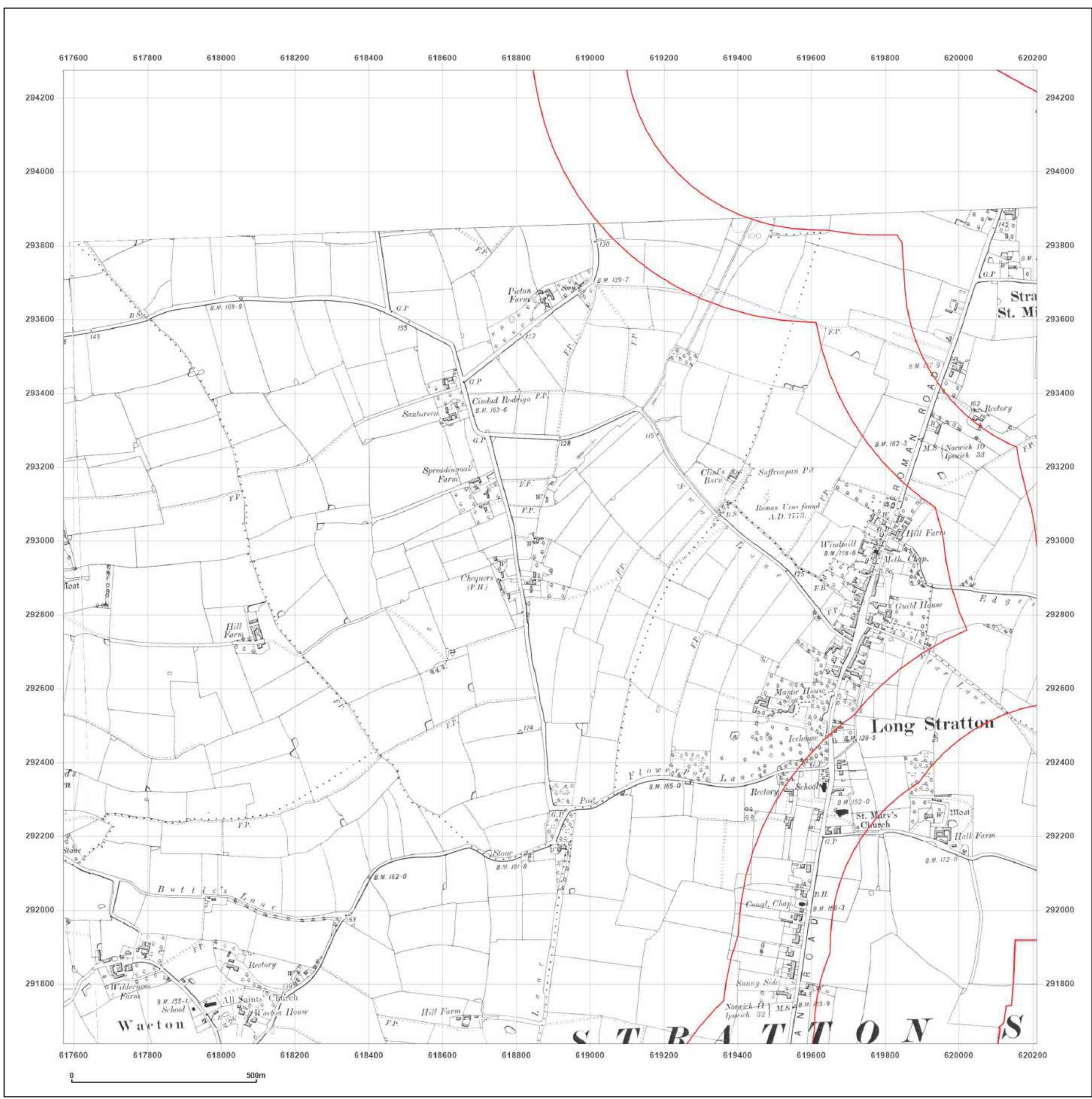


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**Site Details:**

Long Stratton

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**Map Name:** County Series

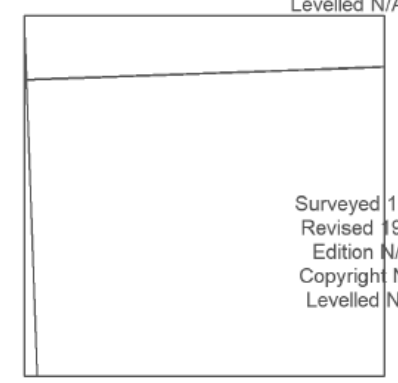
**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1881  
 Revised 1946  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1883  
 Revised 1946  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

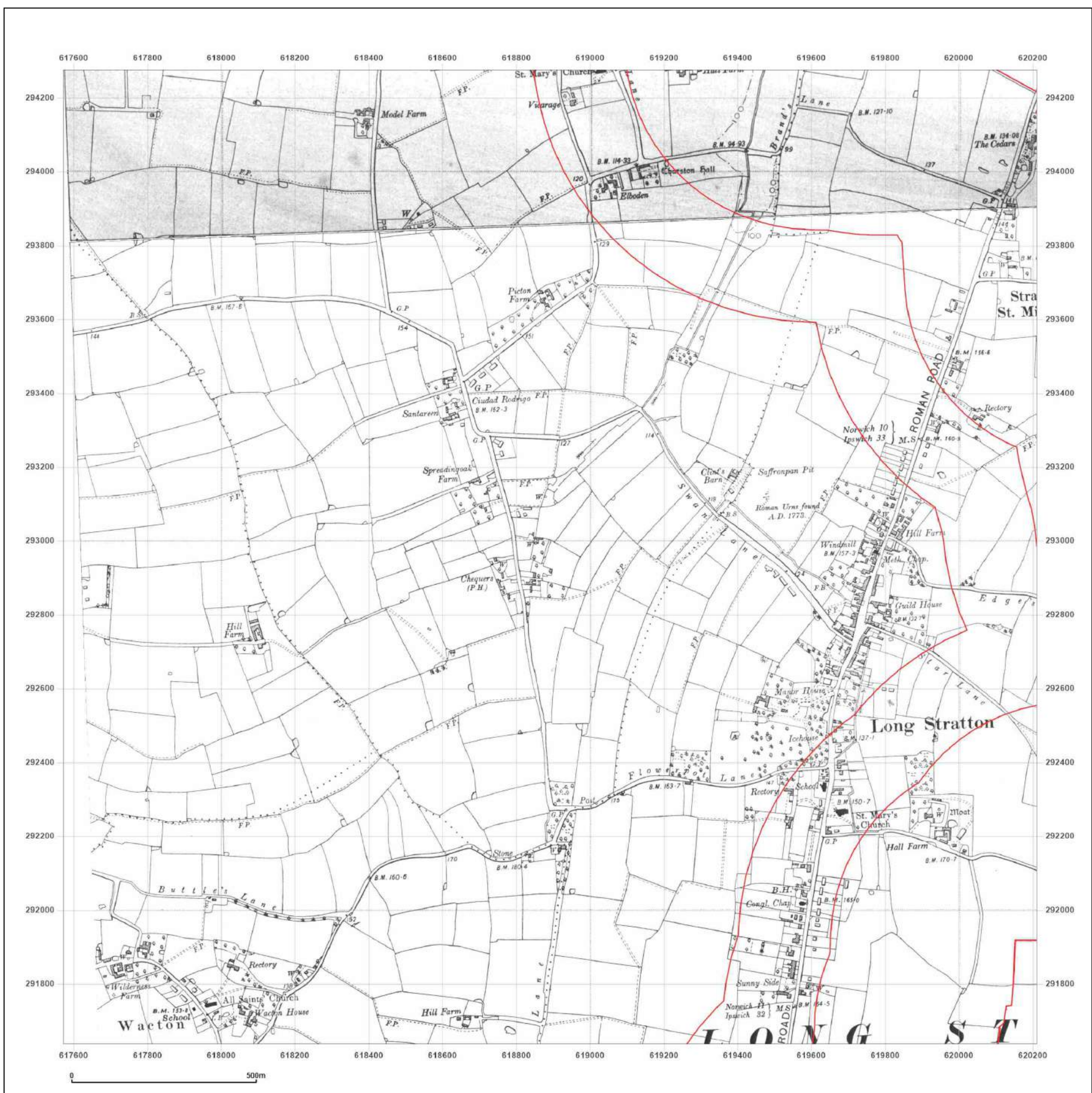


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**Site Details:**

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**Map Name:** Provisional

**Map date:** 1951-1953

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1951  
 Revised 1951  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

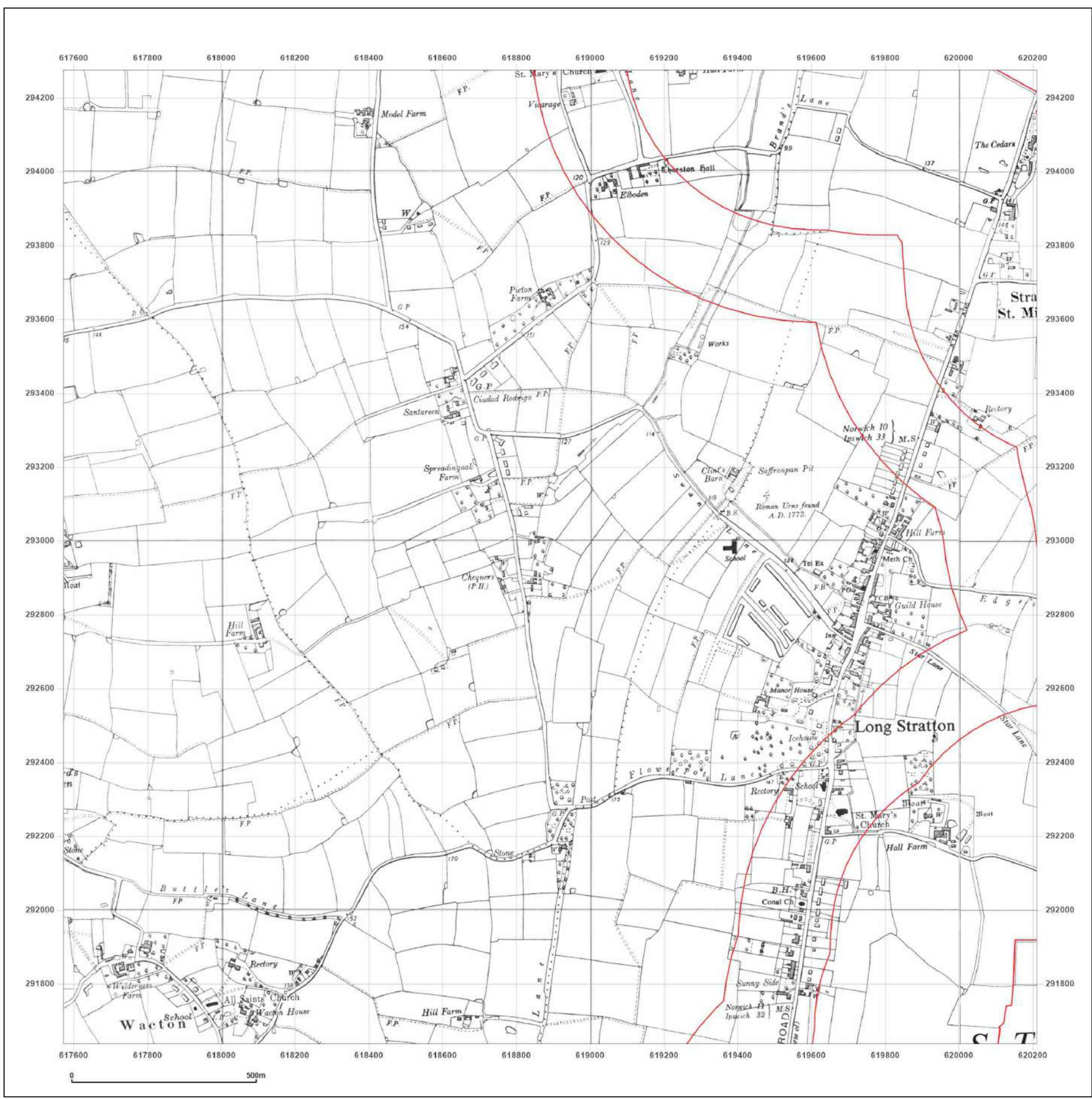


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**Site Details:**

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**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_3  
**Grid Ref:** 618891, 292956

**Map Name:** National Grid

**Map date:** 1979

**Scale:** 1:10,000

**Printed at:** 1:10,000



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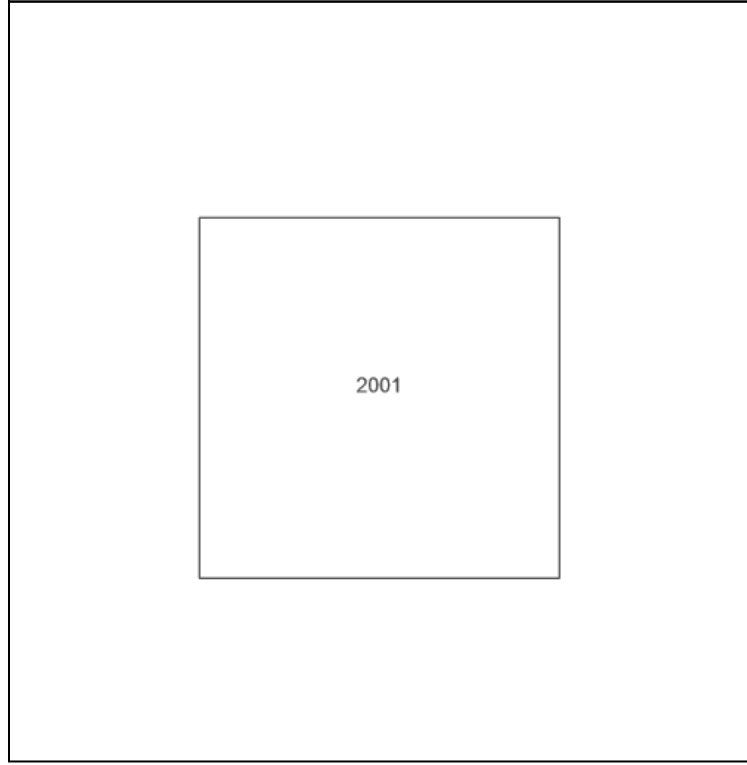
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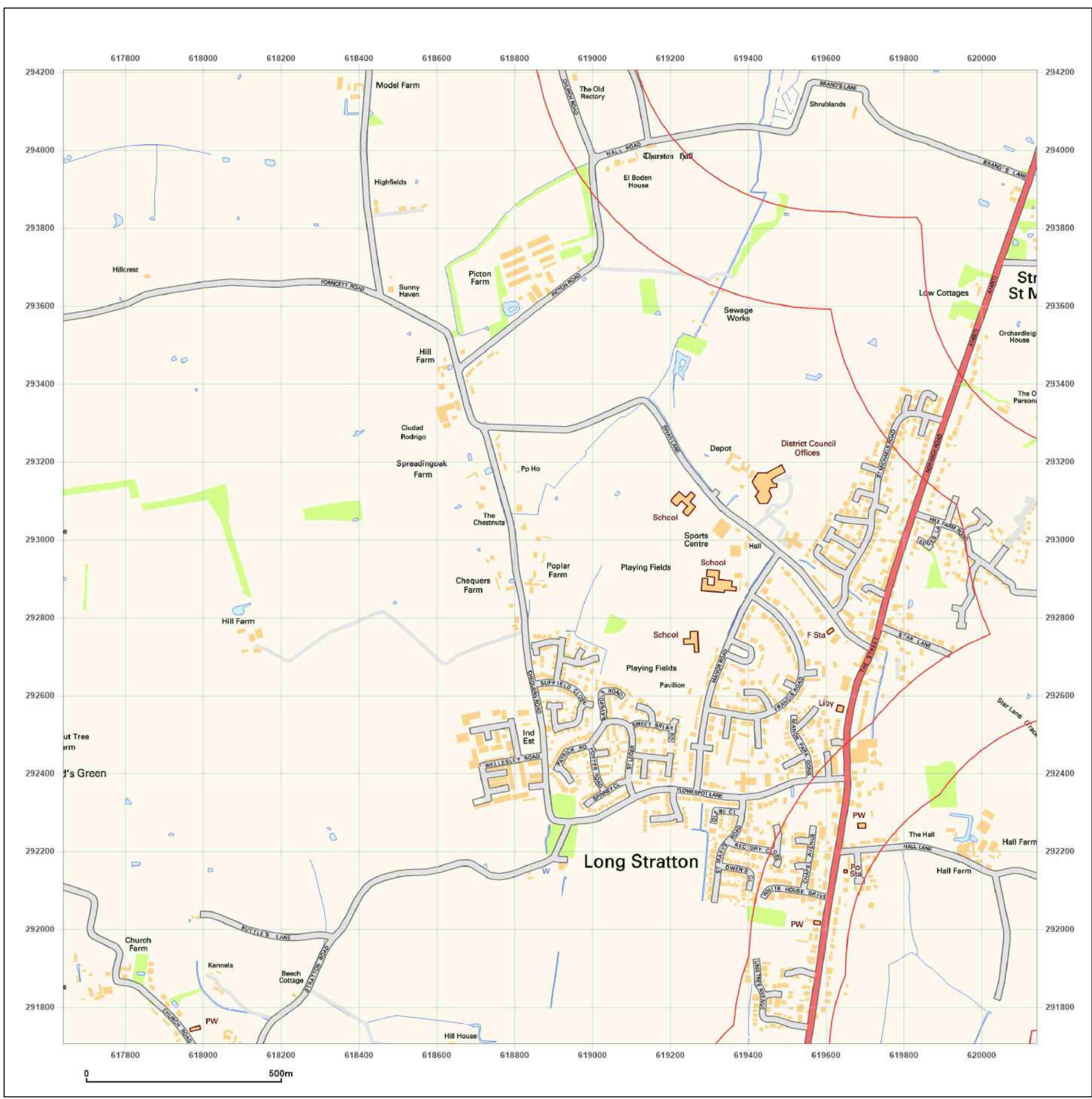


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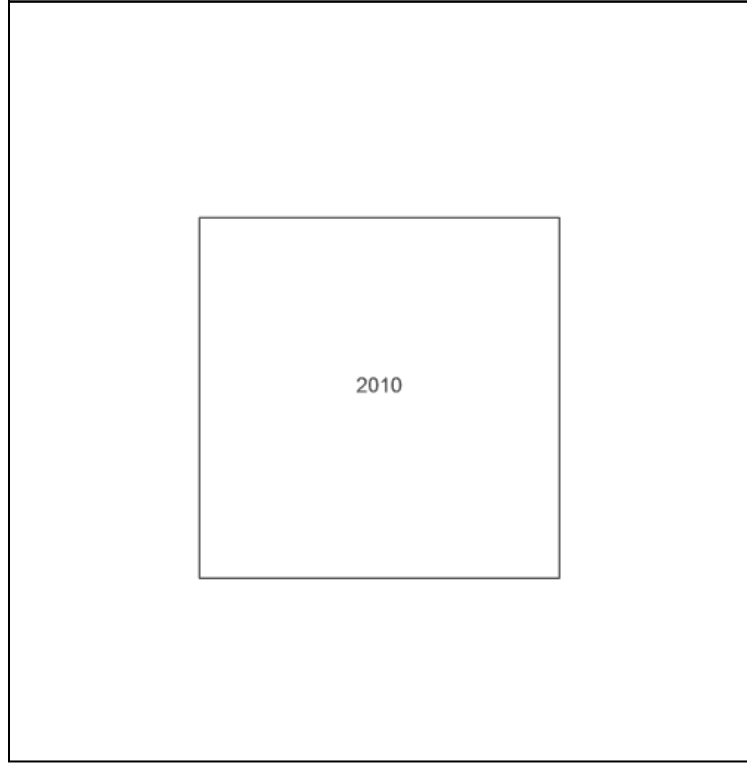
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**Map Name:** National Grid

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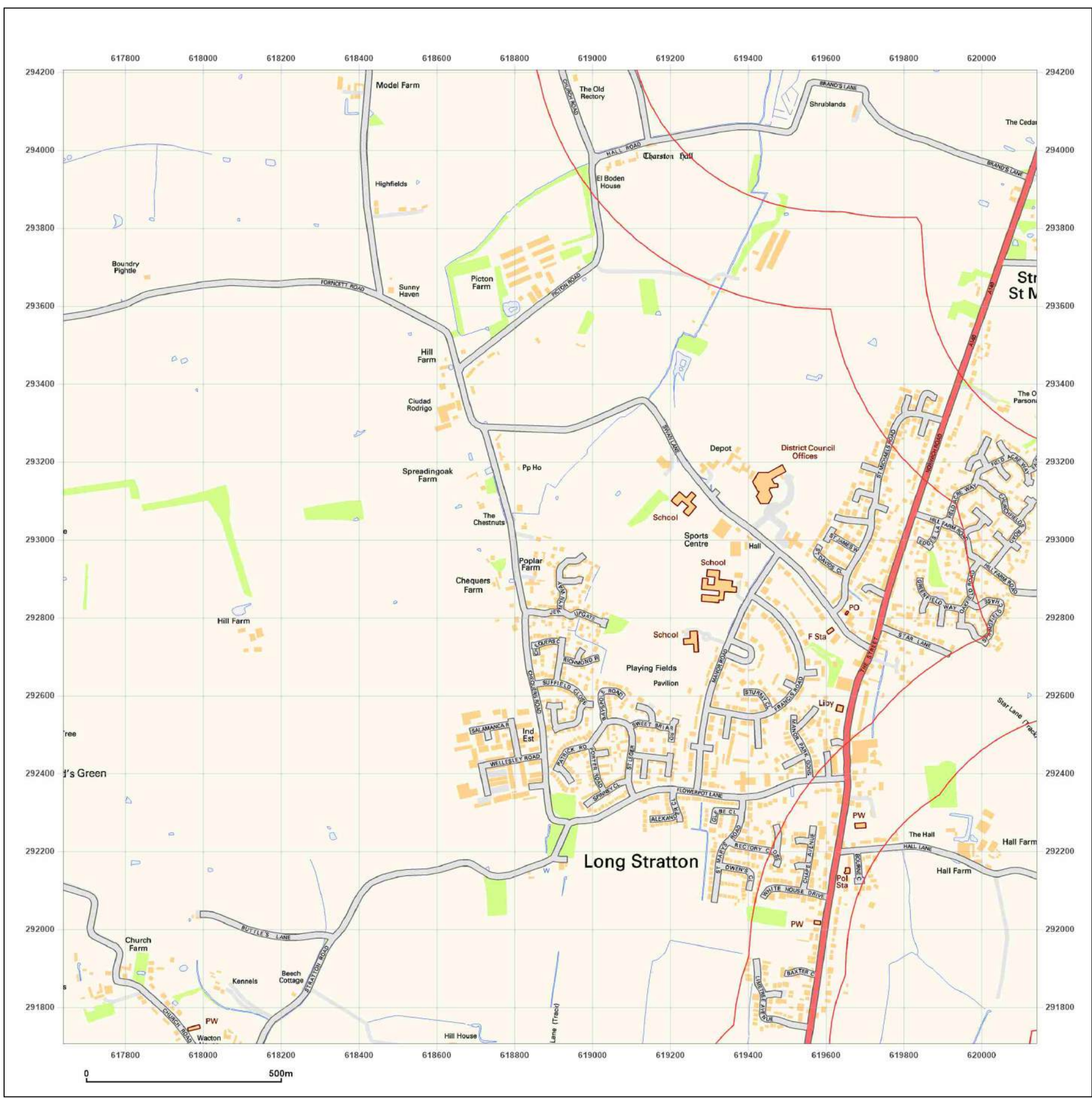


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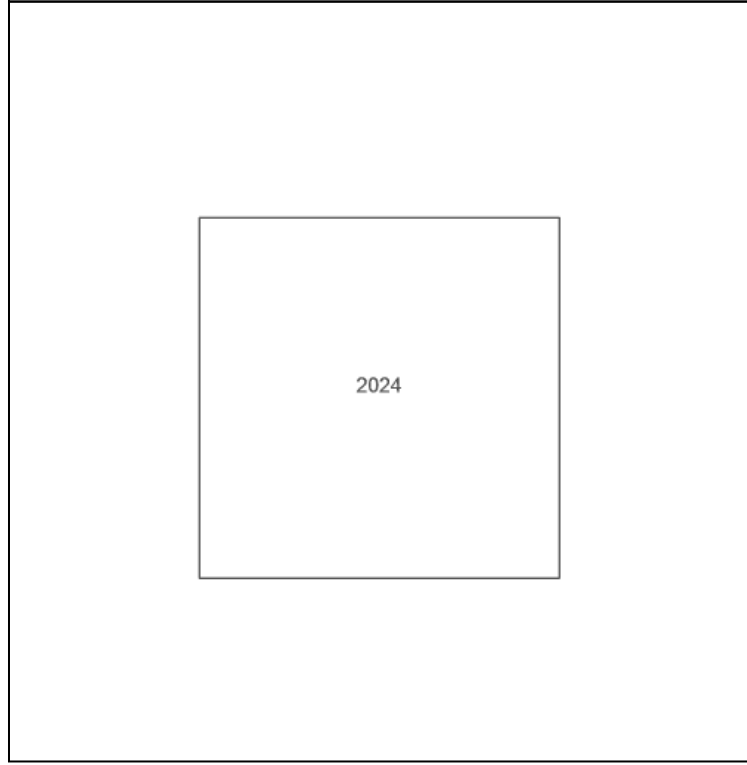
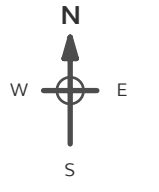
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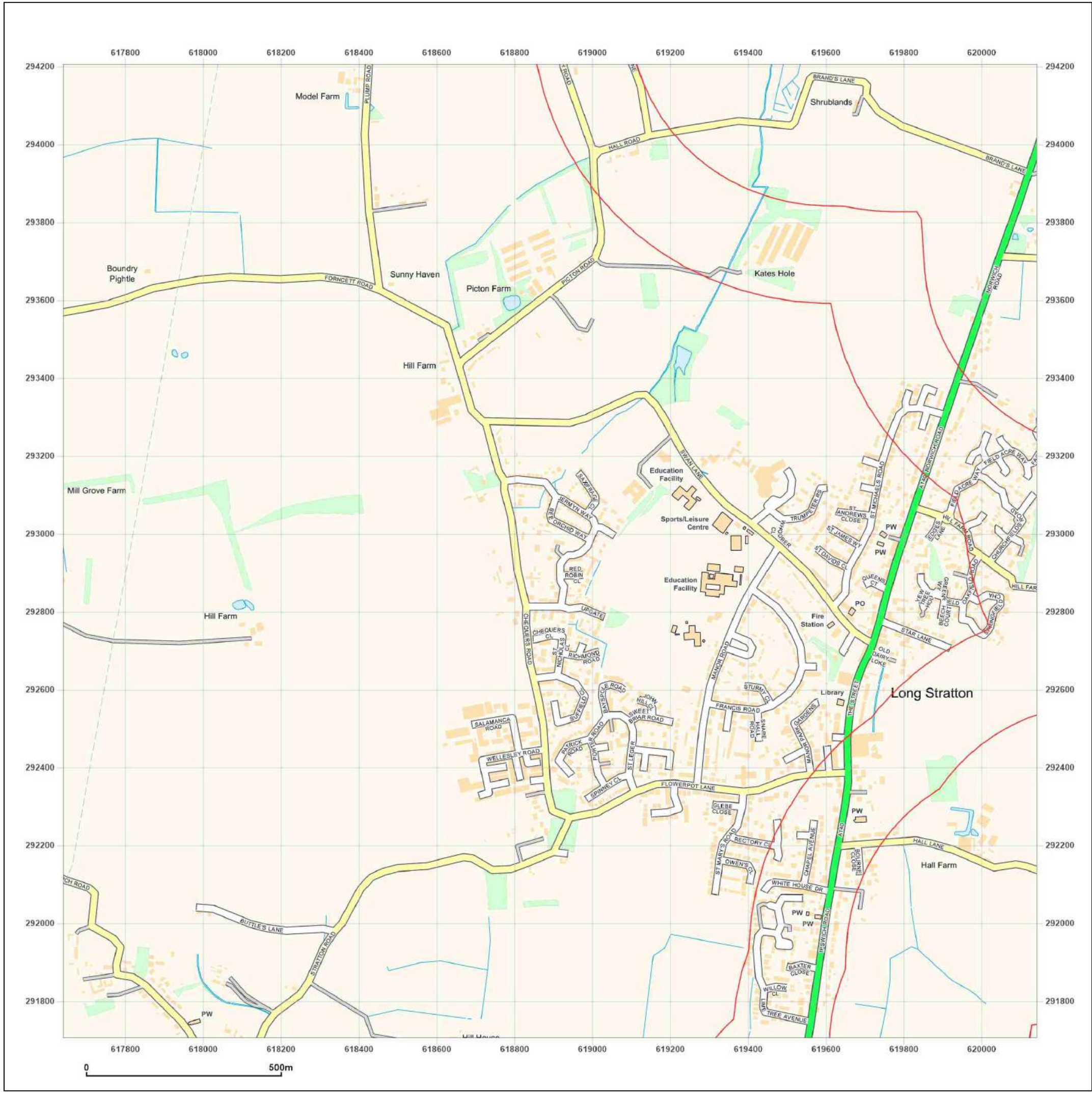


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**Site Details:**

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**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_4  
**Grid Ref:** 618891, 295456

**Map Name:** County Series

**Map date:** 1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_4  
**Grid Ref:** 618891, 295456

**Map Name:** County Series

**Map date:** 1907

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1881  
 Revised 1907  
 Edition 1907  
 Copyright N/A  
 Levelled N/A

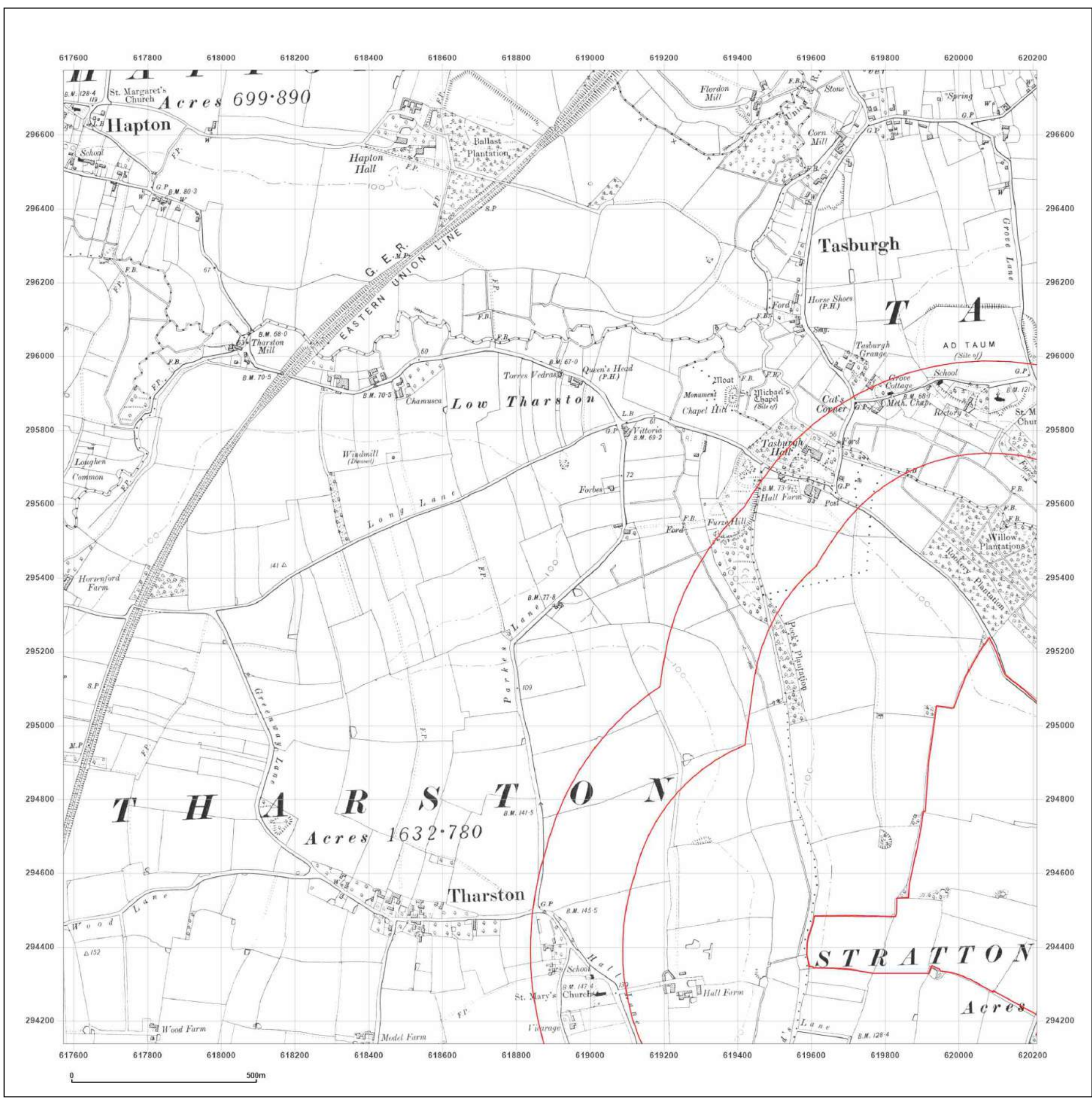


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**Site Details:**

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**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_4  
**Grid Ref:** 618891, 295456

**Map Name:** County Series

**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1881  
 Revised 1946  
 Edition N/A  
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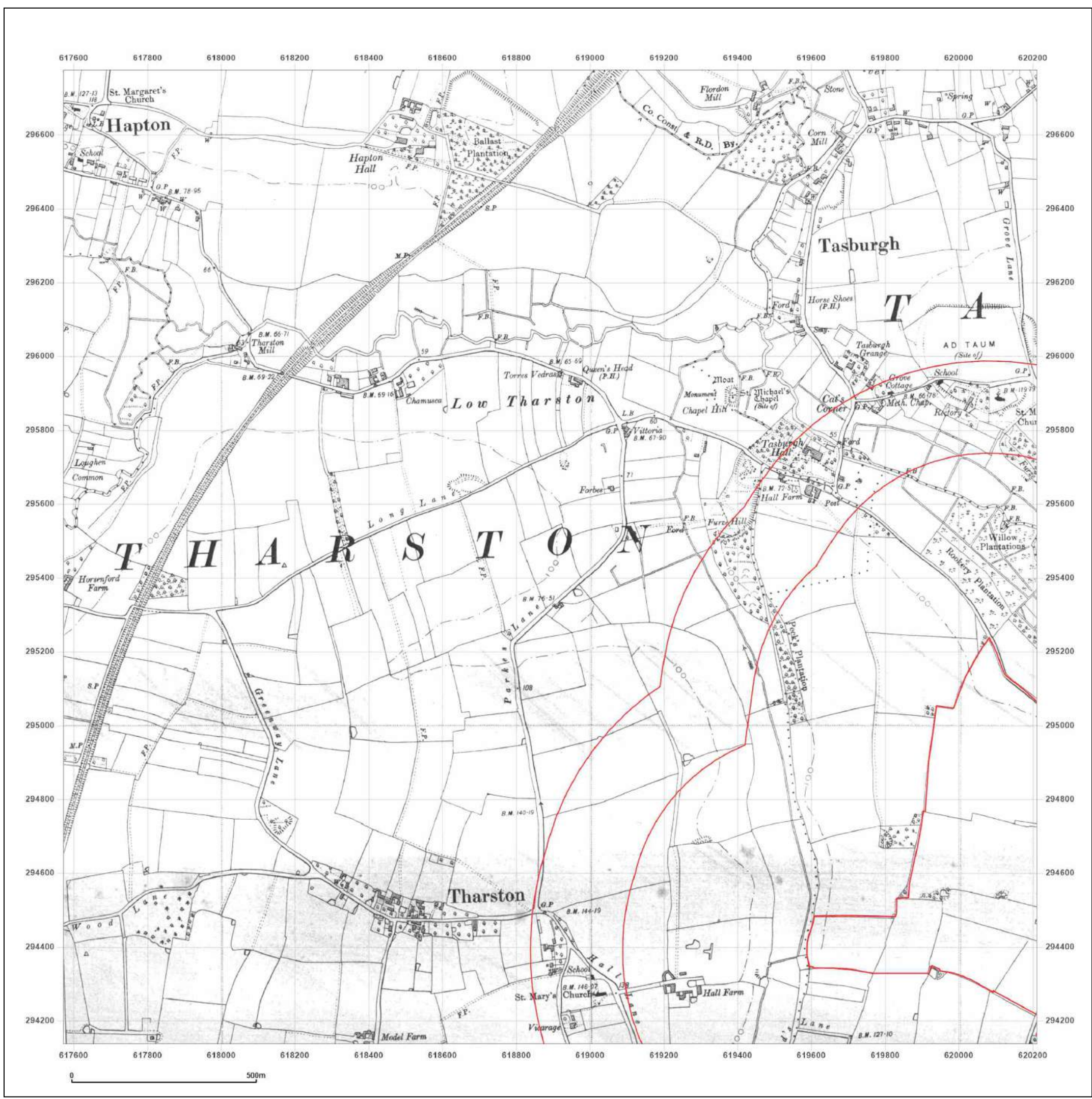


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**Site Details:**

Long Stratton

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**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_4  
**Grid Ref:** 618891, 295456

**Map Name:** Provisional

**Map date:** 1951-1953

**Scale:** 1:10,560

**Printed at:** 1:10,560



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Surveyed 1951  
 Revised 1951  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1953  
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 Levelled N/A

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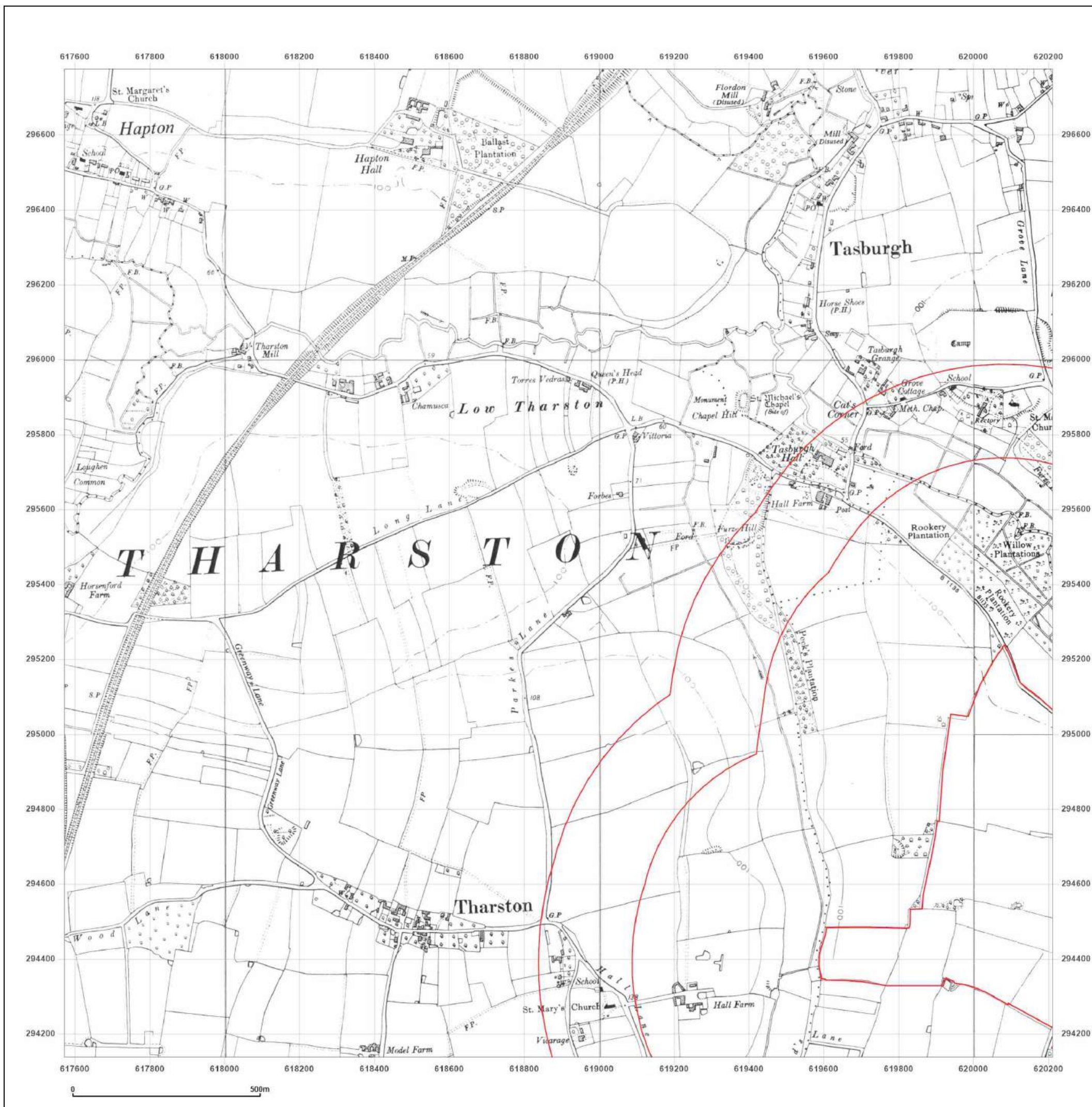


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_4  
**Grid Ref:** 618891, 295456

**Map Name:** National Grid

**Map date:** 1977-1979

**Scale:** 1:10,000

**Printed at:** 1:10,000



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 Revised 1977  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1975  
 Revised 1979  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1976  
 Revised 1979  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

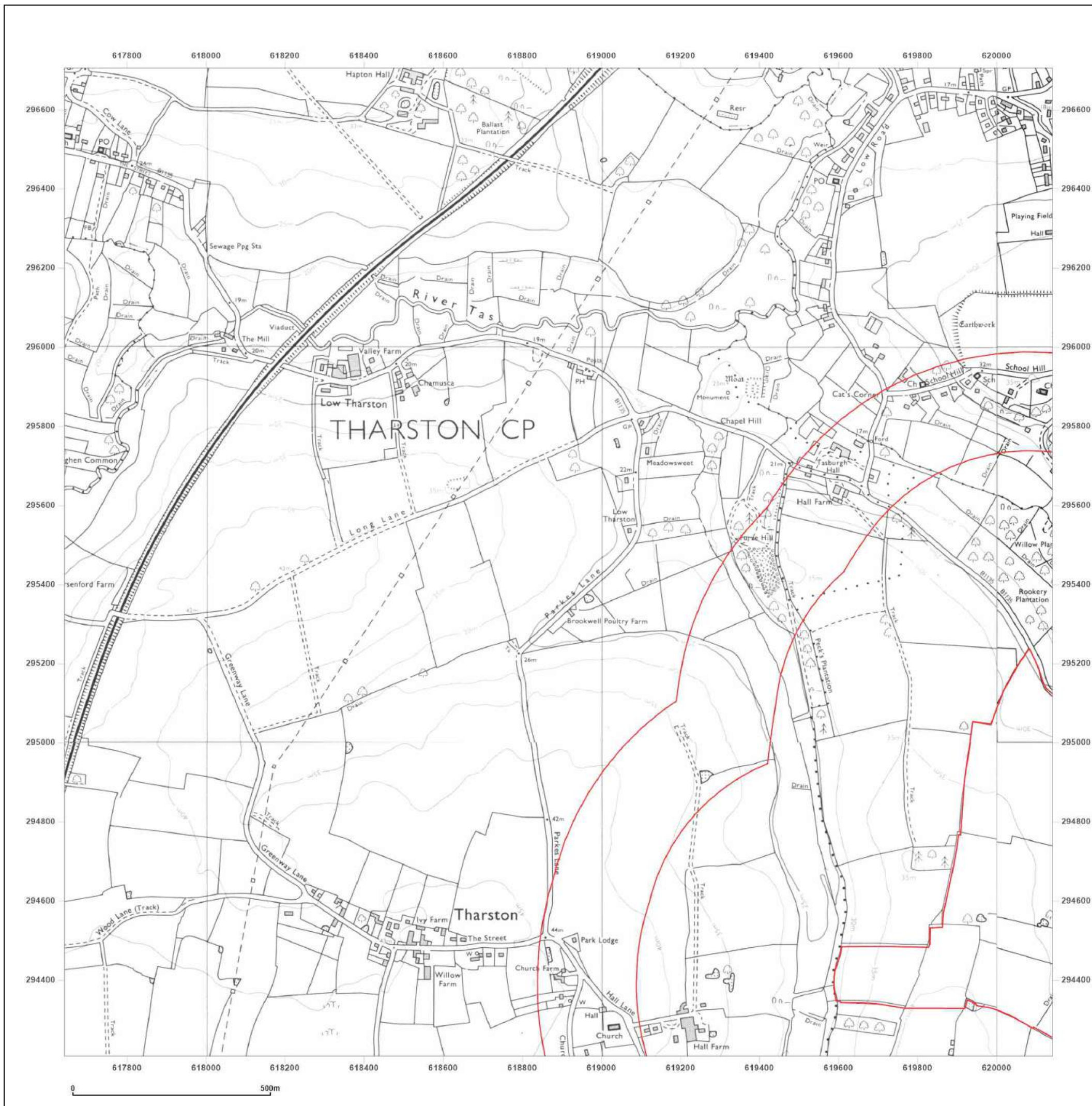


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**Site Details:**

Long Stratton

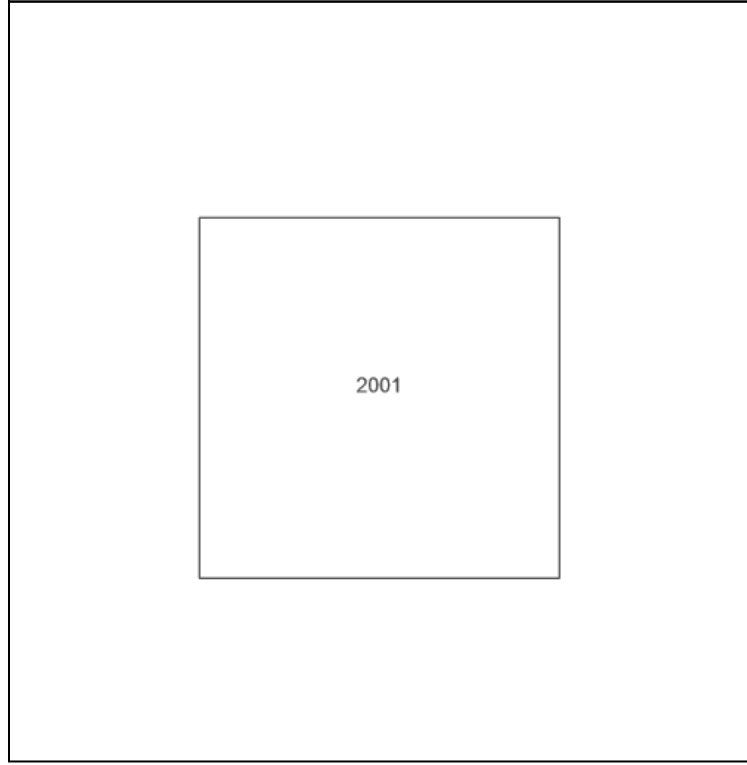
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**Grid Ref:** 618891, 295456

**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

**Printed at:** 1:10,000

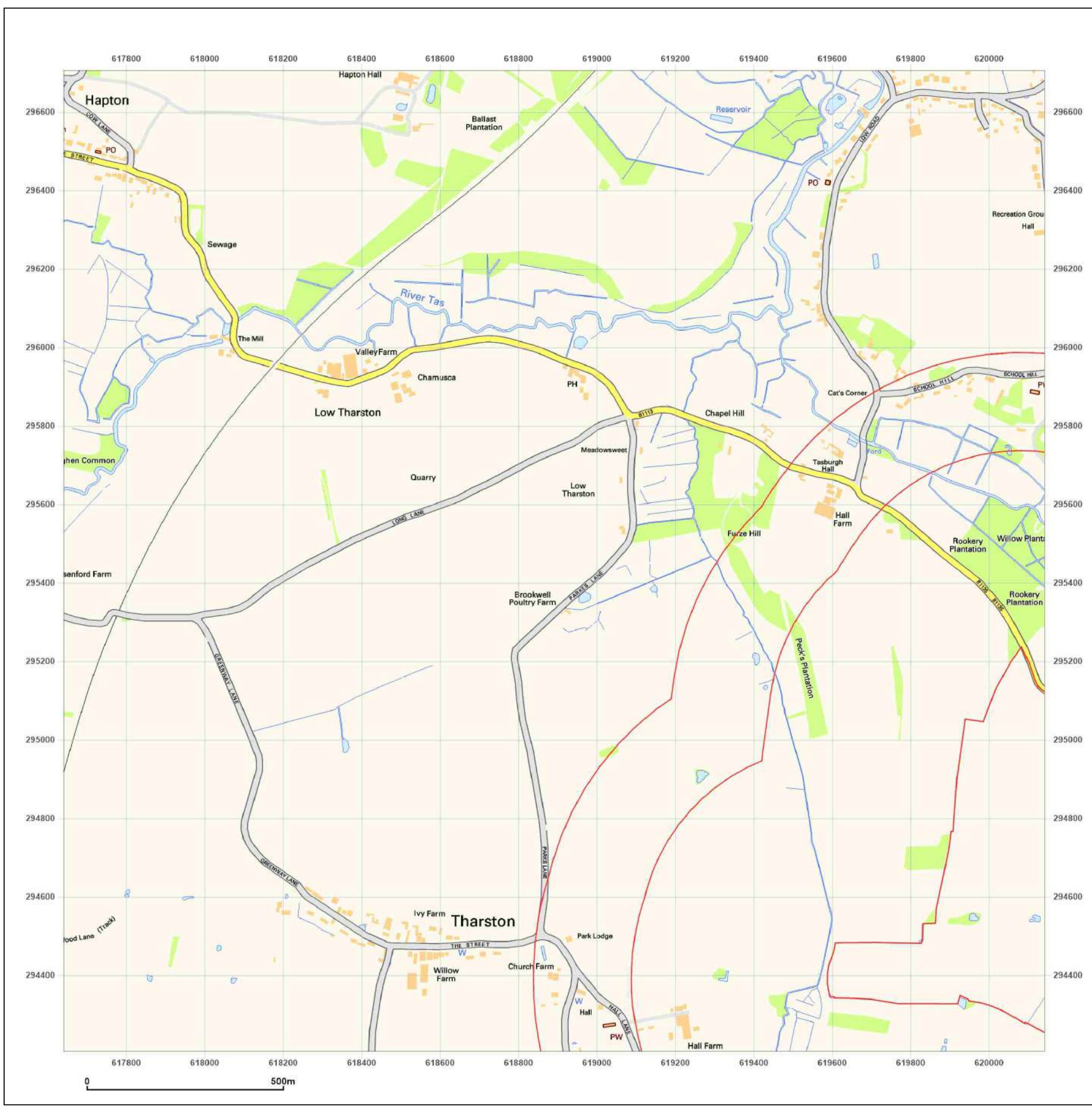


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**Site Details:**

Long Stratton

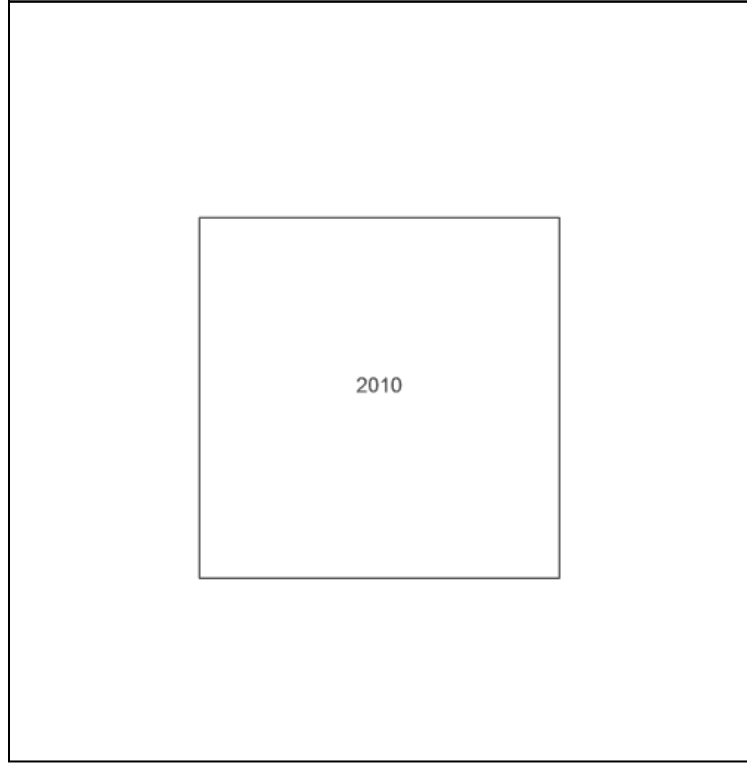
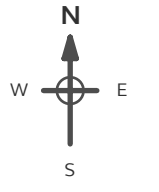
**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_2\_4  
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**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

**Printed at:** 1:10,000

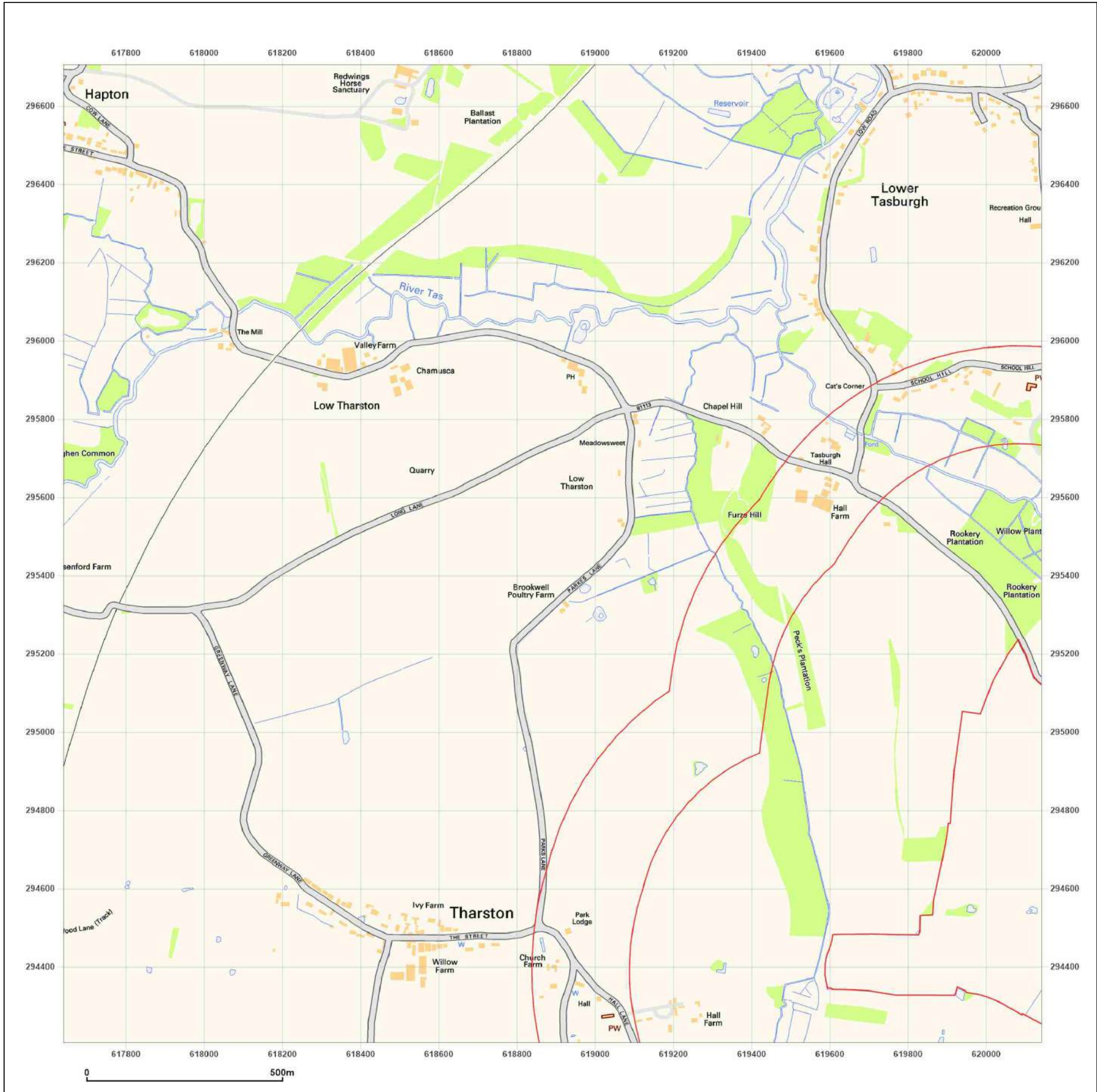


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**Site Details:**

Long Stratton

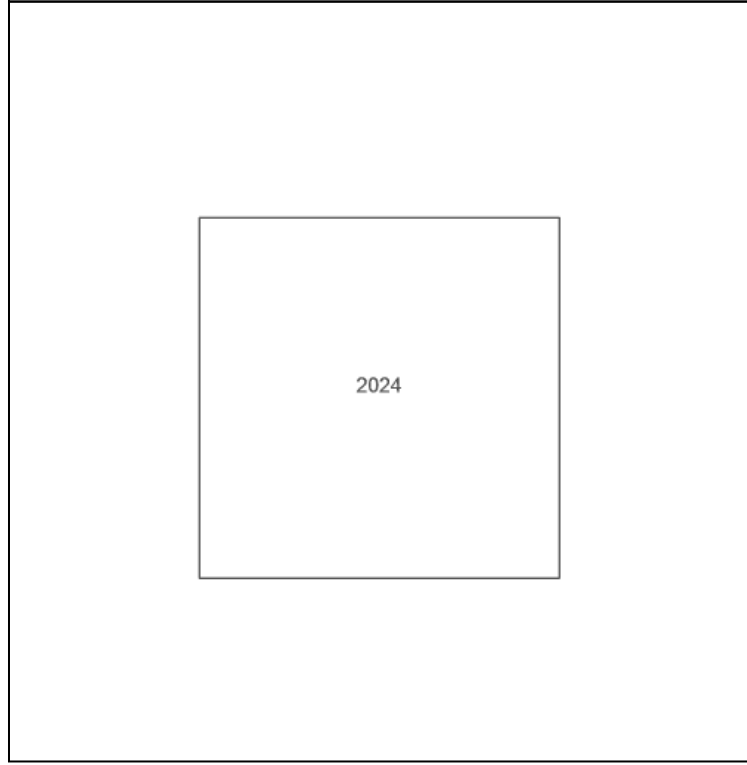
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**Map Name:** National Grid

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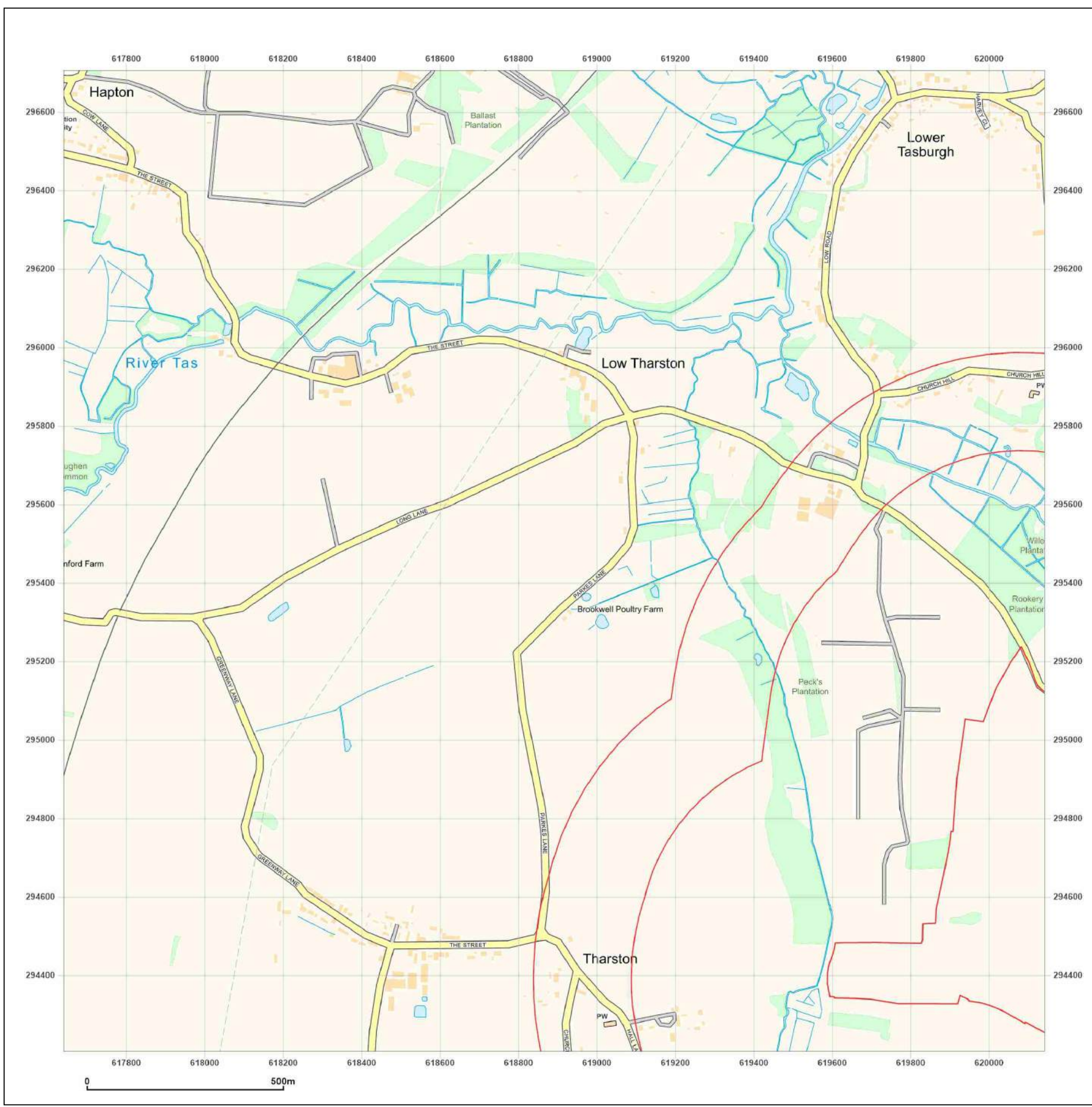


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_1  
**Grid Ref:** 621391, 287956

**Map Name:** County Series

**Map date:** 1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



|   |   |
|---|---|
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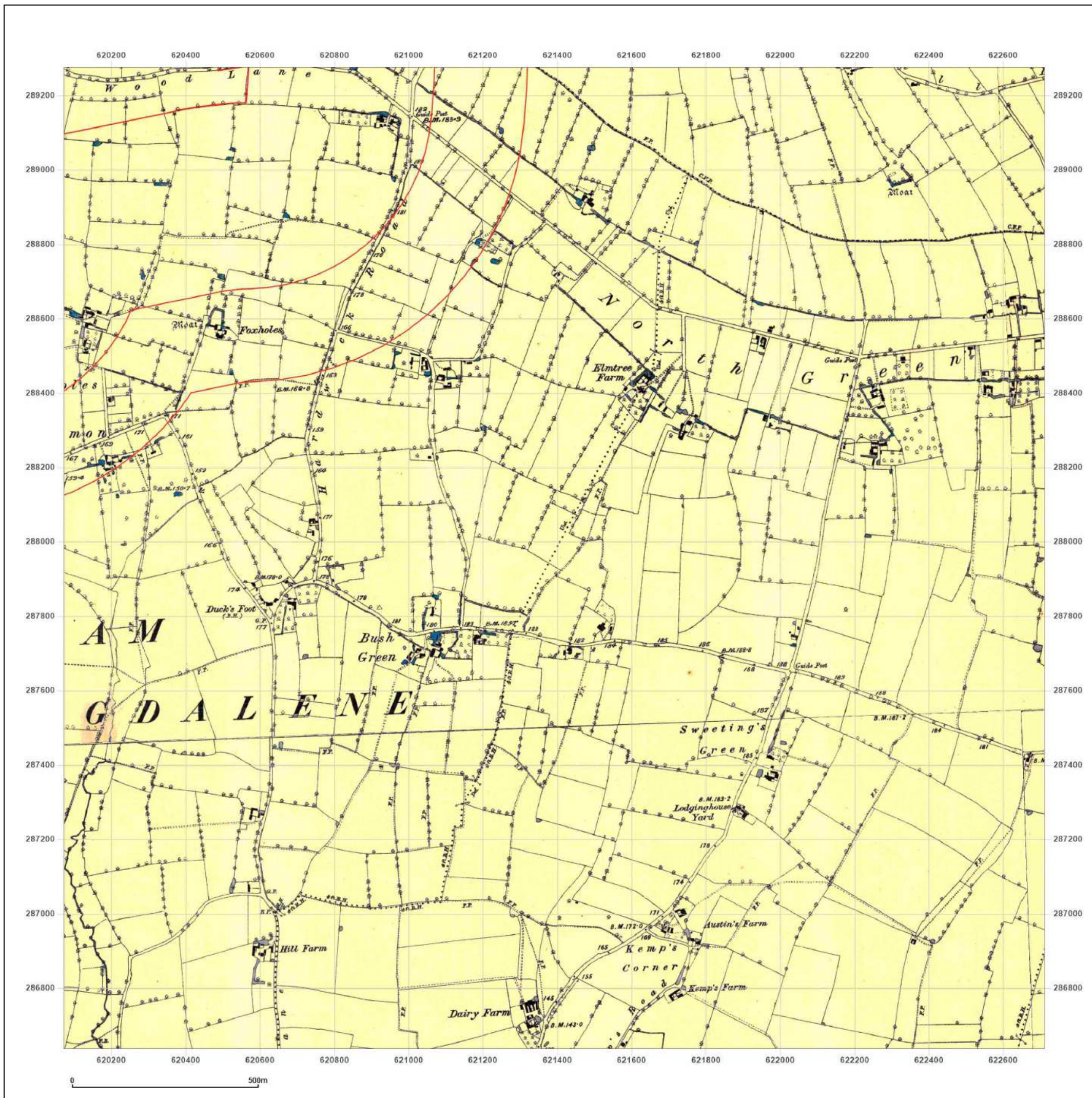


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_1  
**Grid Ref:** 621391, 287956

**Map Name:** County Series

**Map date:** 1906

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Revised 1906  
 Edition 1906  
 Copyright N/A  
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 Revised 1906  
 Edition 1906  
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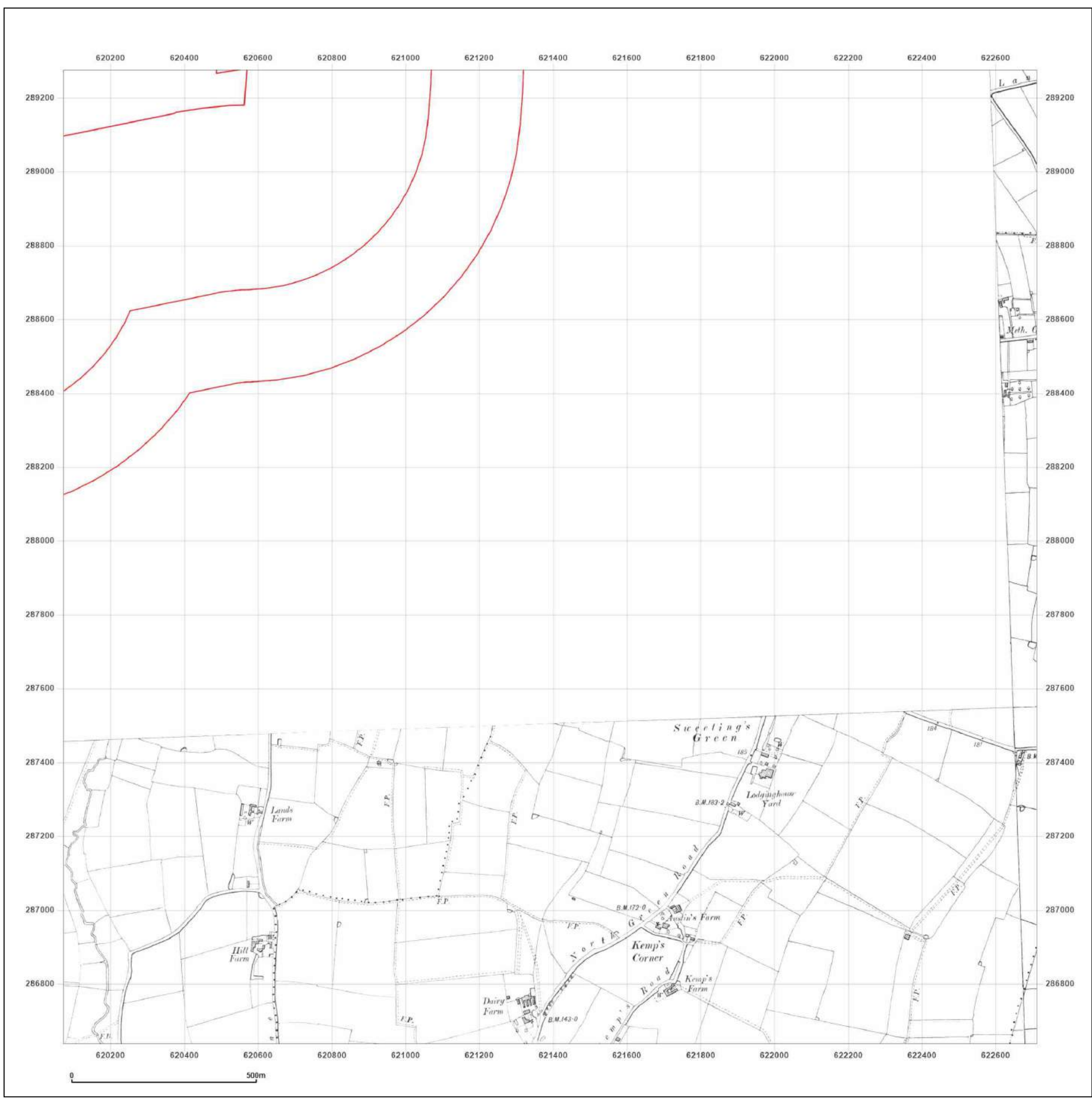


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
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**Grid Ref:** 621391, 287956

**Map Name:** County Series

**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



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| Surveyed 1883<br>Revised 1946<br>Edition N/A<br>Copyright N/A<br>Levelled N/A | Surveyed 1883<br>Revised 1946<br>Edition N/A<br>Copyright N/A<br>Levelled N/A |

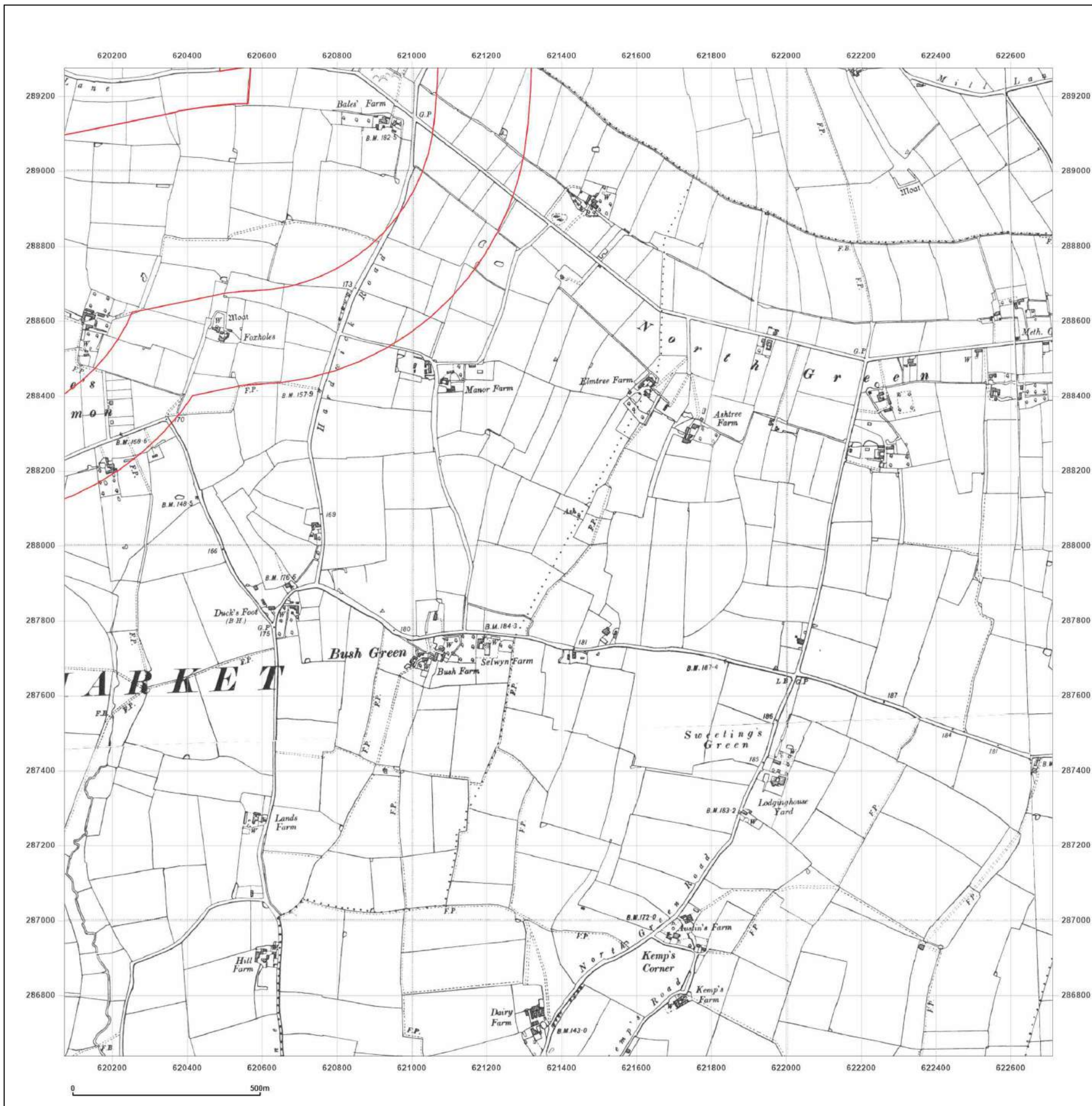


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_1  
**Grid Ref:** 621391, 287956

**Map Name:** Provisional

**Map date:** 1951

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1951  
 Revised 1951  
 Edition N/A  
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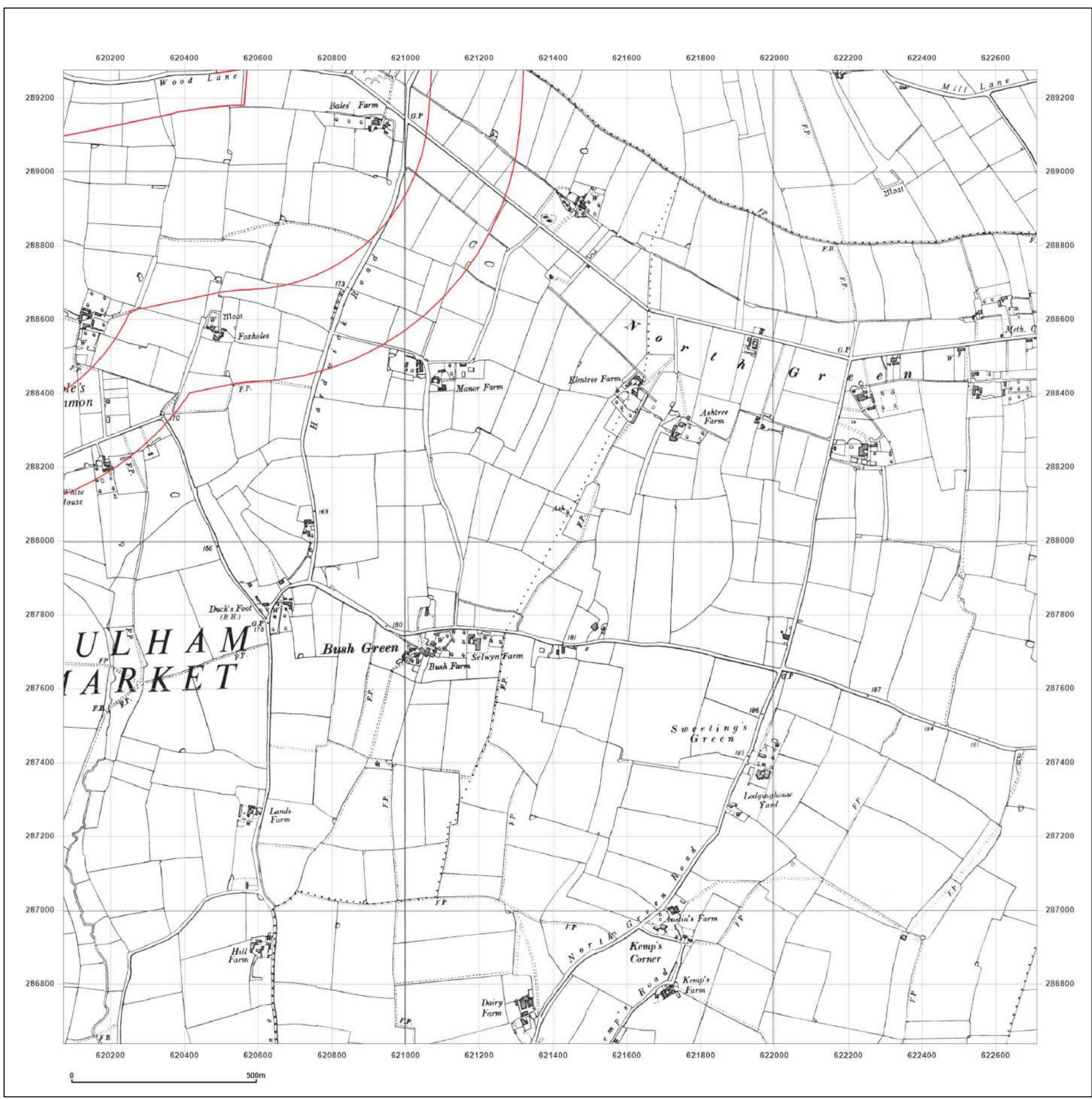


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**Site Details:**

Long Stratton

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**Grid Ref:** 621391, 287956

**Map Name:** National Grid

**Map date:** 1983

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1977  
 Revised 1983  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

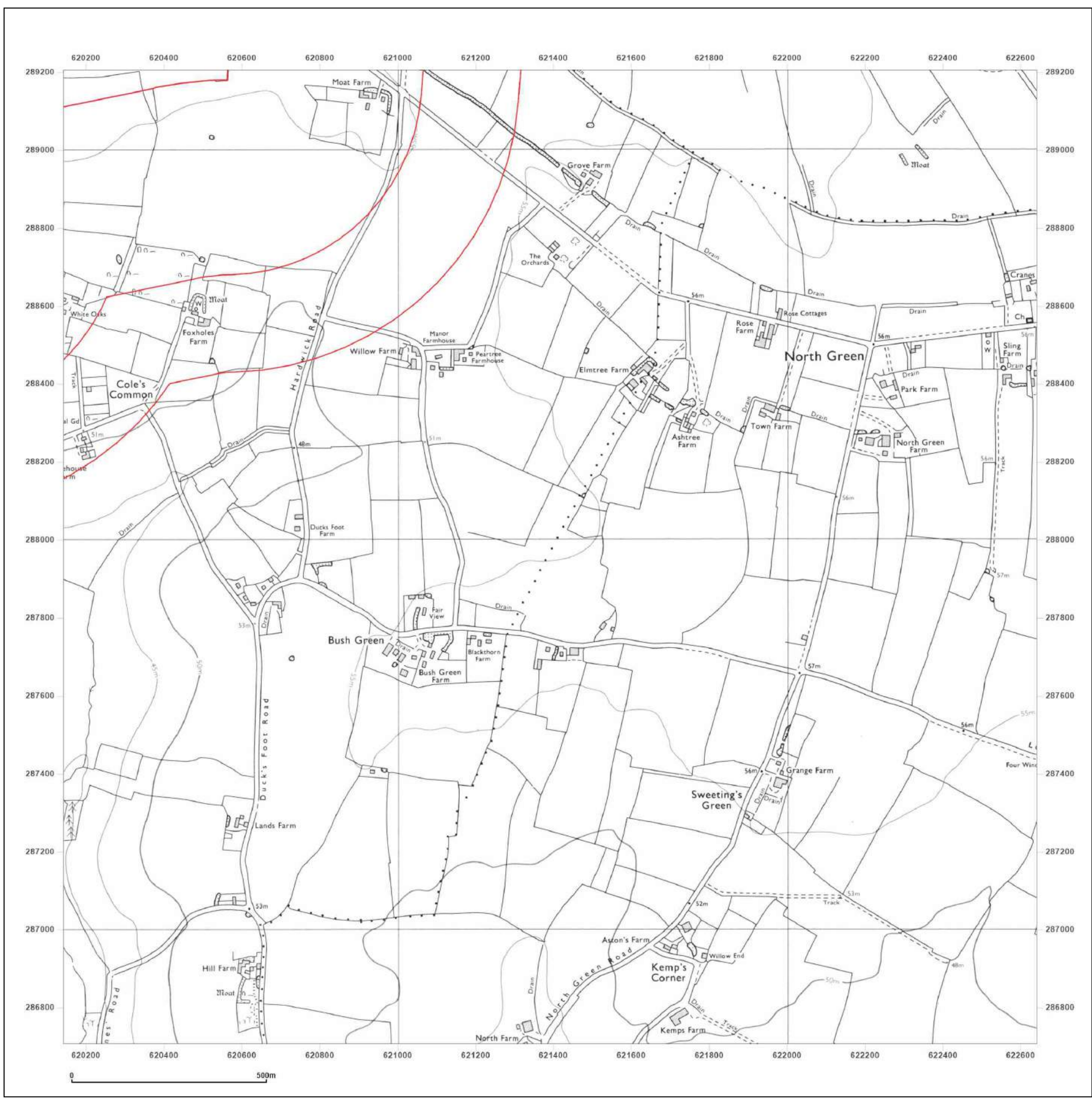


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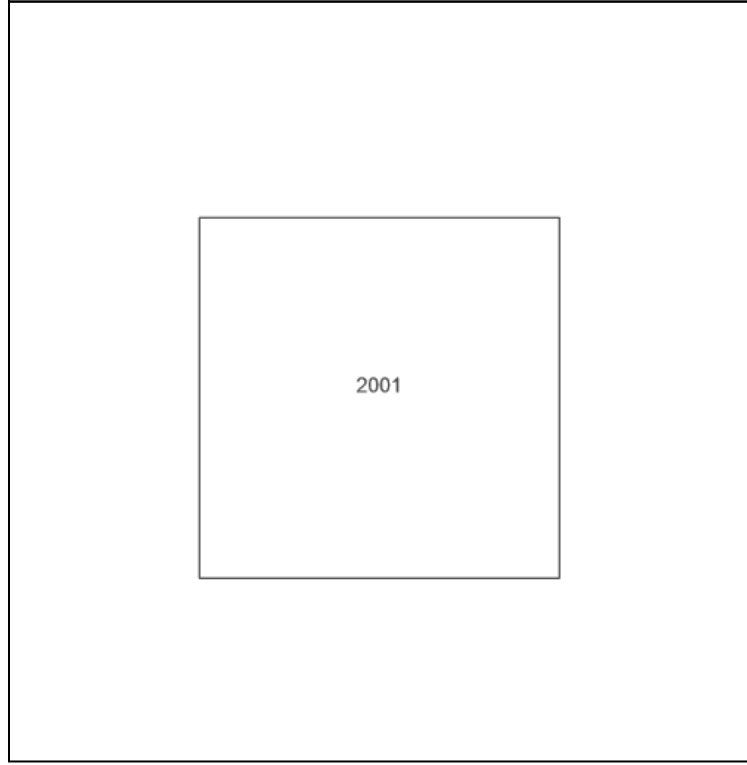
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**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

**Printed at:** 1:10,000

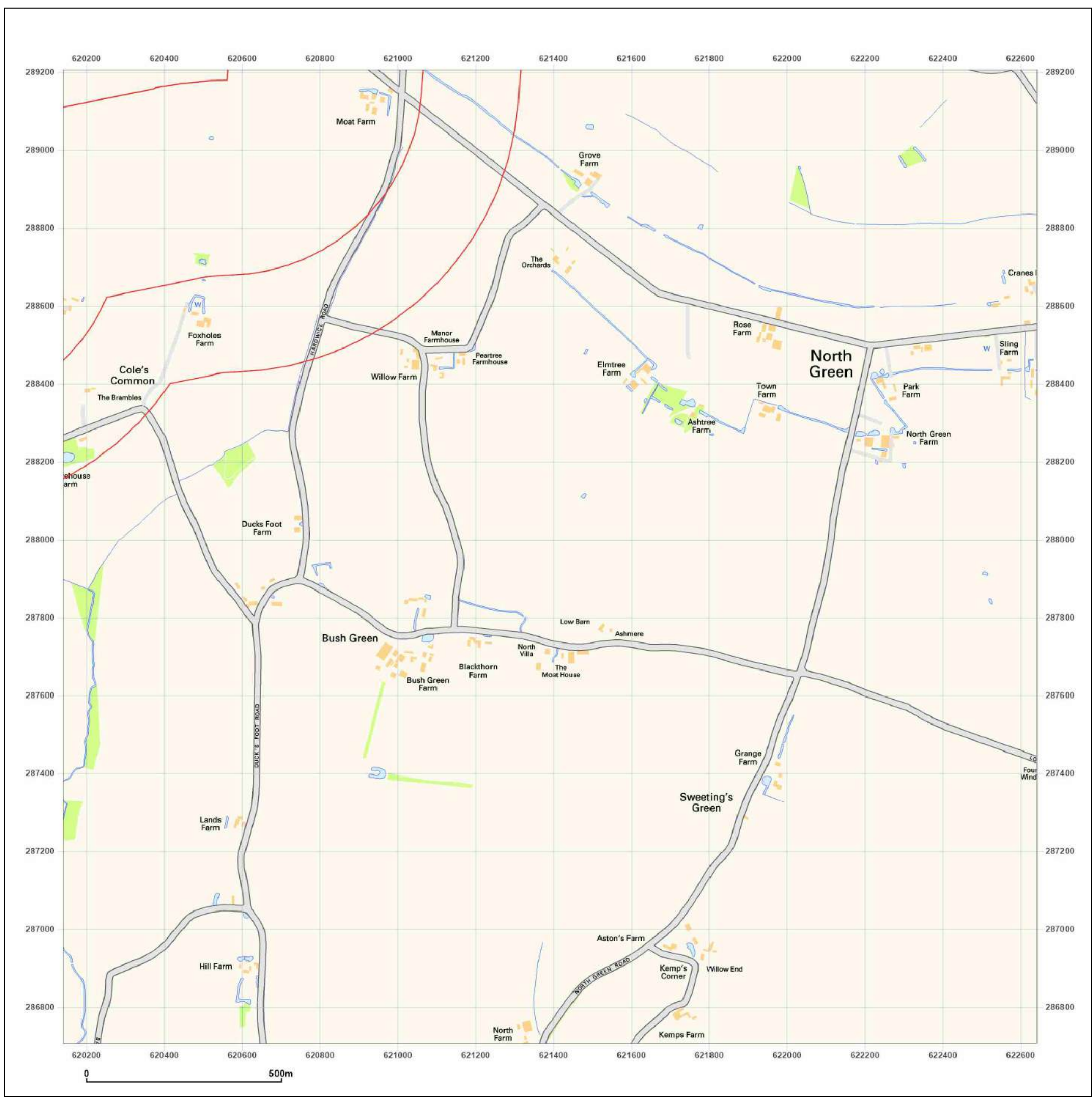


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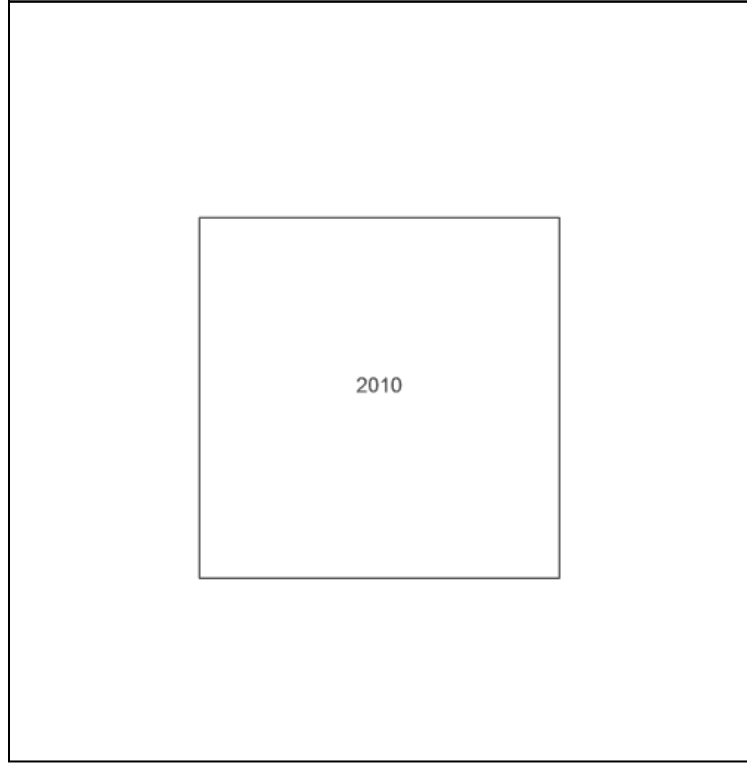
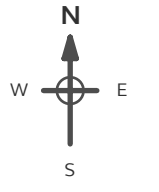
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**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

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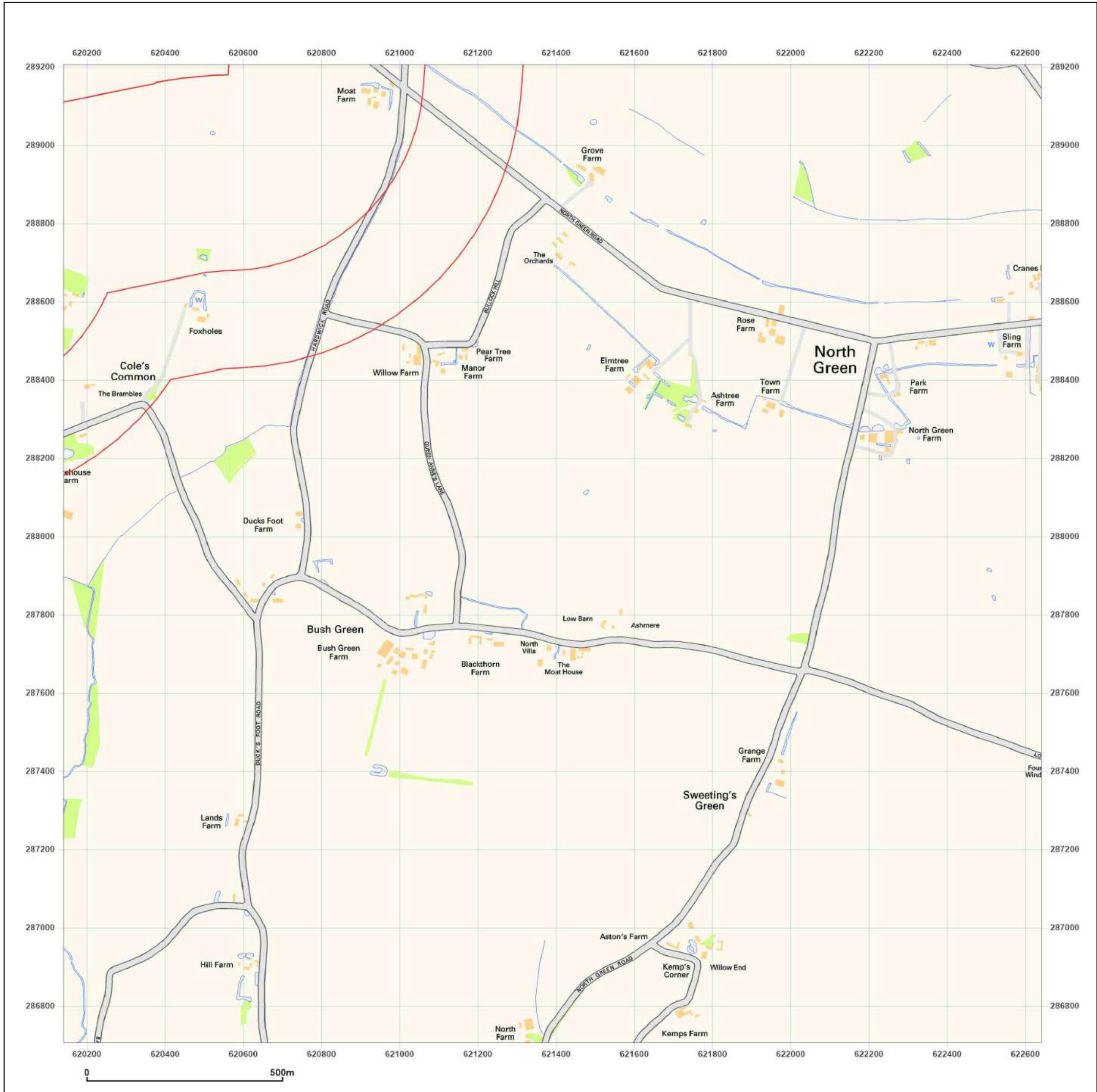


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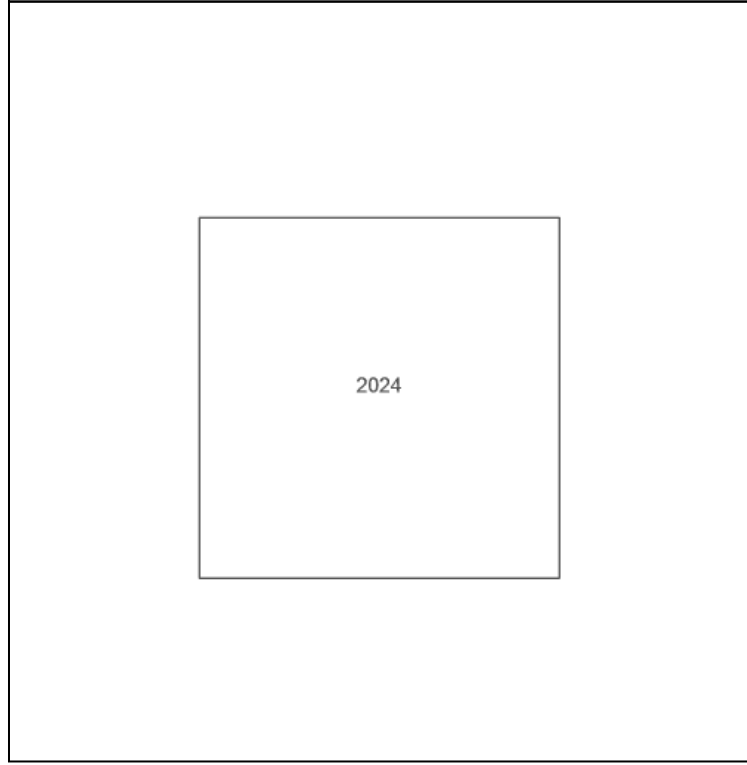
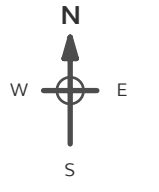
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**Map Name:** National Grid

**Map date:** 2024

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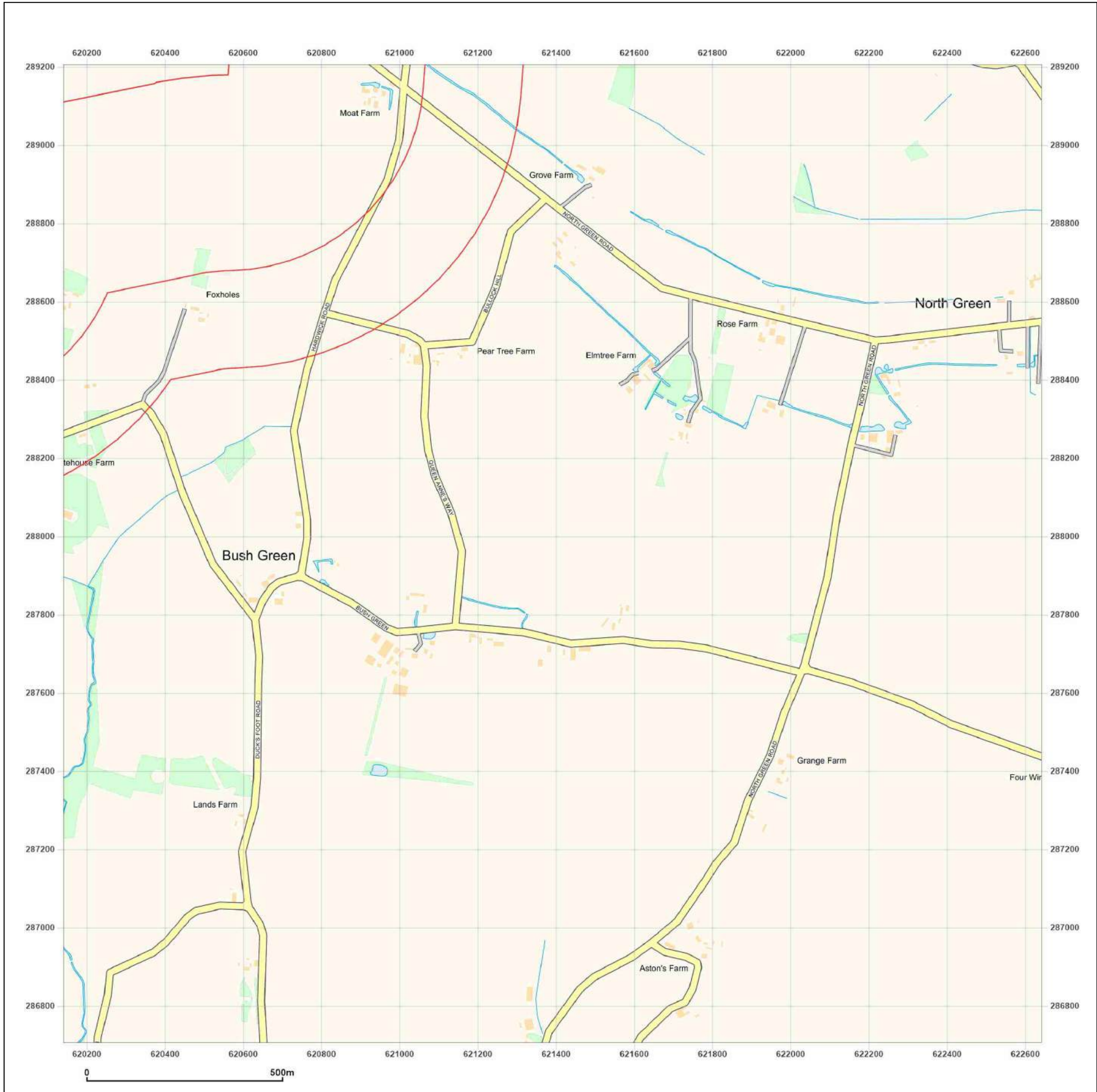


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_2  
**Grid Ref:** 621391, 290456

**Map Name:** County Series

**Map date:** 1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



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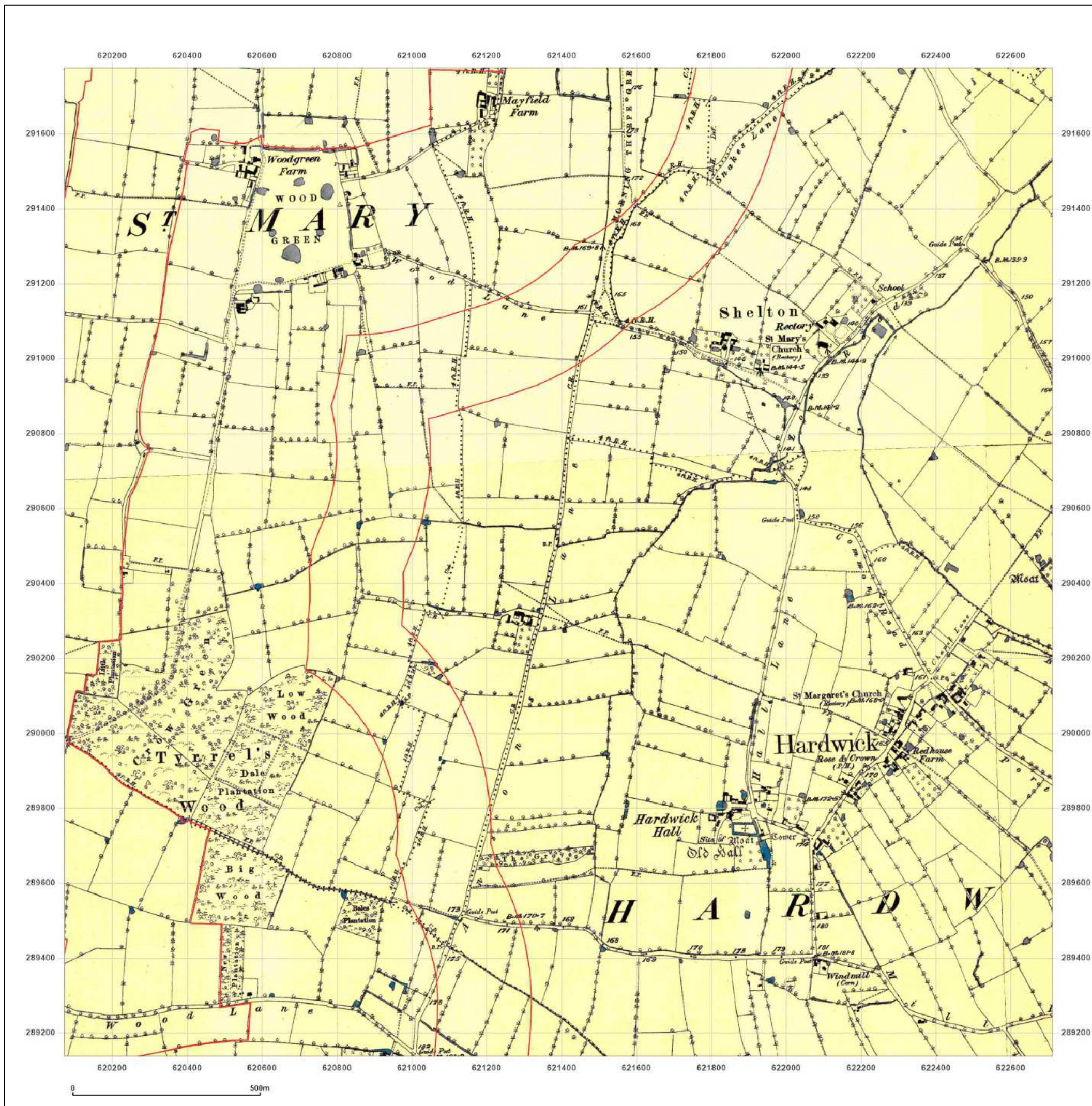


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**Site Details:**

Long Stratton

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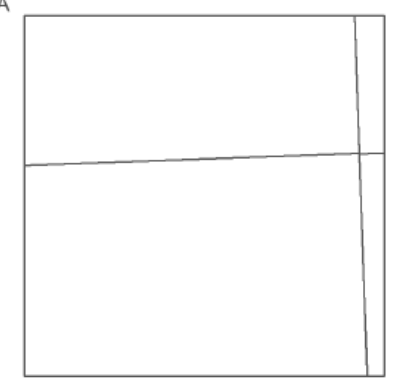
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**Printed at:** 1:10,560



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 Revised 1906  
 Edition 1906  
 Copyright N/A  
 Levelled N/A



Surveyed 1883  
 Revised 1906  
 Edition 1906  
 Copyright N/A  
 Levelled N/A

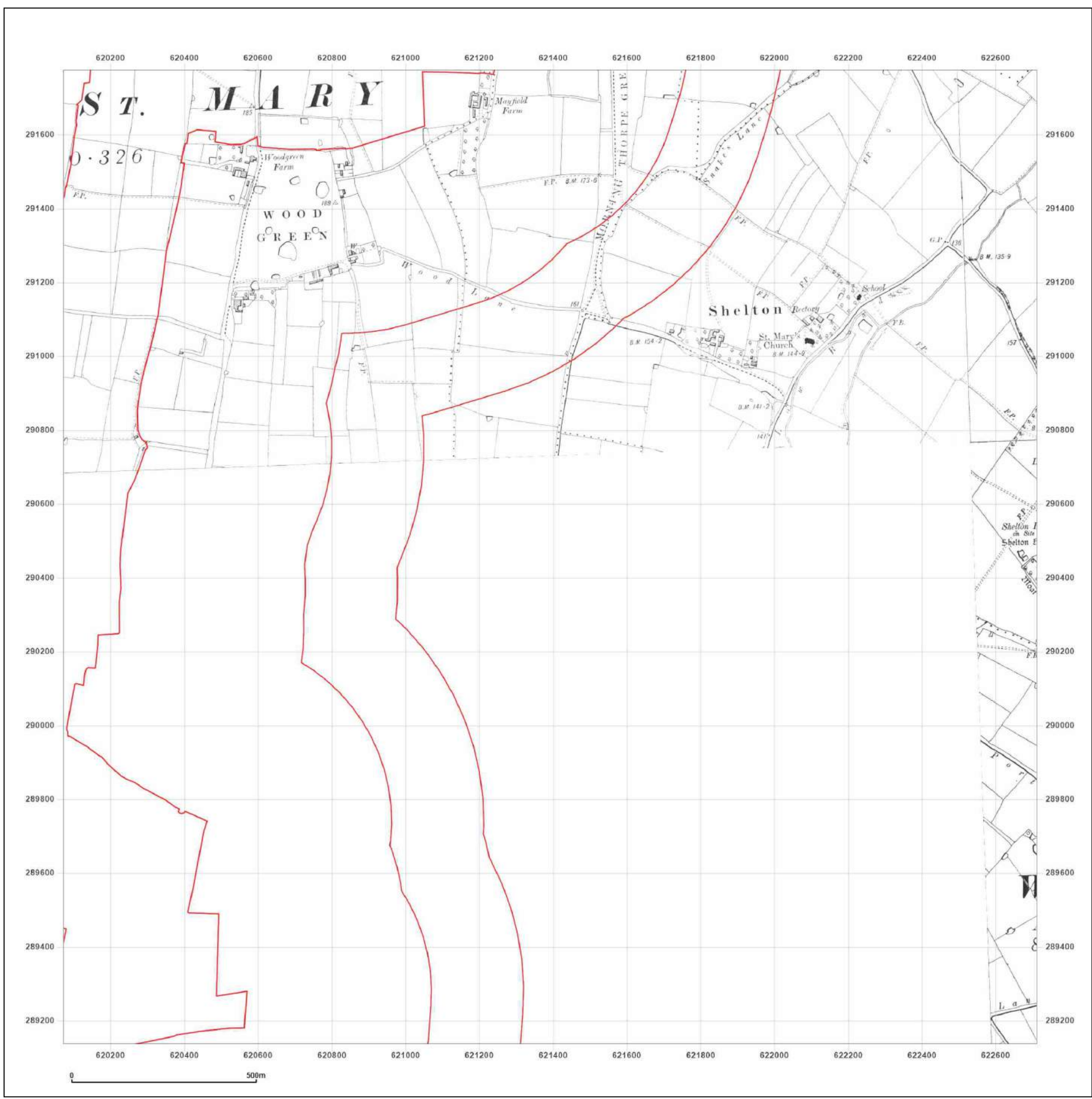


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_2  
**Grid Ref:** 621391, 290456

**Map Name:** County Series

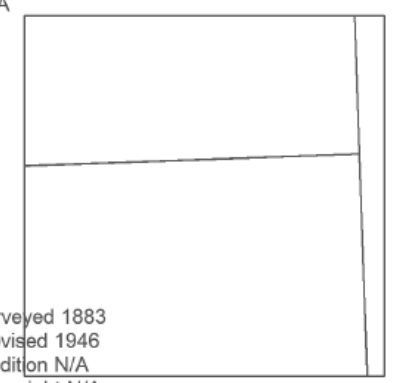
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**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Copyright N/A  
 Levelled N/A



Surveyed 1883  
 Revised 1946  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

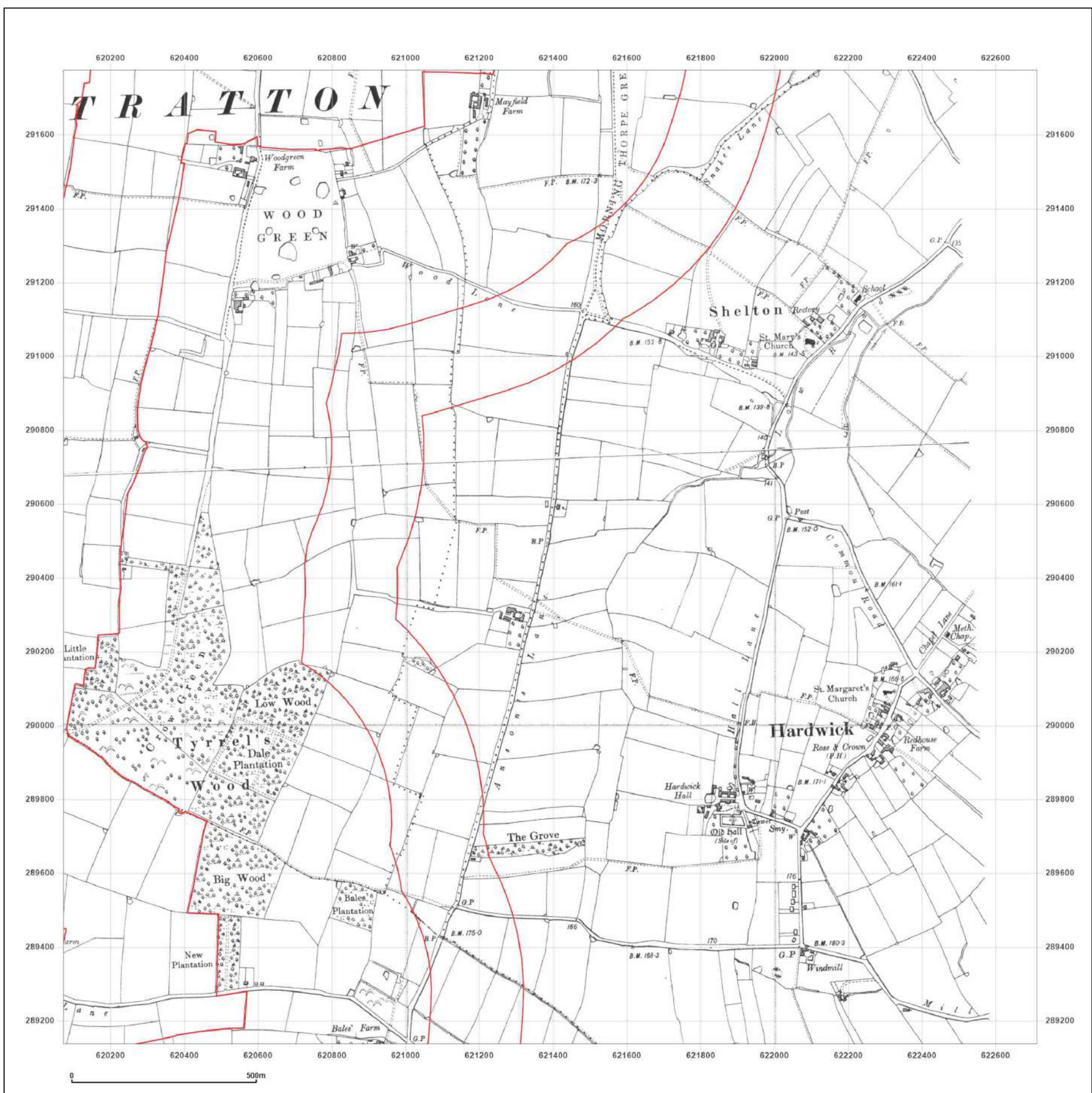


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_2  
**Grid Ref:** 621391, 290456

**Map Name:** Provisional

**Map date:** 1951

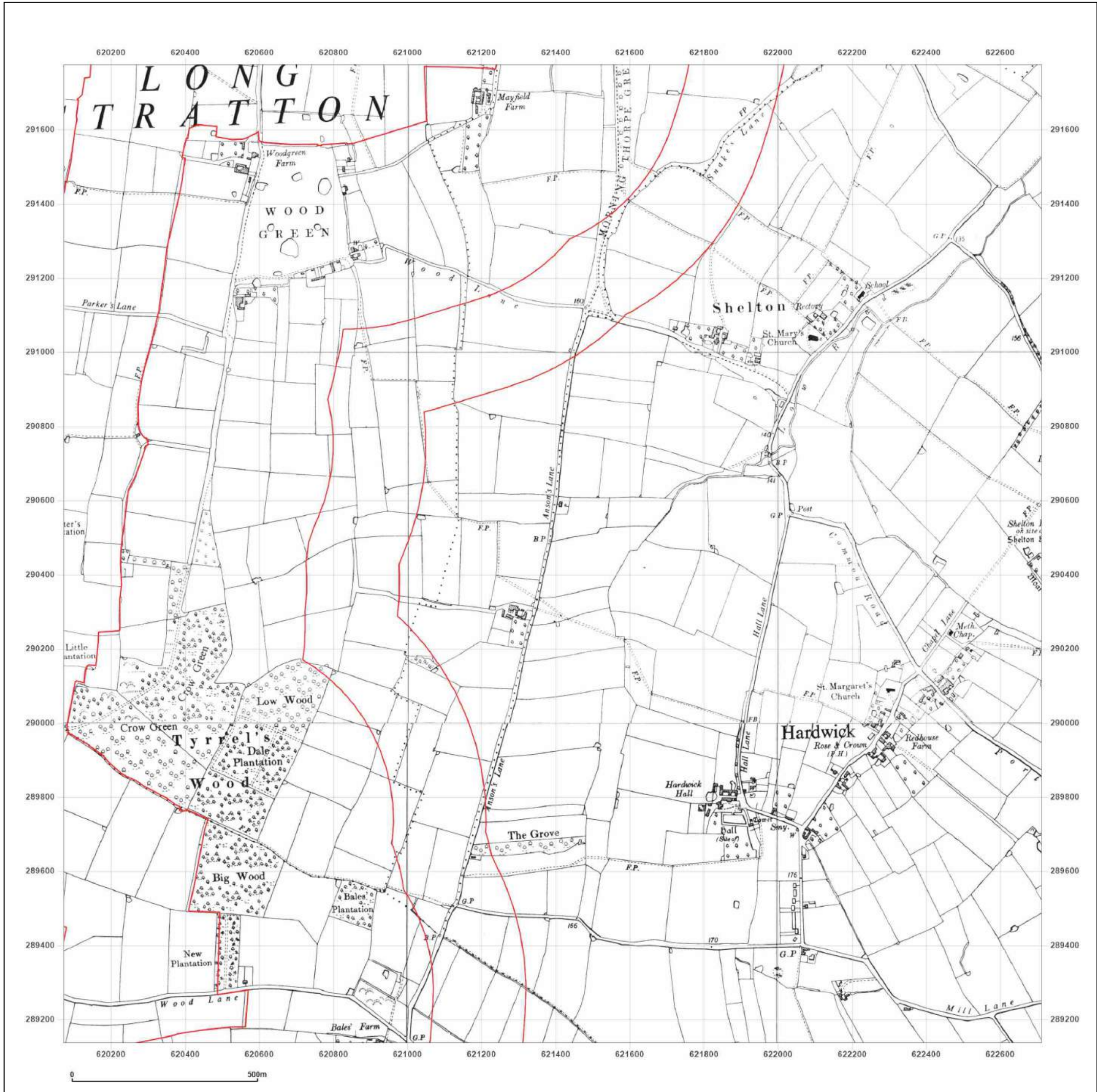
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 Edition N/A  
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 Revised 1951  
 Edition N/A  
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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_2  
**Grid Ref:** 621391, 290456

**Map Name:** National Grid

**Map date:** 1979-1983

**Scale:** 1:10,000

**Printed at:** 1:10,000



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 Revised 1979  
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 Copyright N/A  
 Levelled N/A

Surveyed 1977  
 Revised 1983  
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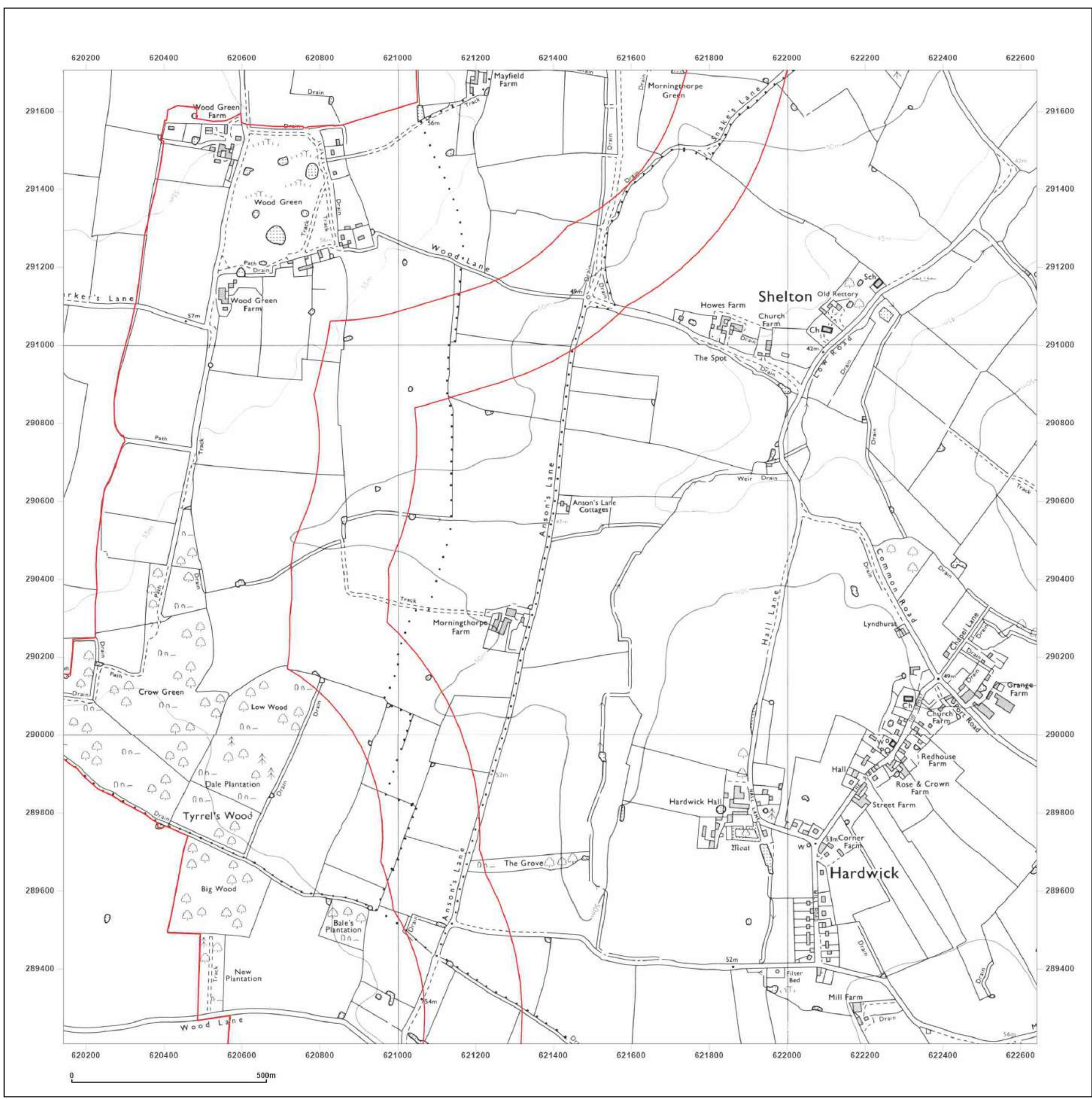


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**Site Details:**

Long Stratton

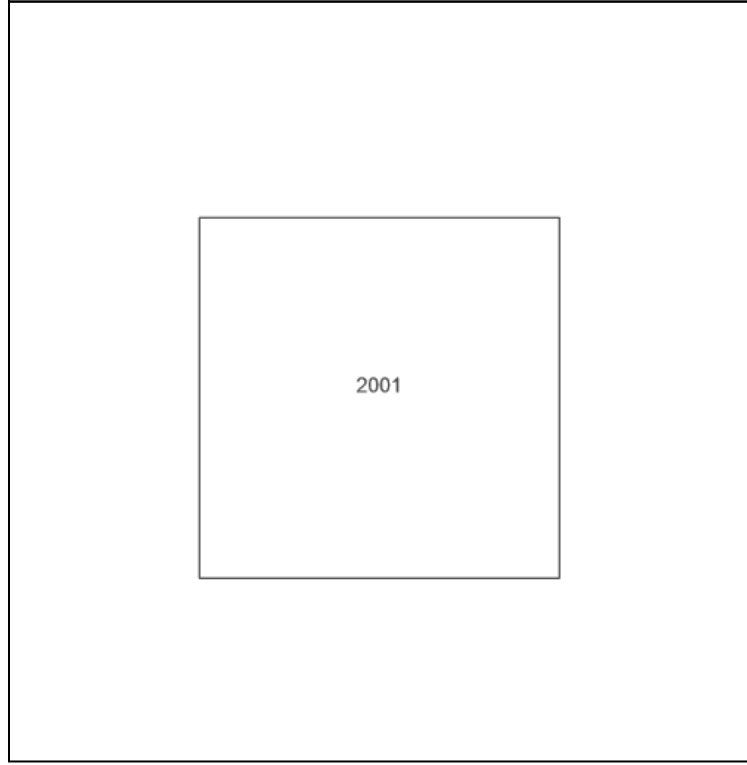
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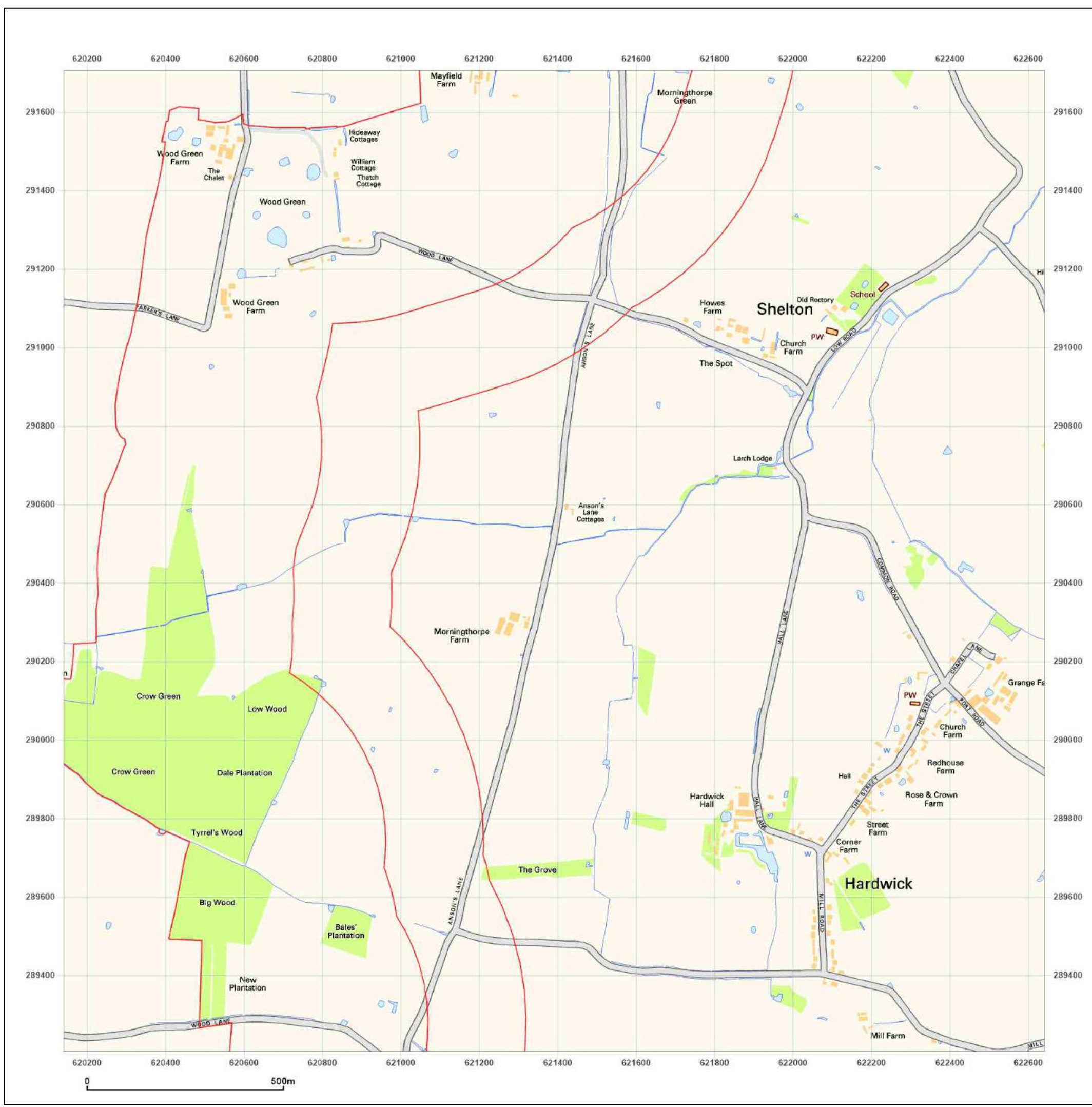


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**Site Details:**

Long Stratton

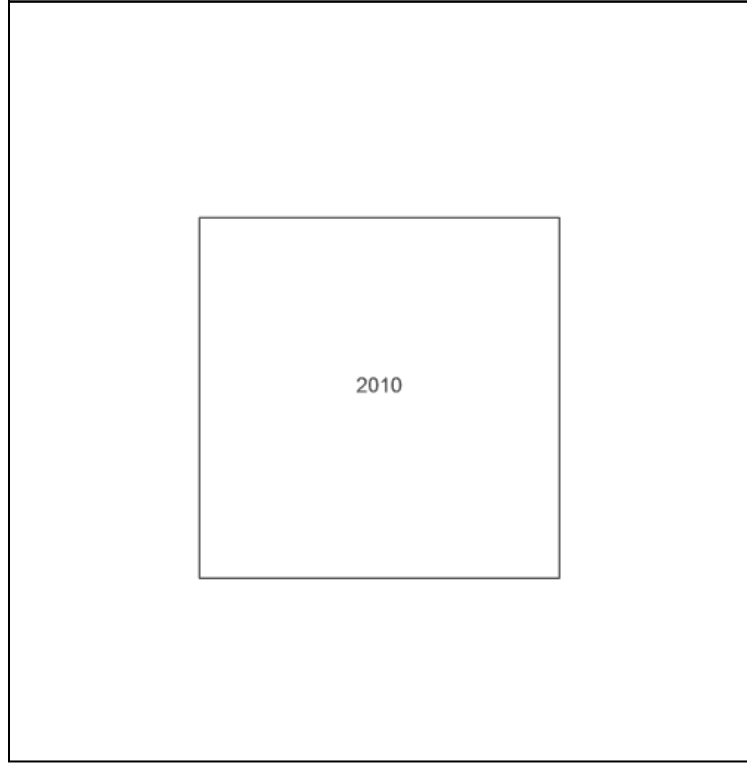
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**Map Name:** National Grid

**Map date:** 2010

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**Printed at:** 1:10,000

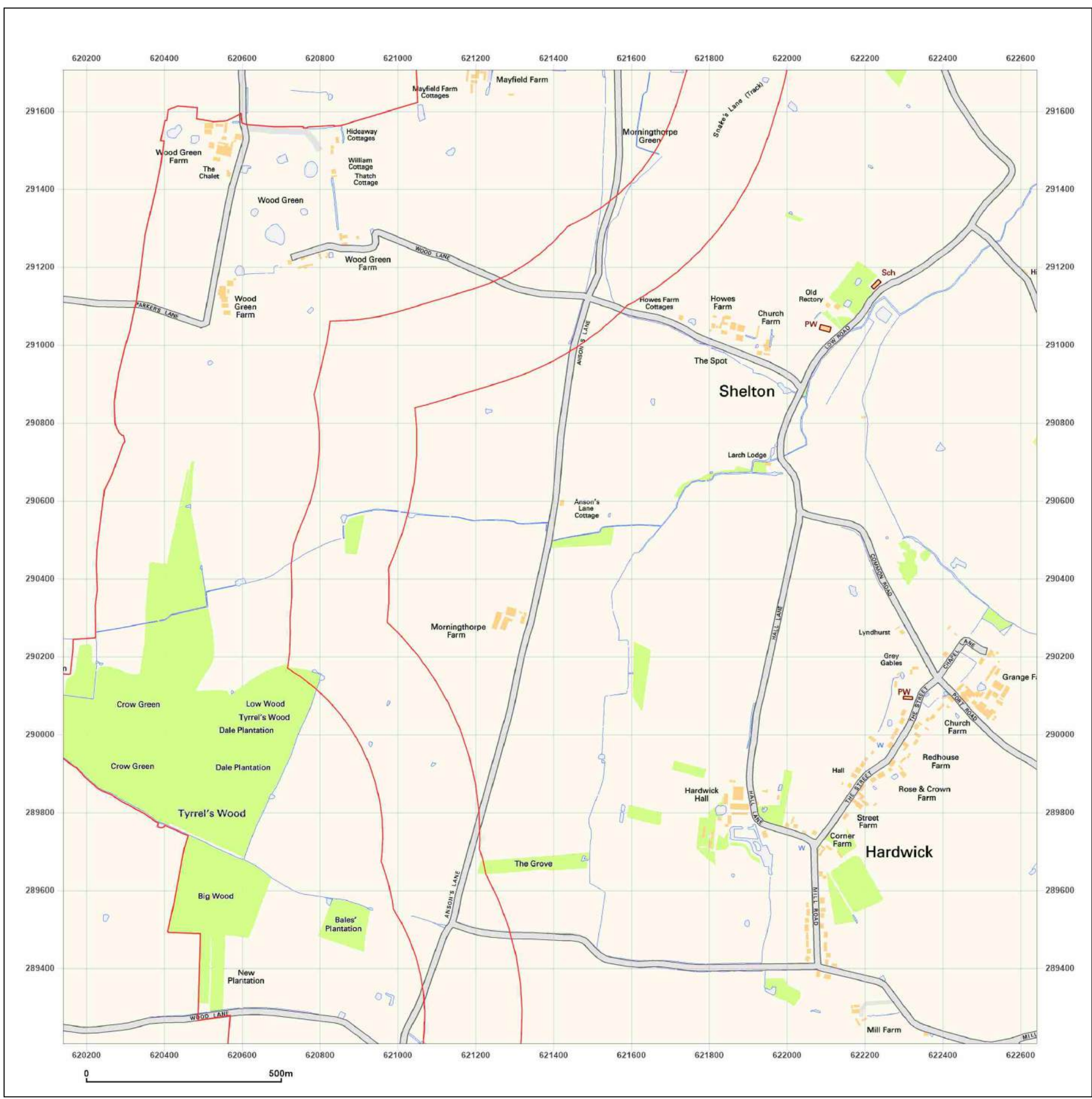


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**Site Details:**

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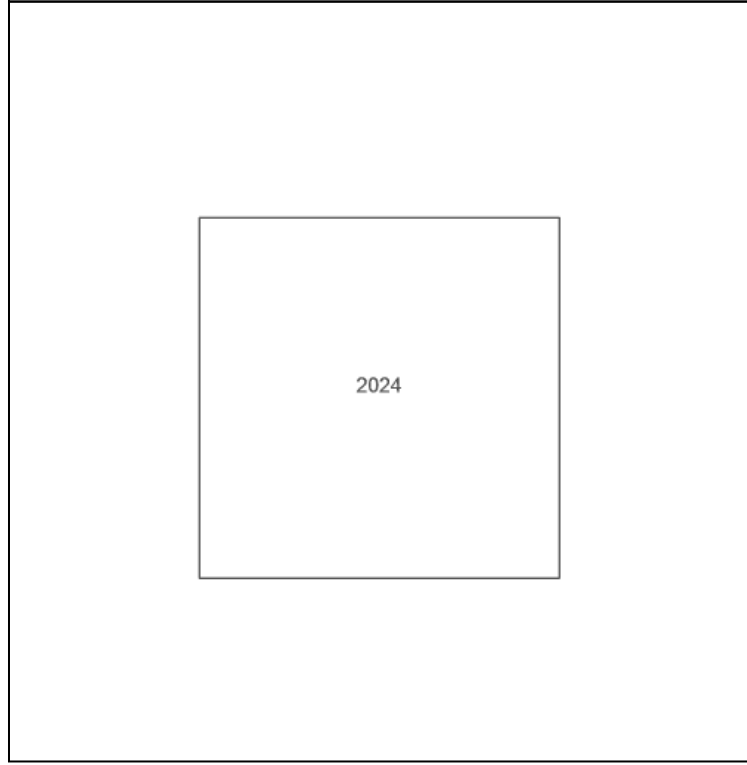
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**Grid Ref:** 621391, 290456

**Map Name:** National Grid

**Map date:** 2024

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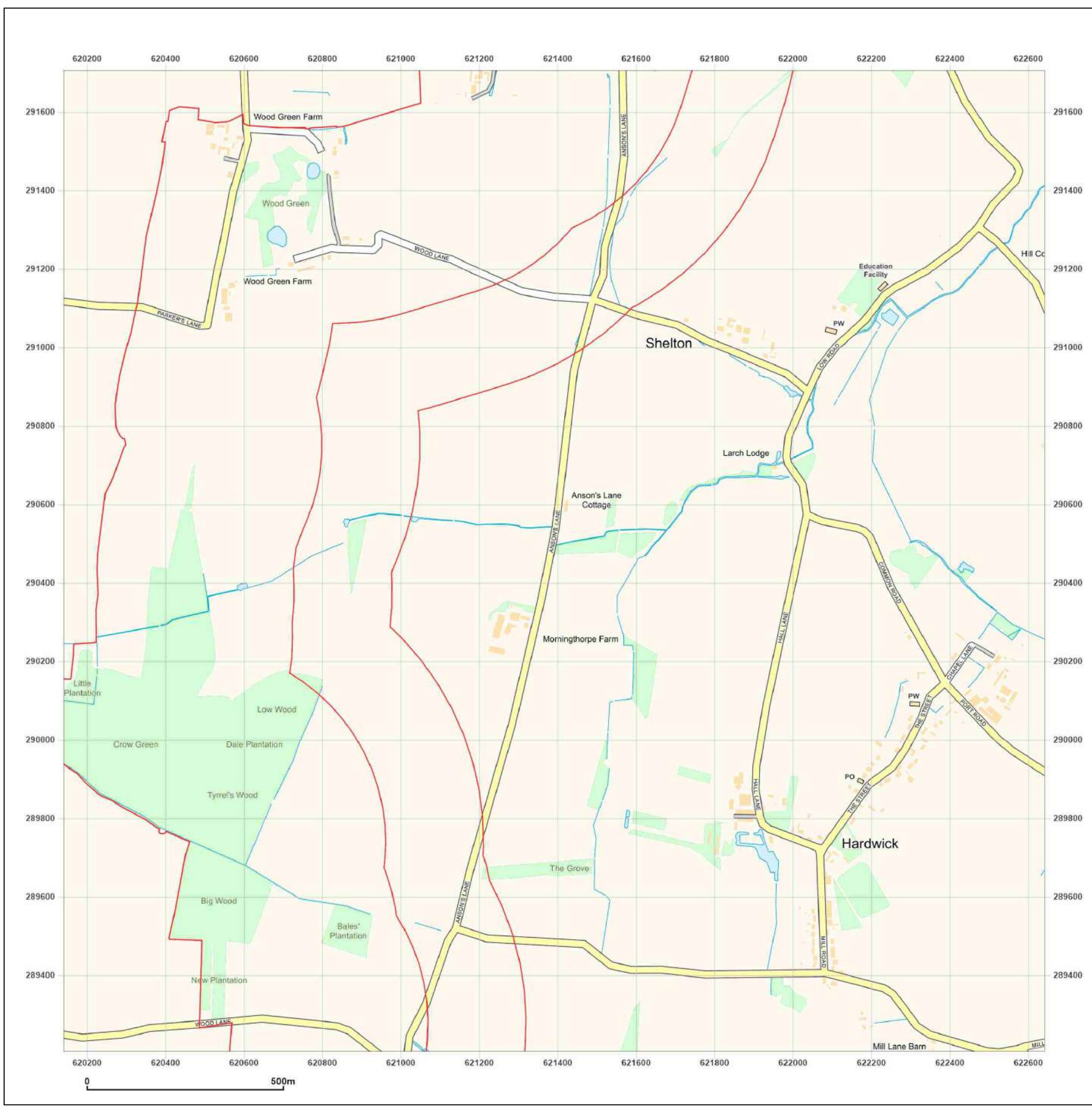


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_3  
**Grid Ref:** 621391, 292956

**Map Name:** County Series

**Map date:** 1881-1883

**Scale:** 1:10,560

**Printed at:** 1:10,560

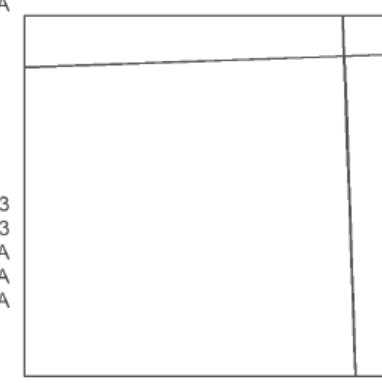


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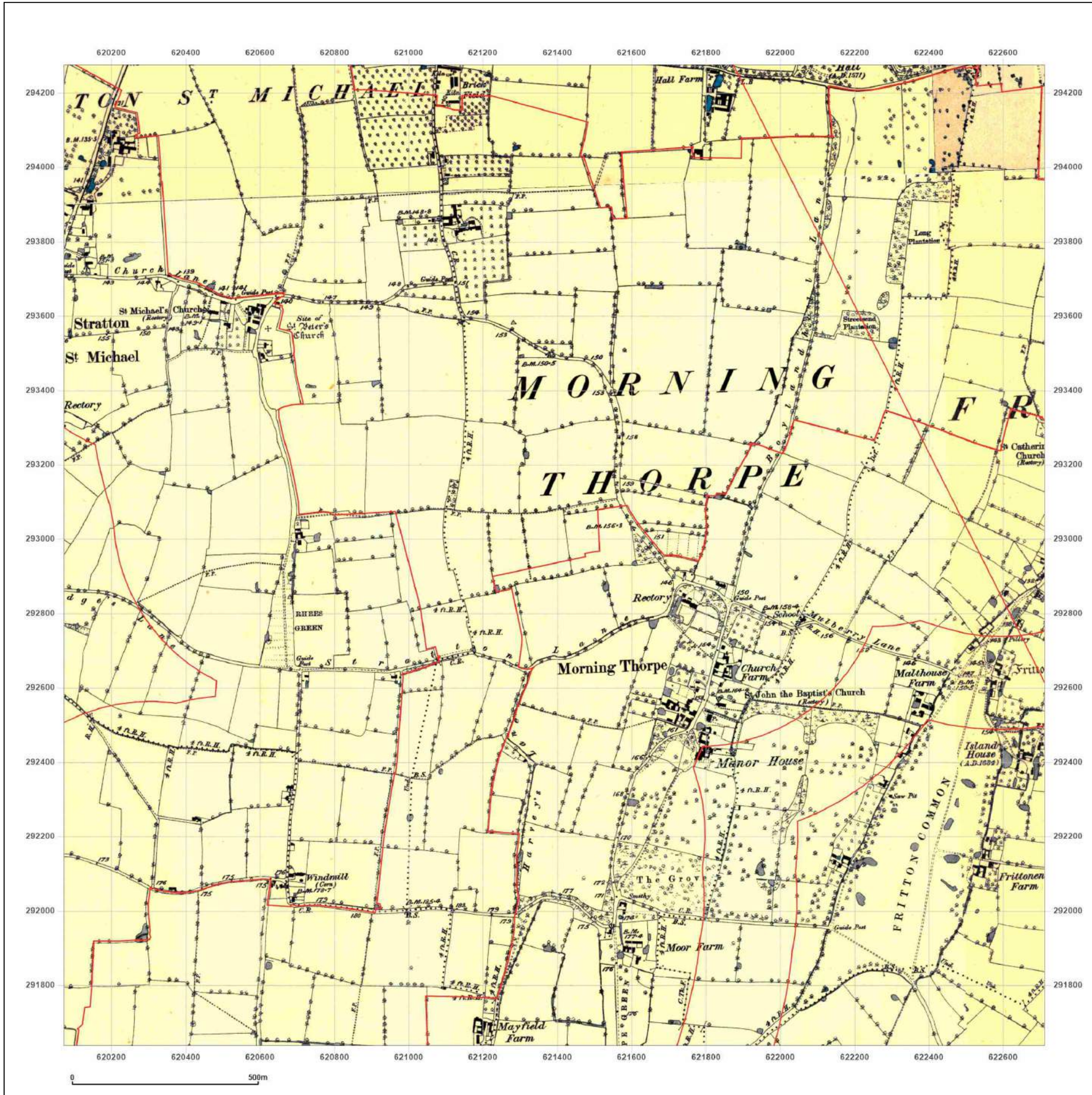


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**Site Details:**

Long Stratton

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**Map date:** 1906-1907

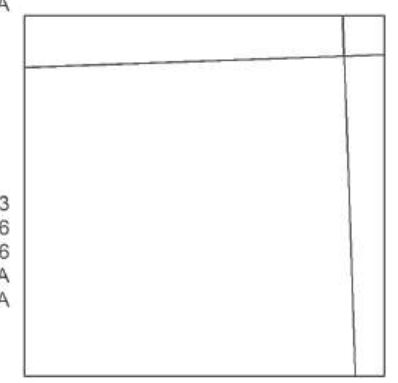
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**Site Details:**

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**Map Name:** County Series

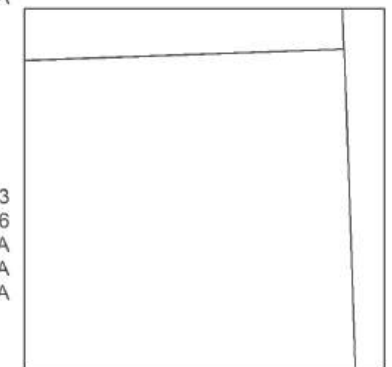
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**Site Details:**

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**Grid Ref:** 621391, 292956

**Map Name:** Provisional

**Map date:** 1951

**Scale:** 1:10,560

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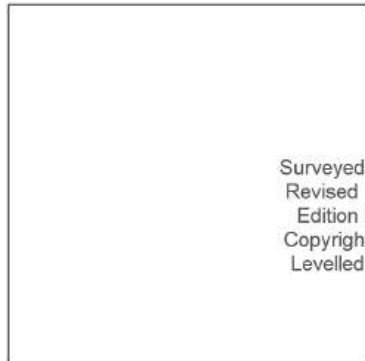
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**Site Details:**  
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**Grid Ref:** 621391, 292956

**Map Name:** National Grid  
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Surveyed 1976  
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 Edition N/A  
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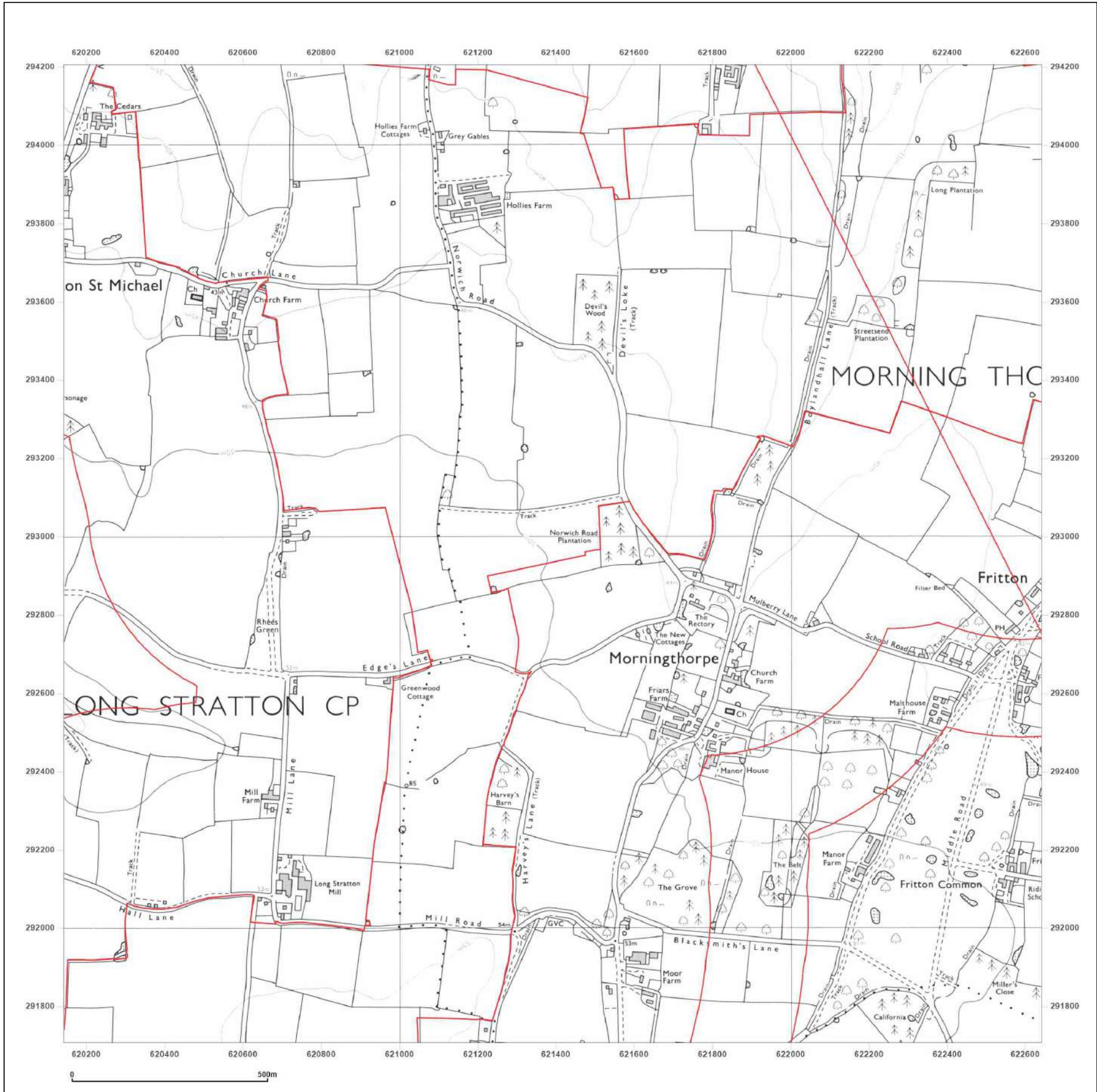


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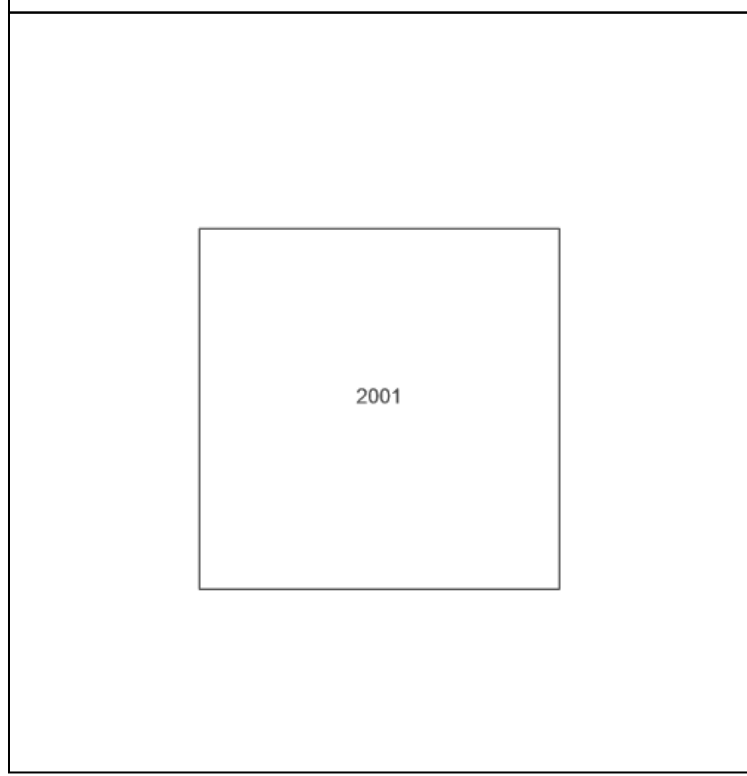
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**Grid Ref:** 621391, 292956

**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

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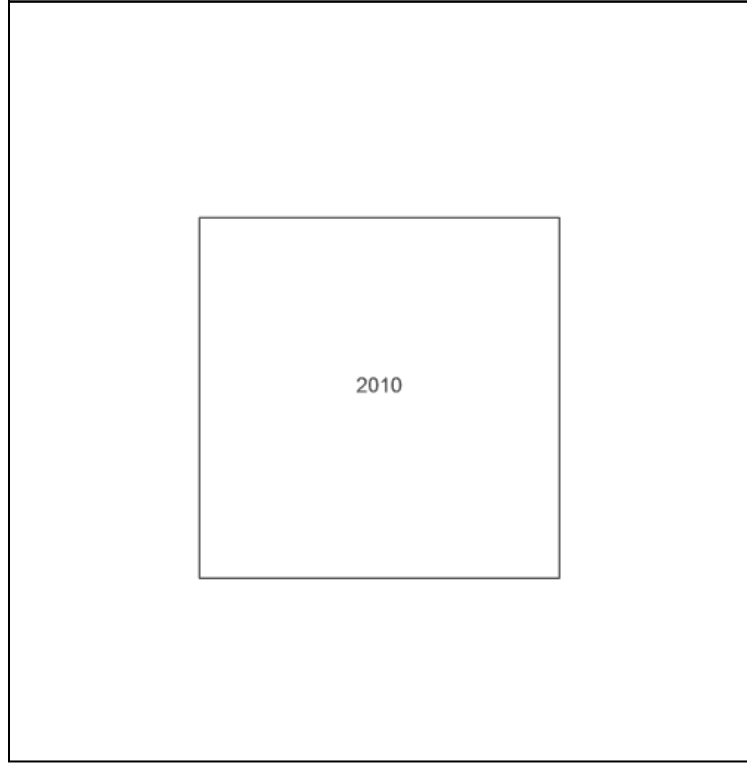
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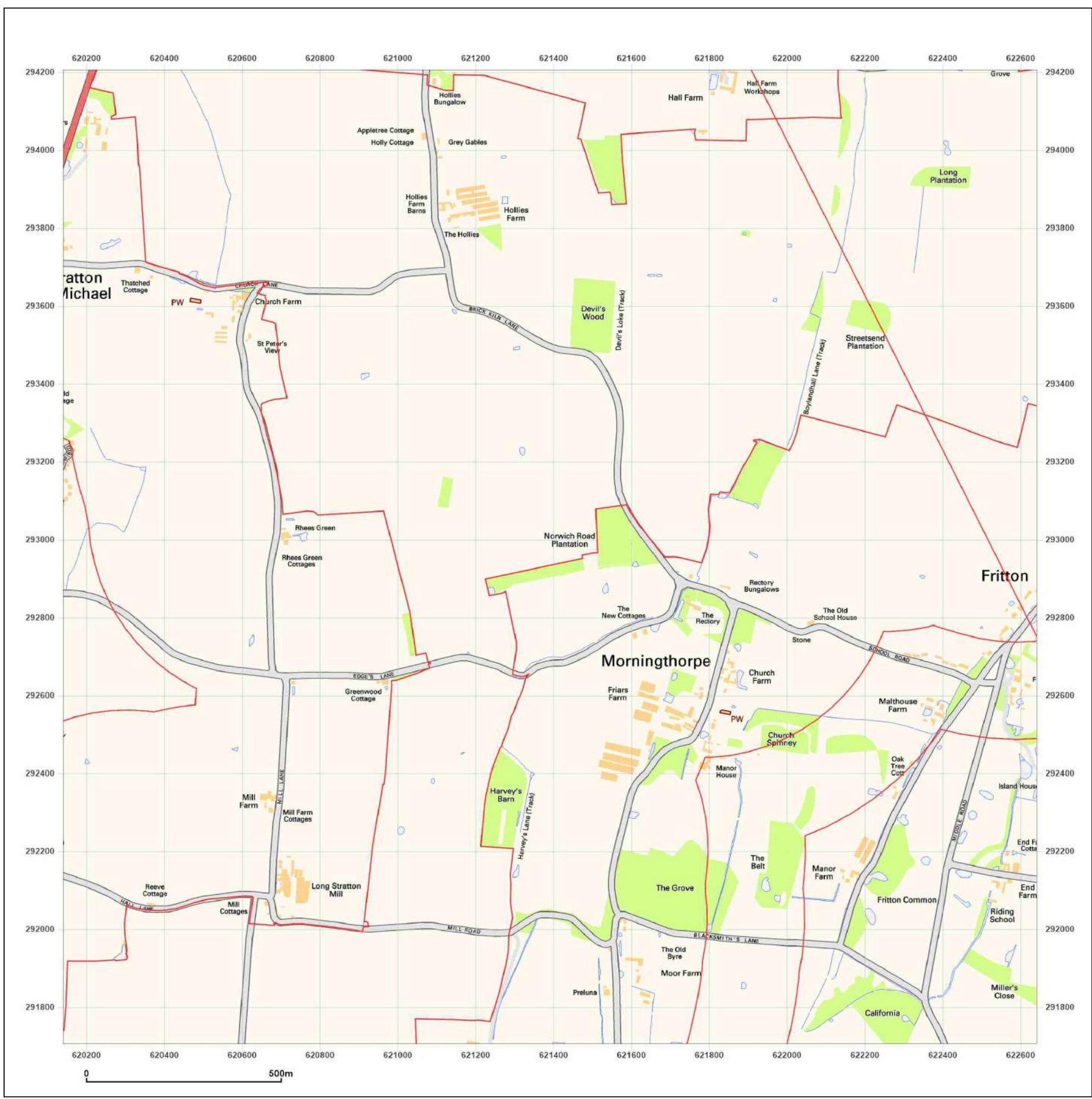


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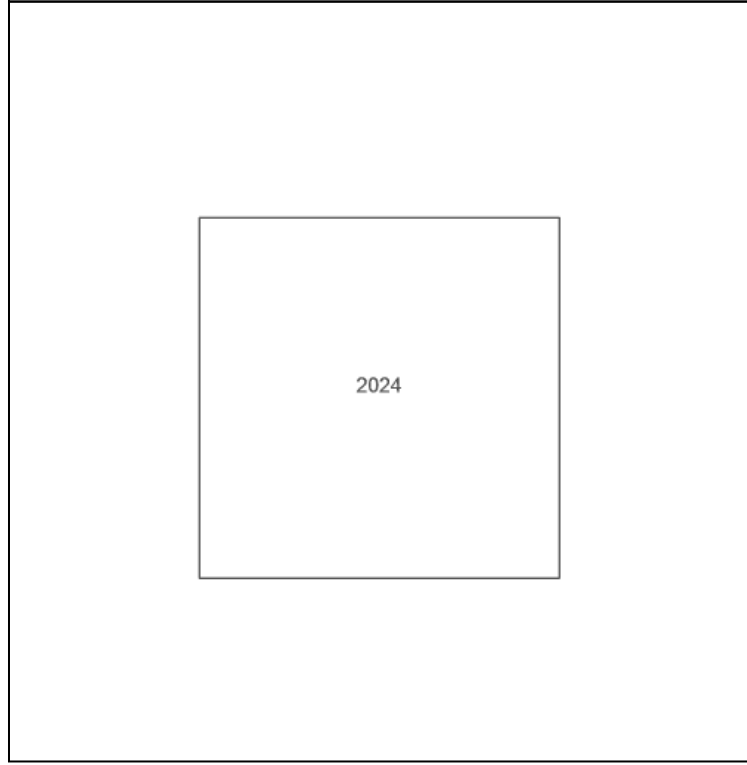
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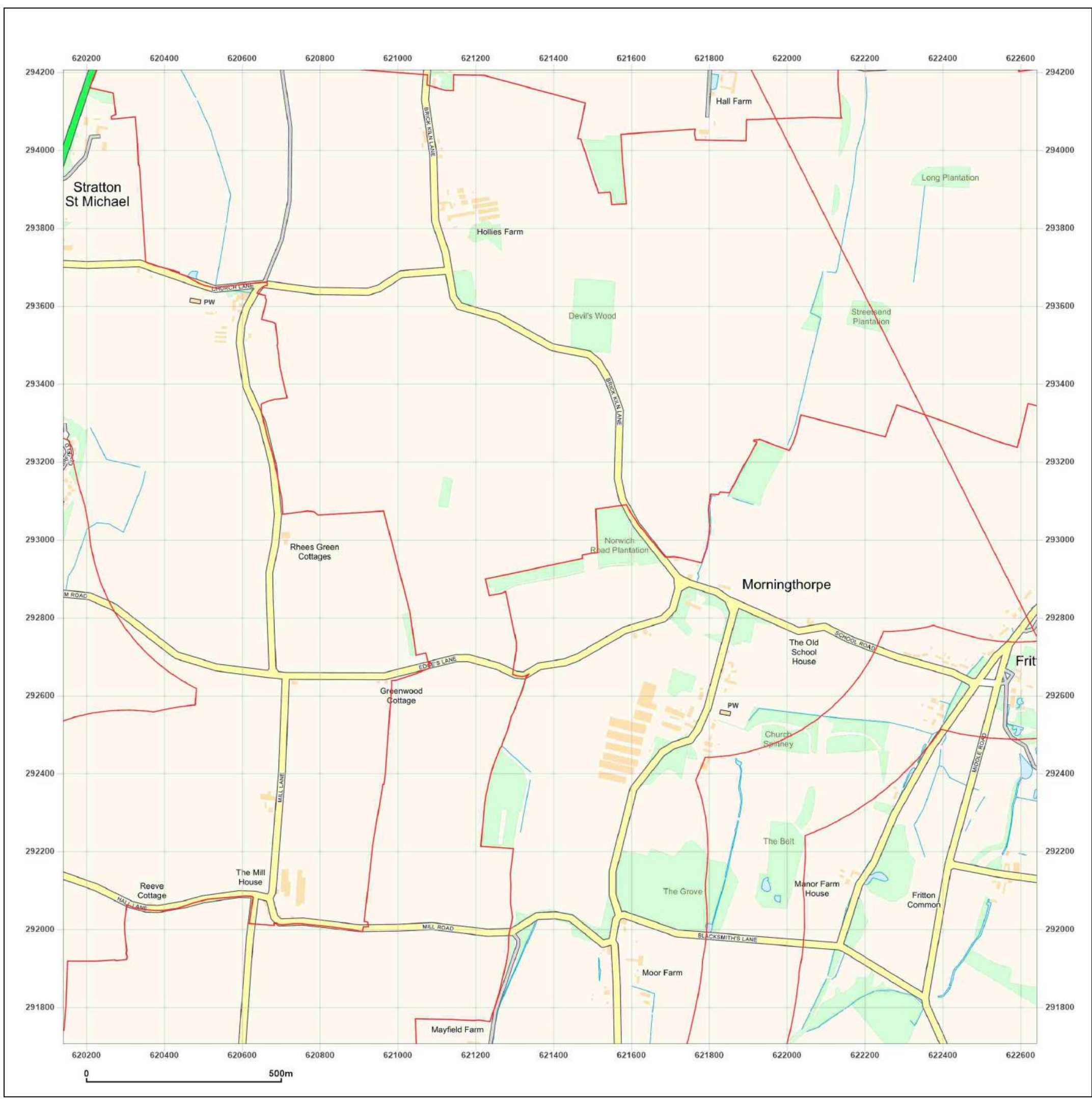


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
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**Grid Ref:** 621391, 295456

**Map Name:** County Series

**Map date:** 1881-1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
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**Grid Ref:** 621391, 295456

**Map Name:** County Series

**Map date:** 1907

**Scale:** 1:10,560

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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_4  
**Grid Ref:** 621391, 295456

**Map Name:** County Series

**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



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Surveyed 1880  
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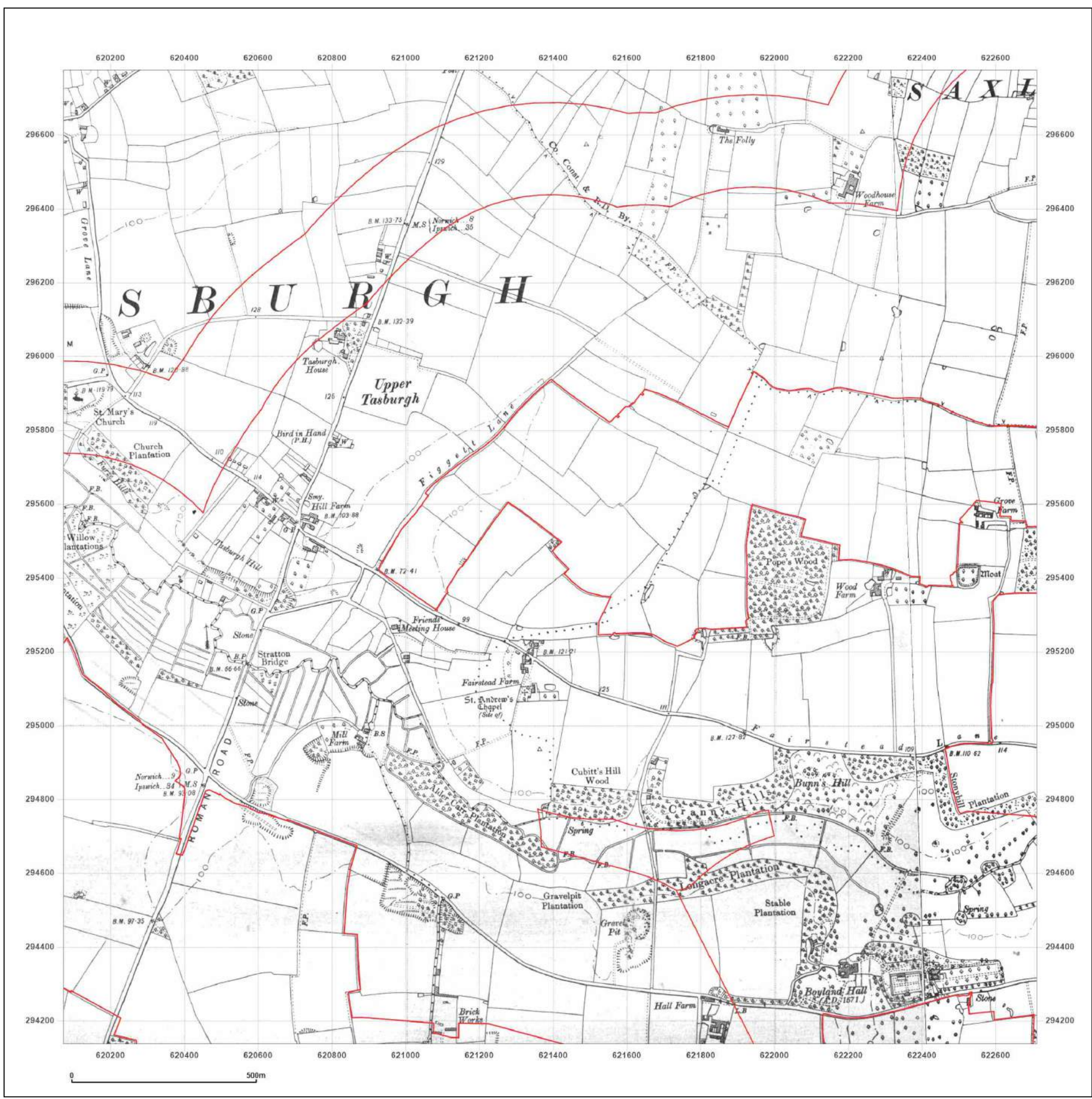


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**Site Details:**

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**Grid Ref:** 621391, 295456

**Map Name:** Provisional

**Map date:** 1951

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Revised 1951  
 Edition N/A  
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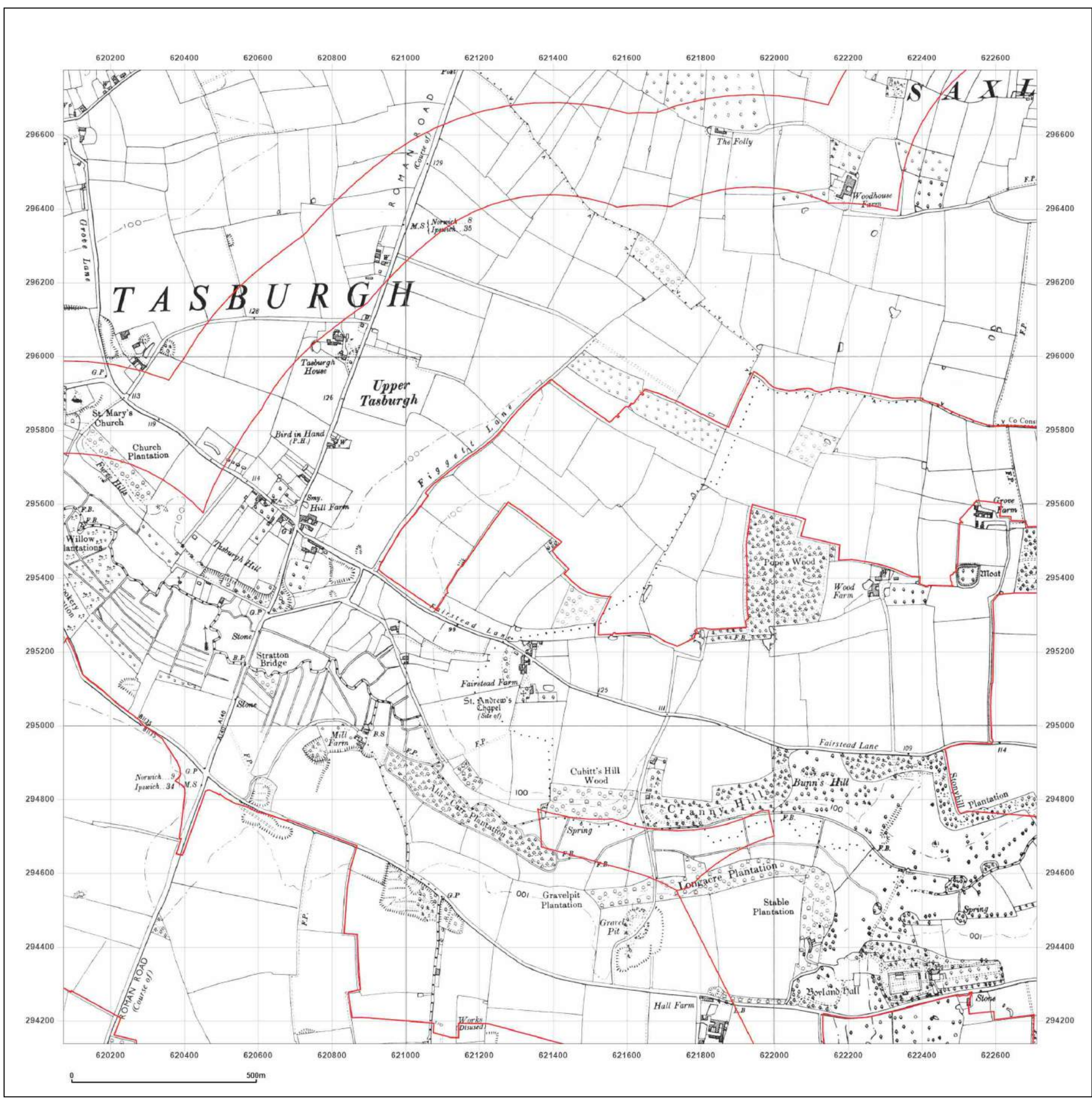


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**Site Details:**

Long Stratton

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**Grid Ref:** 621391, 295456

**Map Name:** National Grid

**Map date:** 1977-1979

**Scale:** 1:10,000

**Printed at:** 1:10,000



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**Site Details:**

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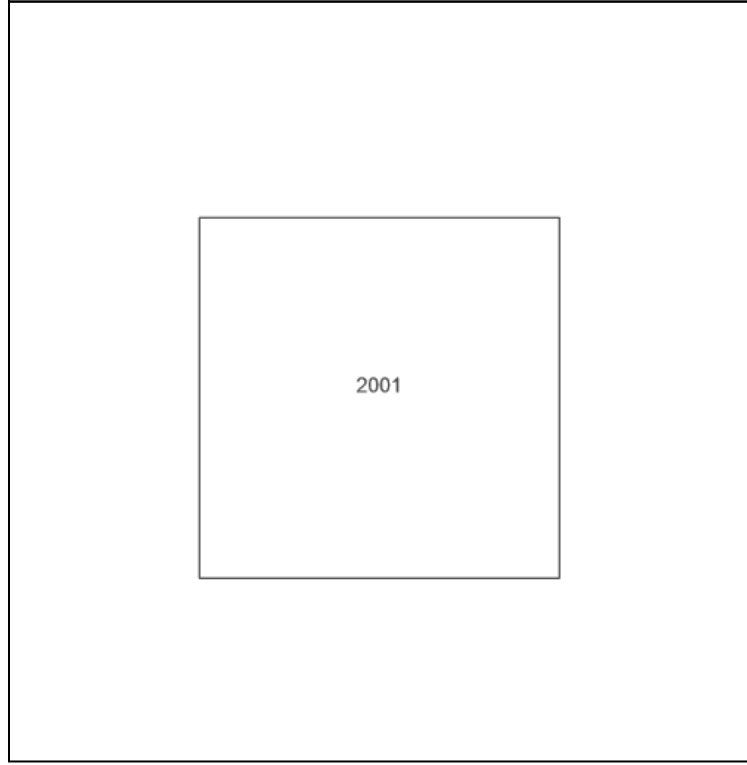
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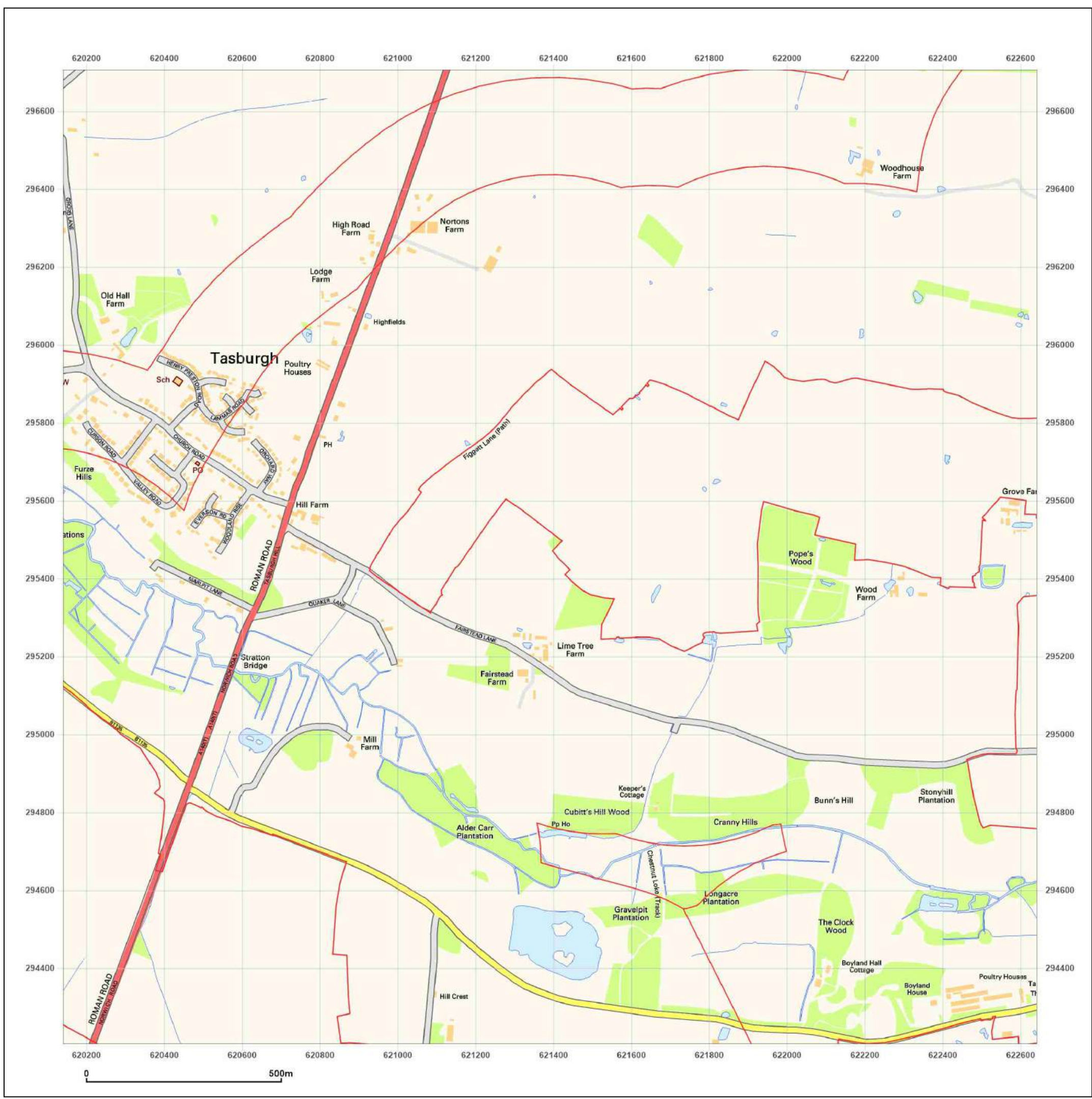


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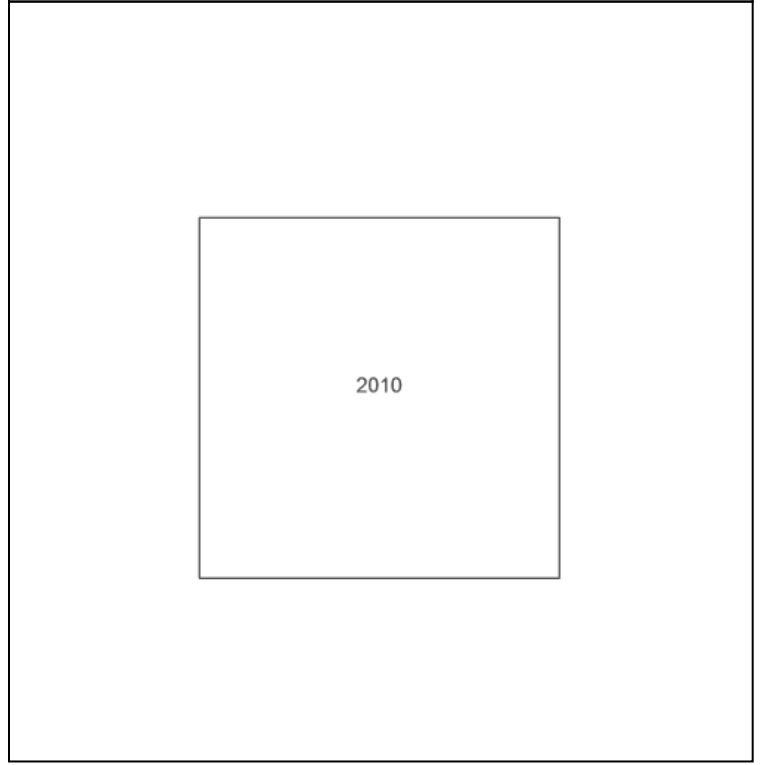
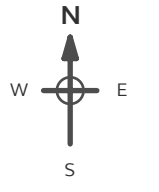
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**Client Ref:** East Pye Solar  
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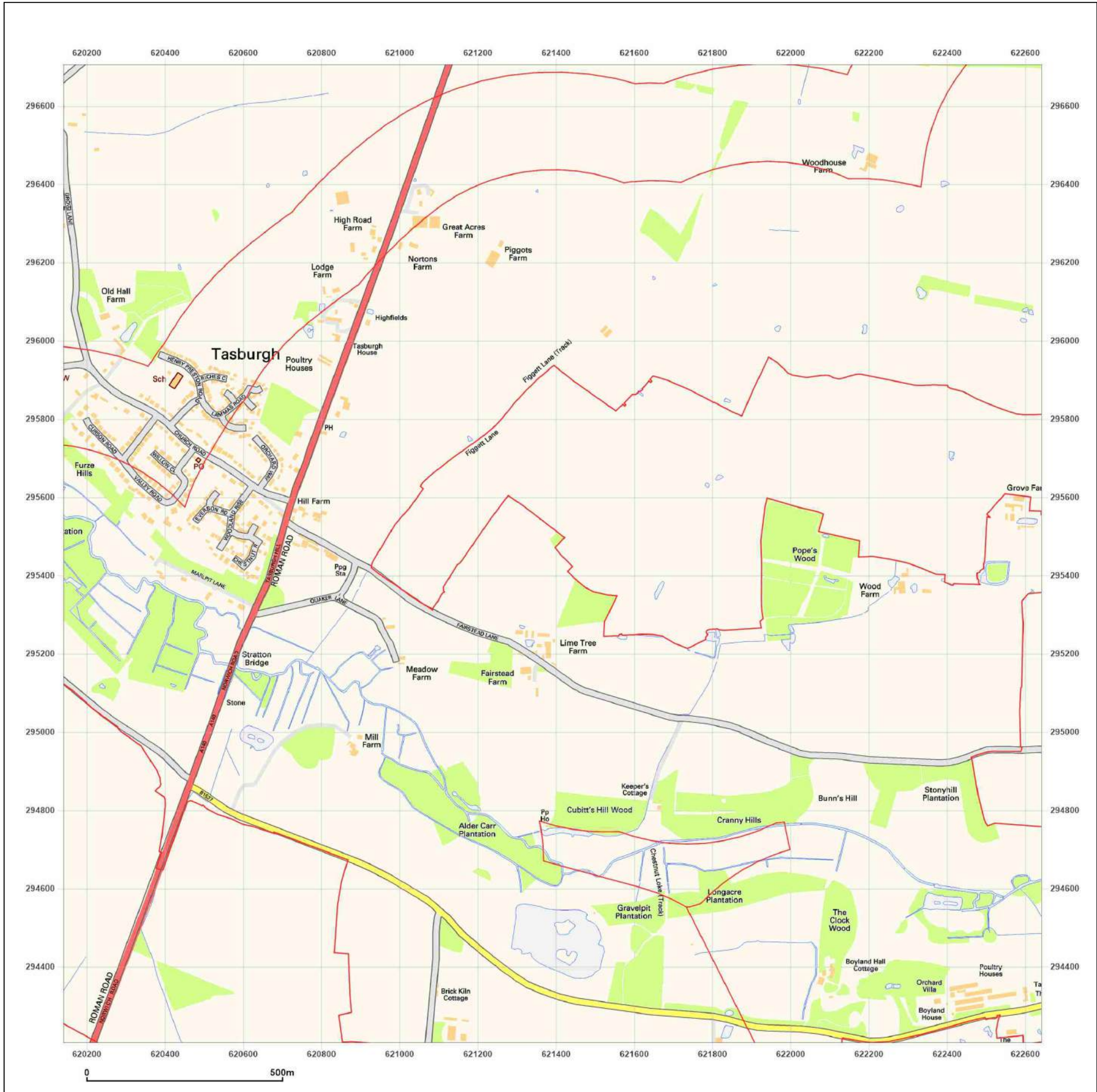


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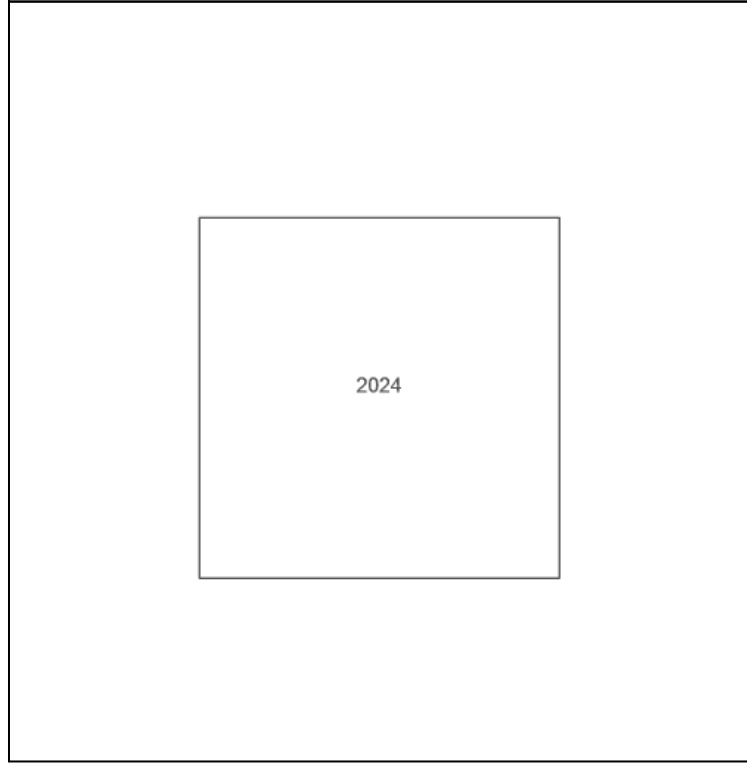
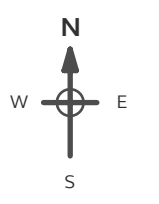


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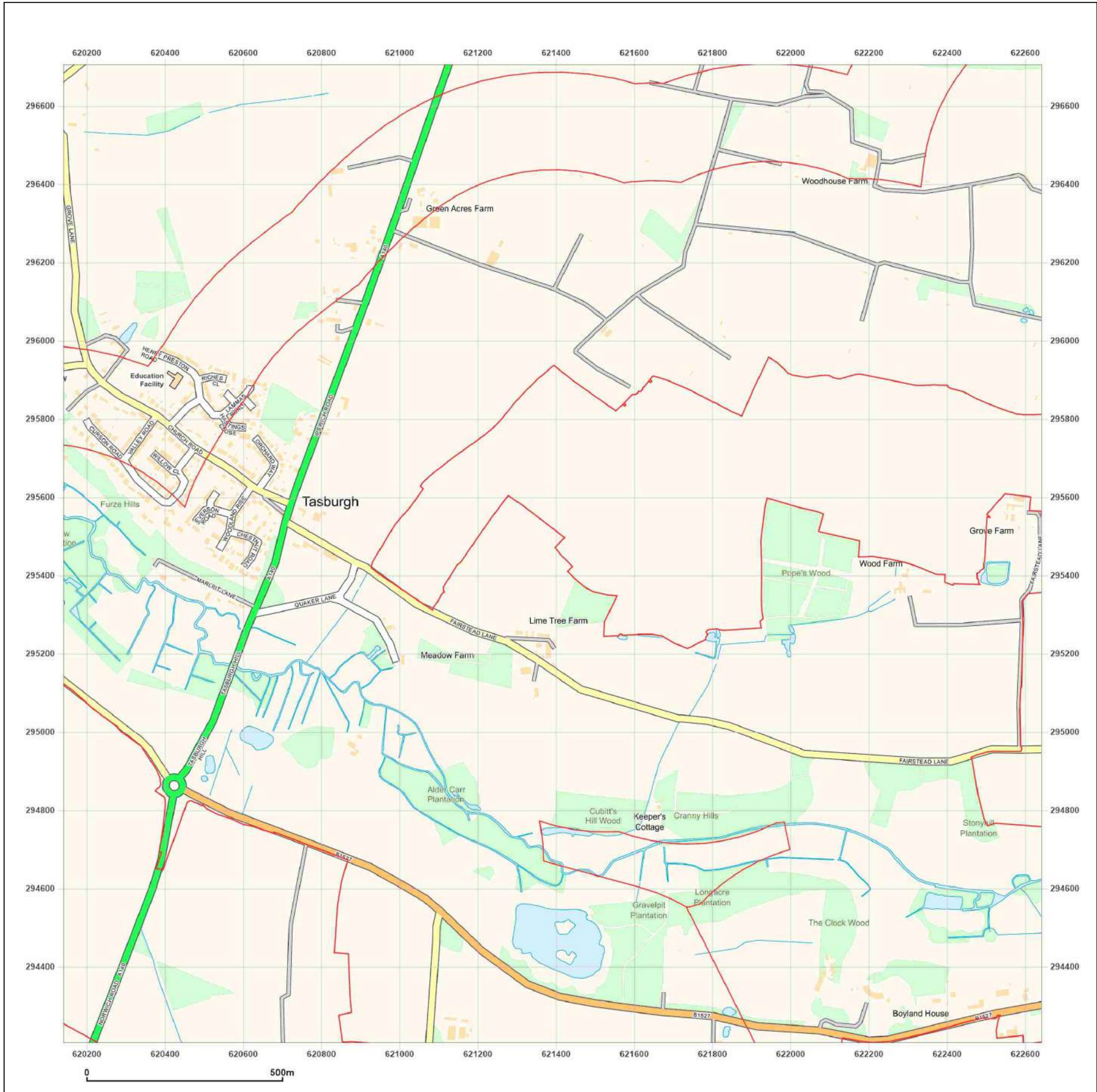
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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_5  
**Grid Ref:** 621391, 297956

**Map Name:** County Series

**Map date:** 1881-1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



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| <p>Surveyed 1883<br/>                 Revised 1883<br/>                 Edition N/A<br/>                 Copyright N/A<br/>                 Levelled N/A</p> | <p>Surveyed 1881<br/>                 Revised 1881<br/>                 Edition N/A<br/>                 Copyright N/A<br/>                 Levelled N/A</p> |



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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_5  
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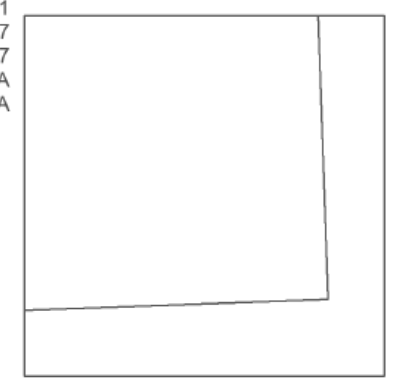
**Map date:** 1907

**Scale:** 1:10,560

**Printed at:** 1:10,560



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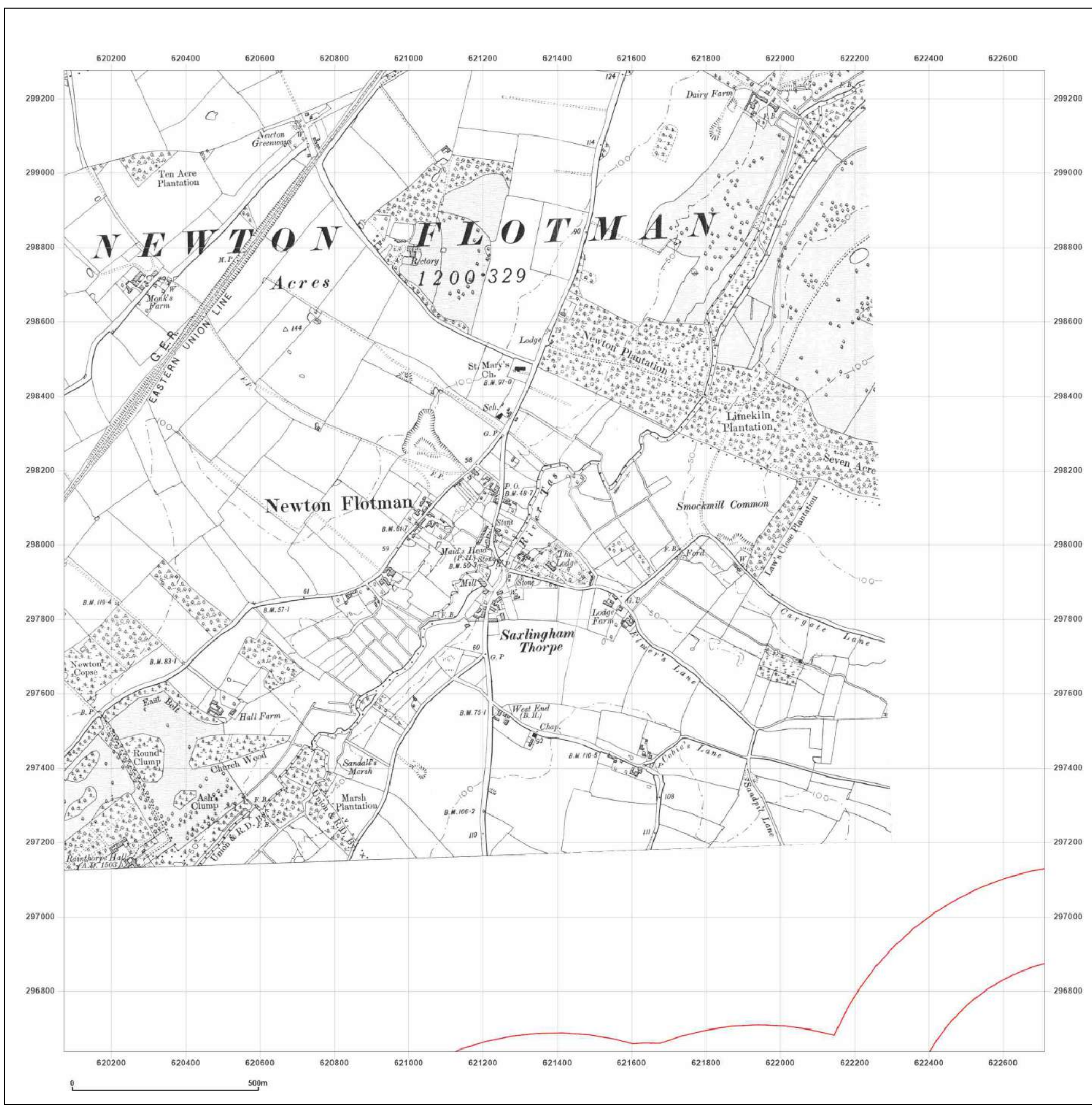


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**Site Details:**

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**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_5  
**Grid Ref:** 621391, 297956

**Map Name:** County Series

**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



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| <p>Surveyed 1881<br/>         Revised 1946<br/>         Edition N/A<br/>         Copyright N/A<br/>         Levelled N/A</p> | <p>Surveyed 1880<br/>         Revised 1946<br/>         Edition N/A<br/>         Copyright N/A<br/>         Levelled N/A</p> |

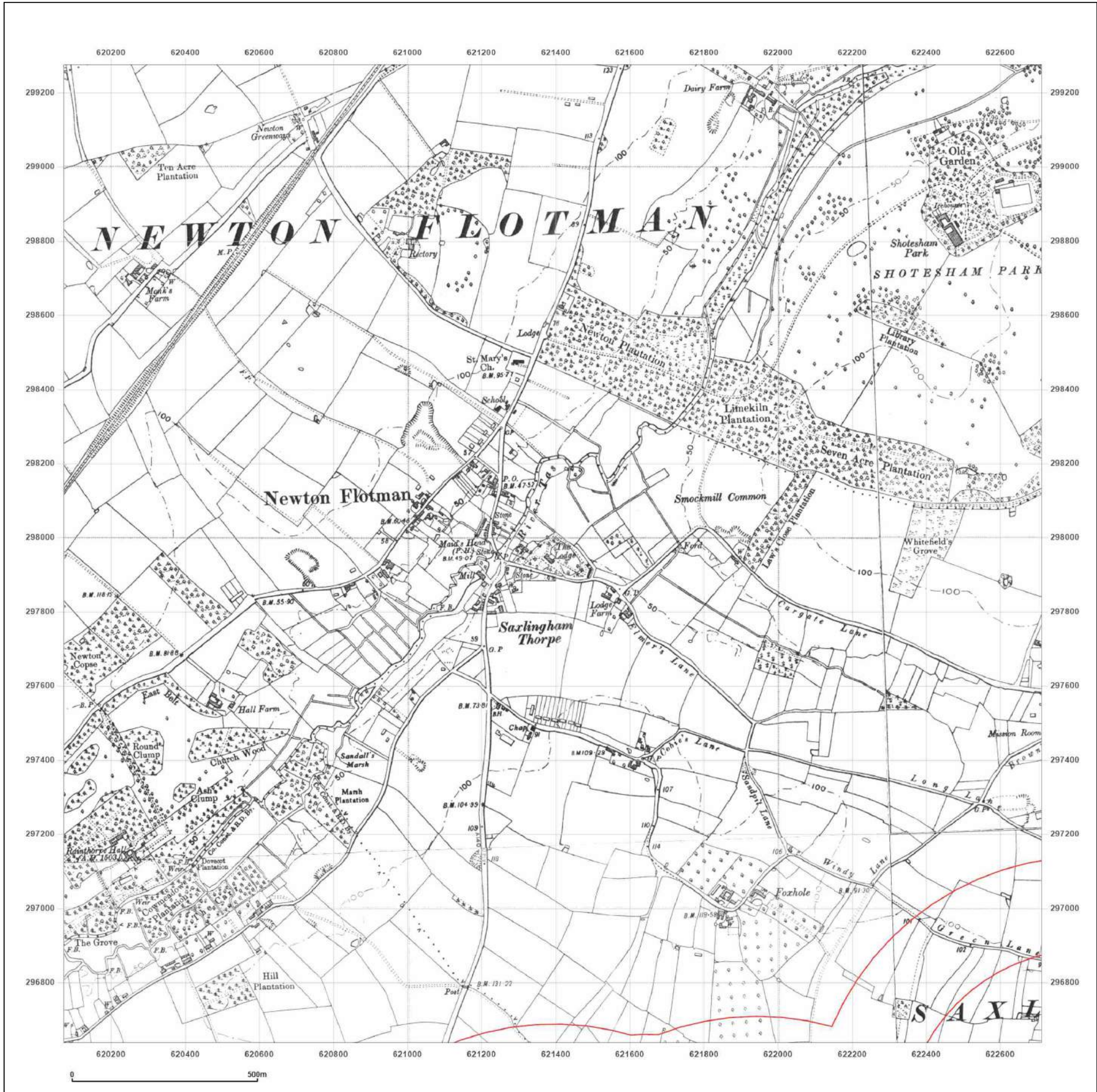


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_5  
**Grid Ref:** 621391, 297956

**Map Name:** Provisional

**Map date:** 1951

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1951  
 Revised 1951  
 Edition N/A  
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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_3\_5  
**Grid Ref:** 621391, 297956

**Map Name:** National Grid

**Map date:** 1977

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1973  
 Revised 1977  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

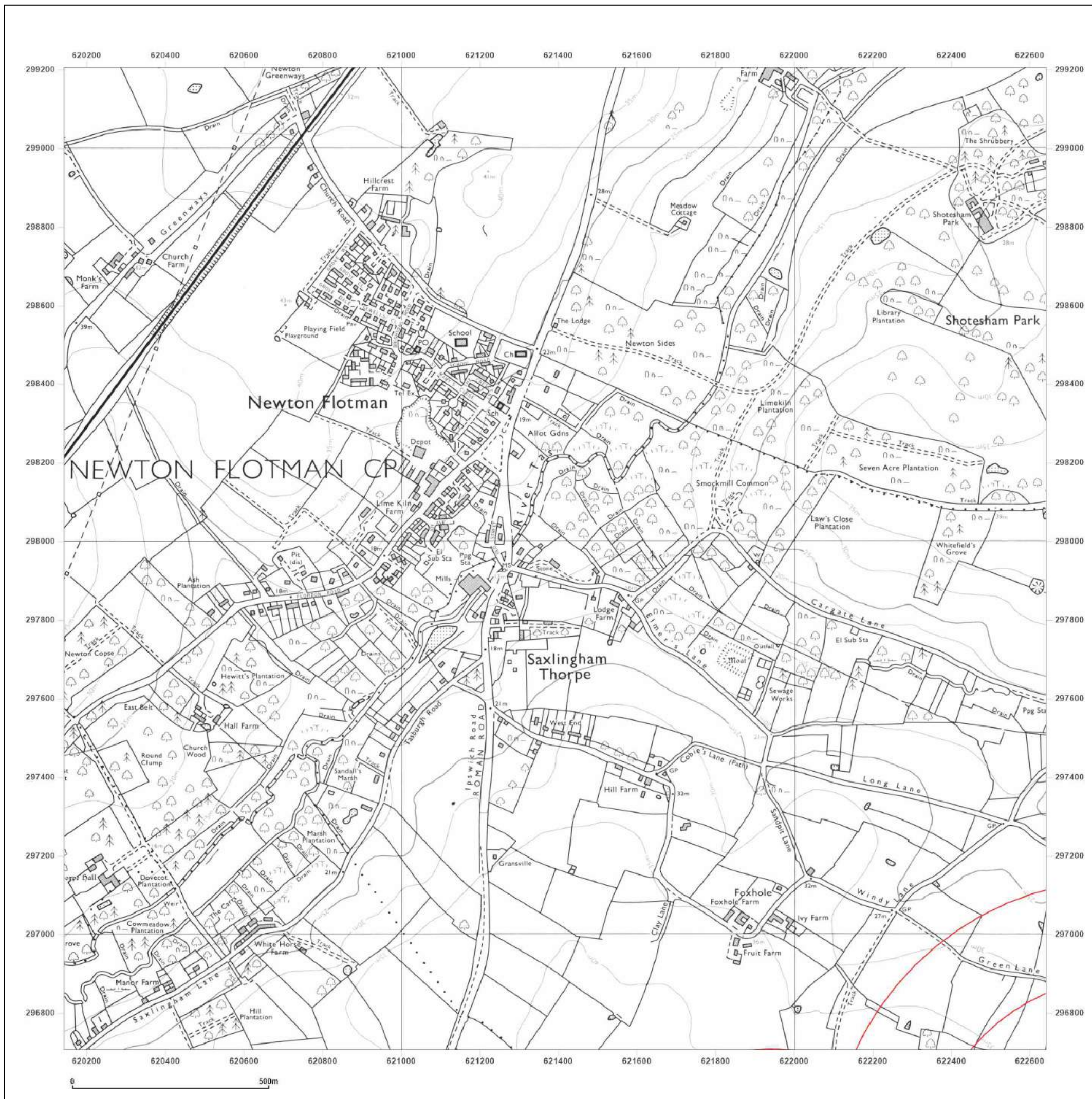


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**Site Details:**

Long Stratton

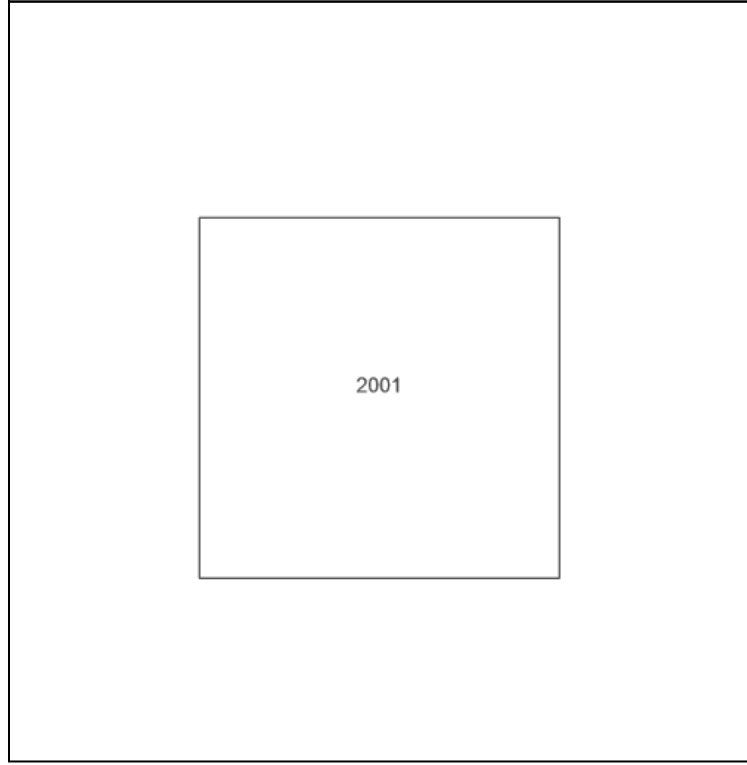
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**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

**Printed at:** 1:10,000

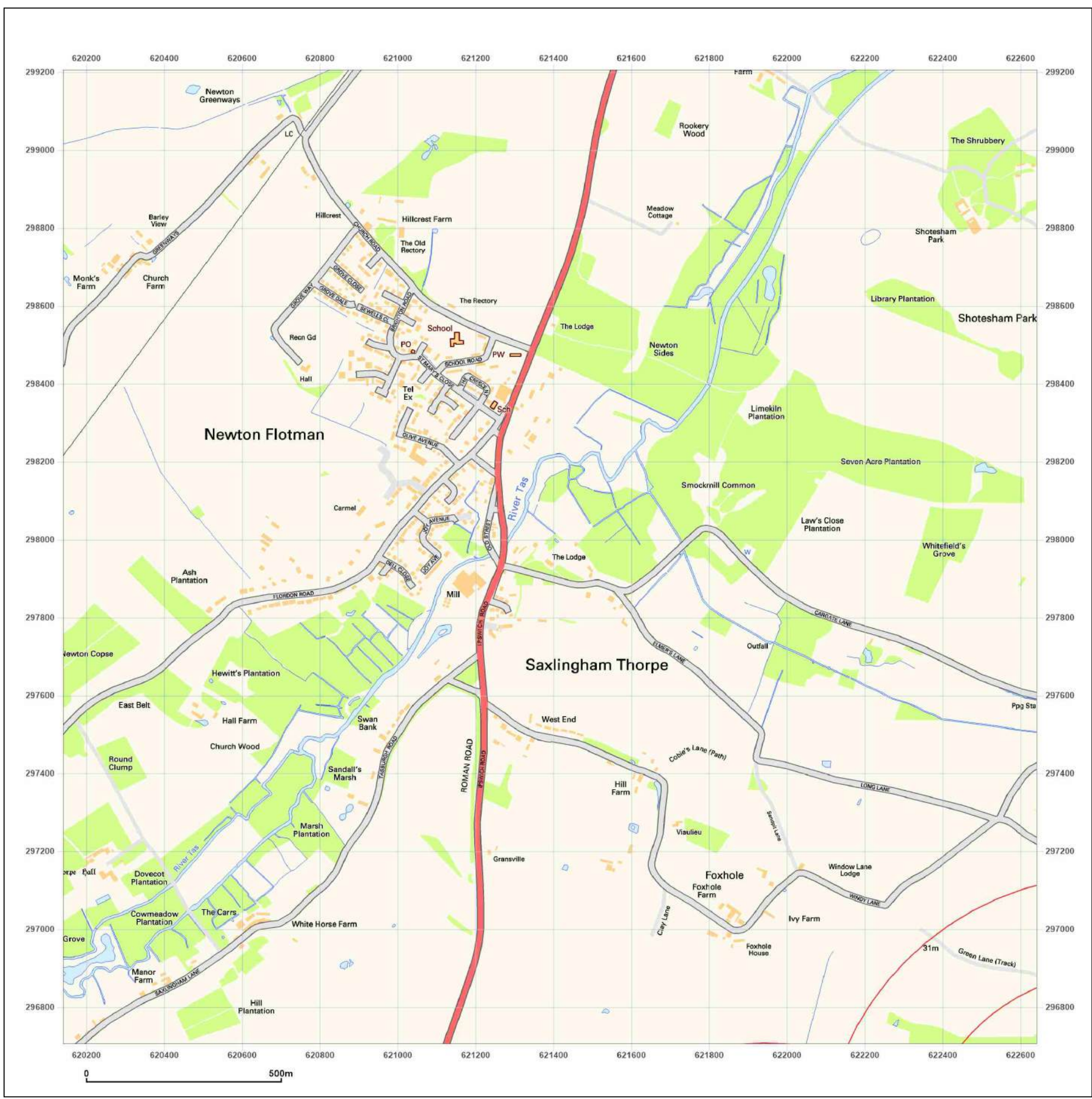


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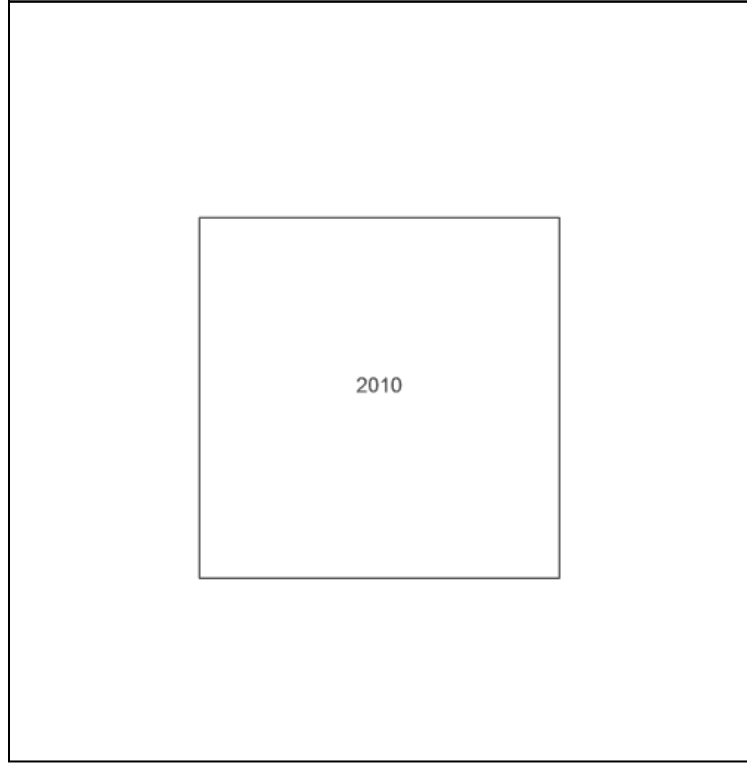
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**Map Name:** National Grid

**Map date:** 2010

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**Printed at:** 1:10,000

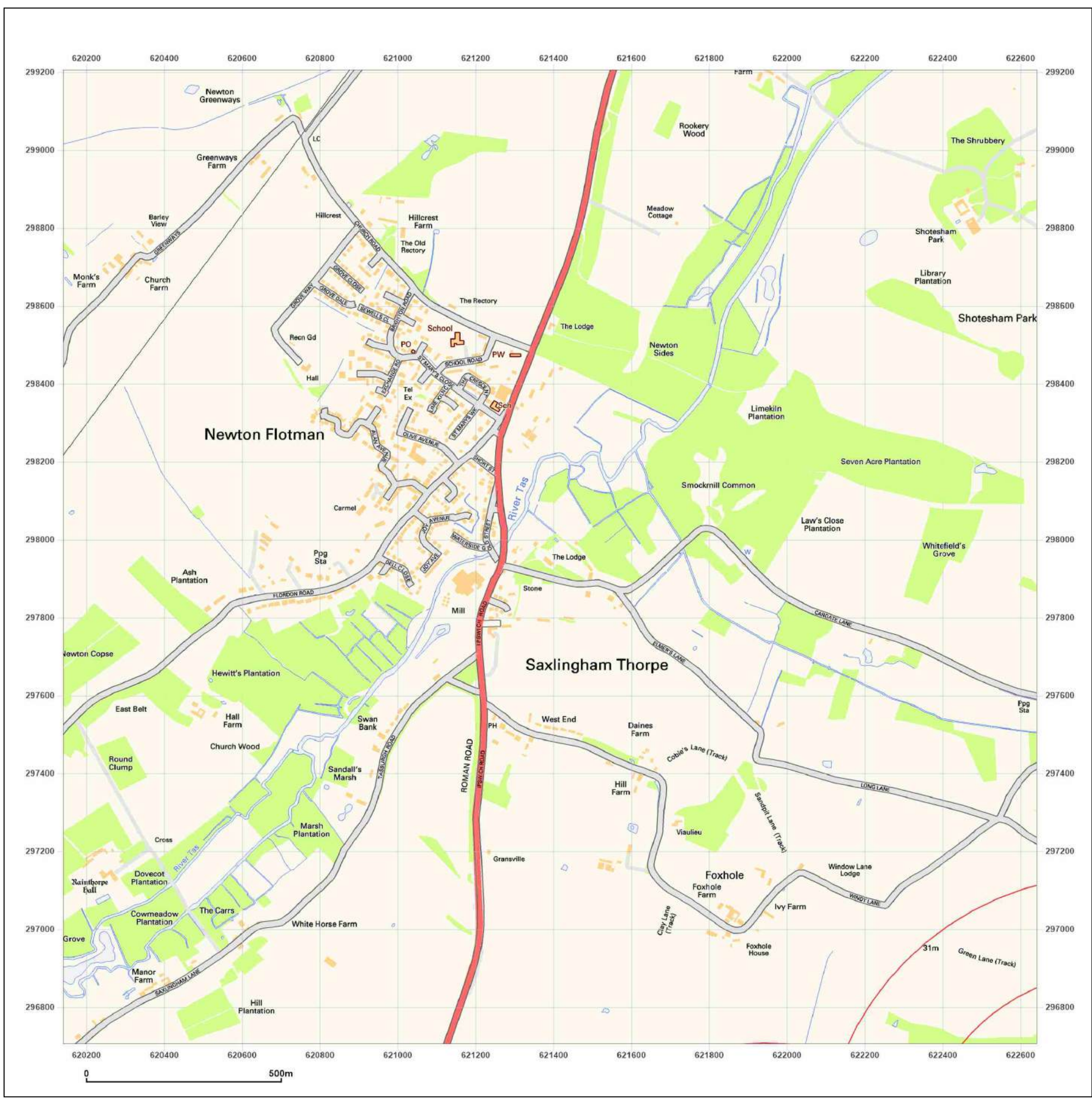


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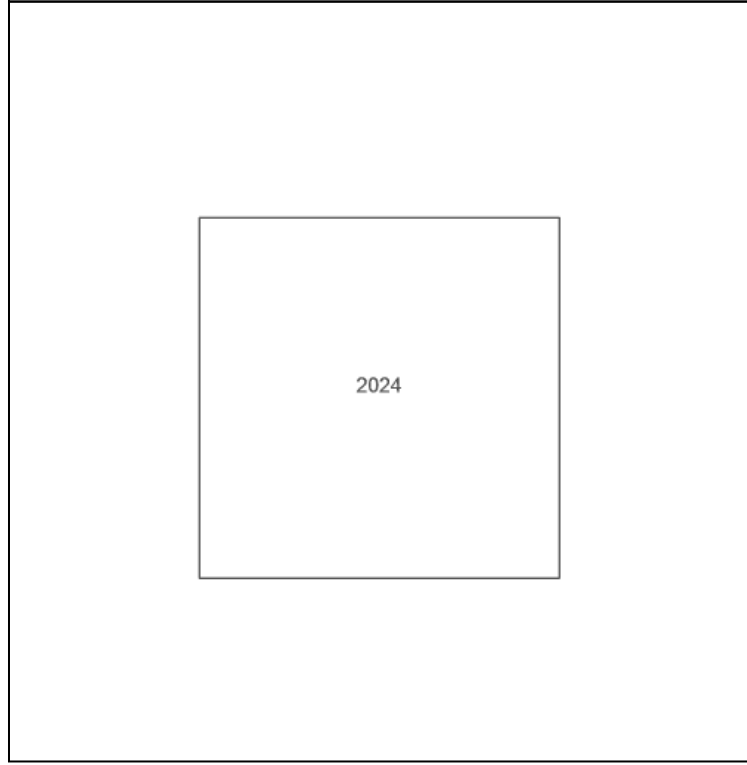
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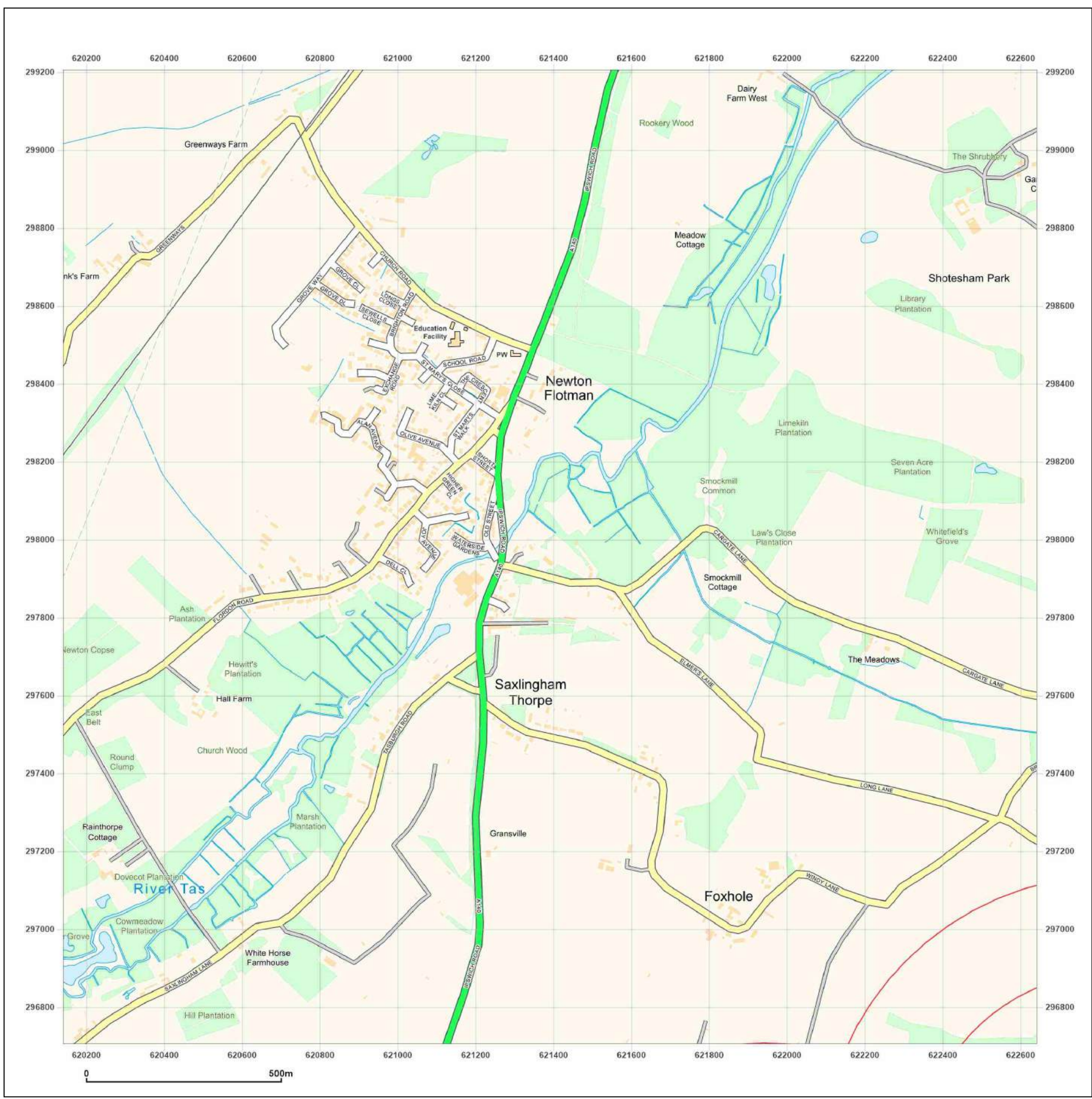


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_2  
**Grid Ref:** 623891, 290456

**Map Name:** County Series

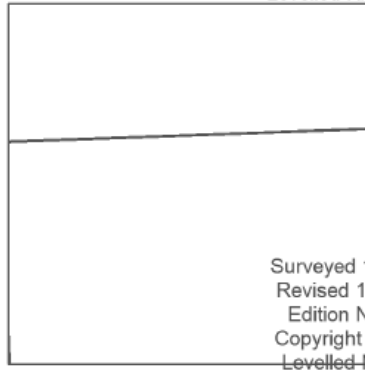
**Map date:** 1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1883  
 Revised 1883  
 Edition N/A  
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Surveyed 1883  
 Revised 1883  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

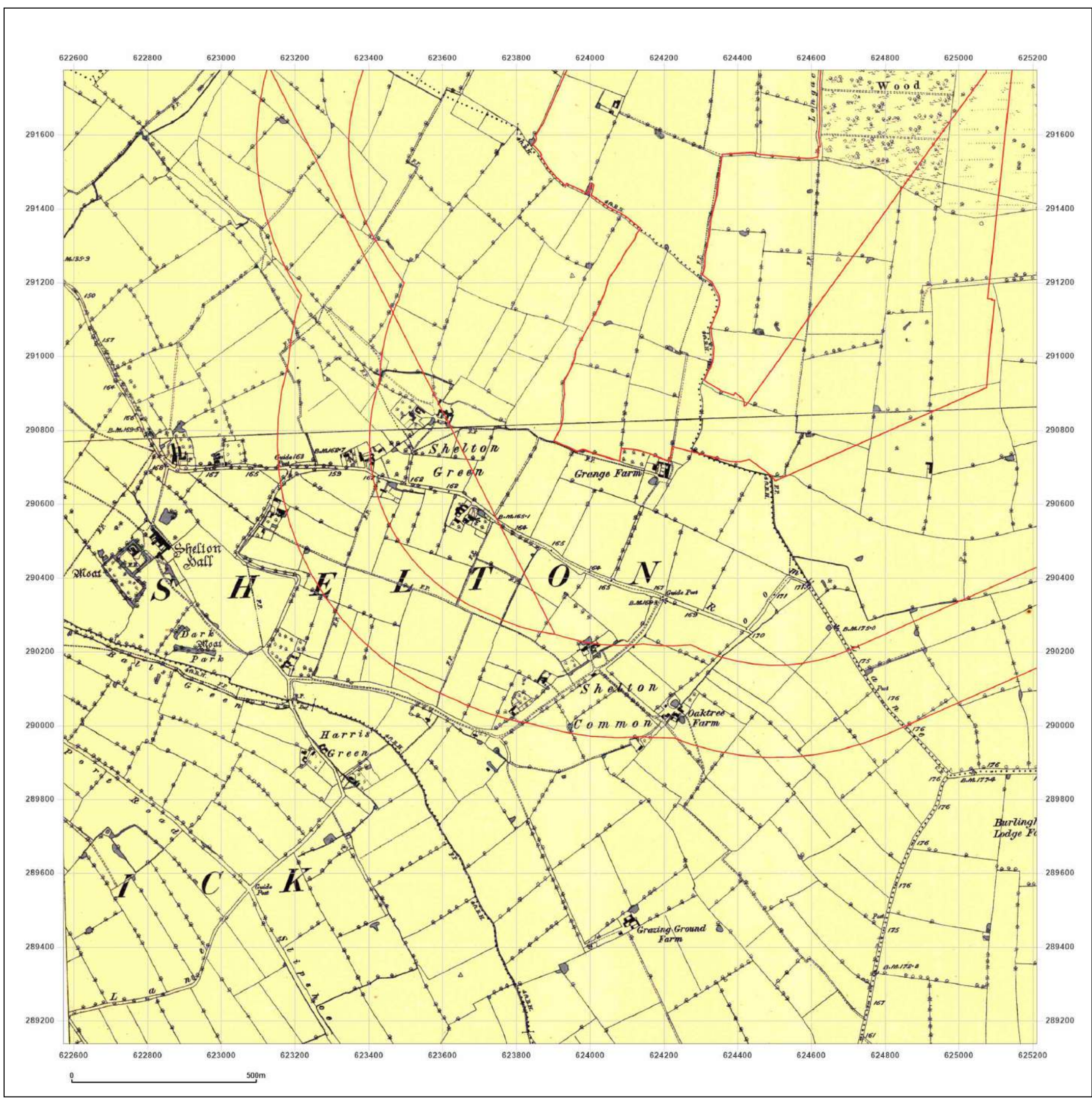


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**Site Details:**

Long Stratton

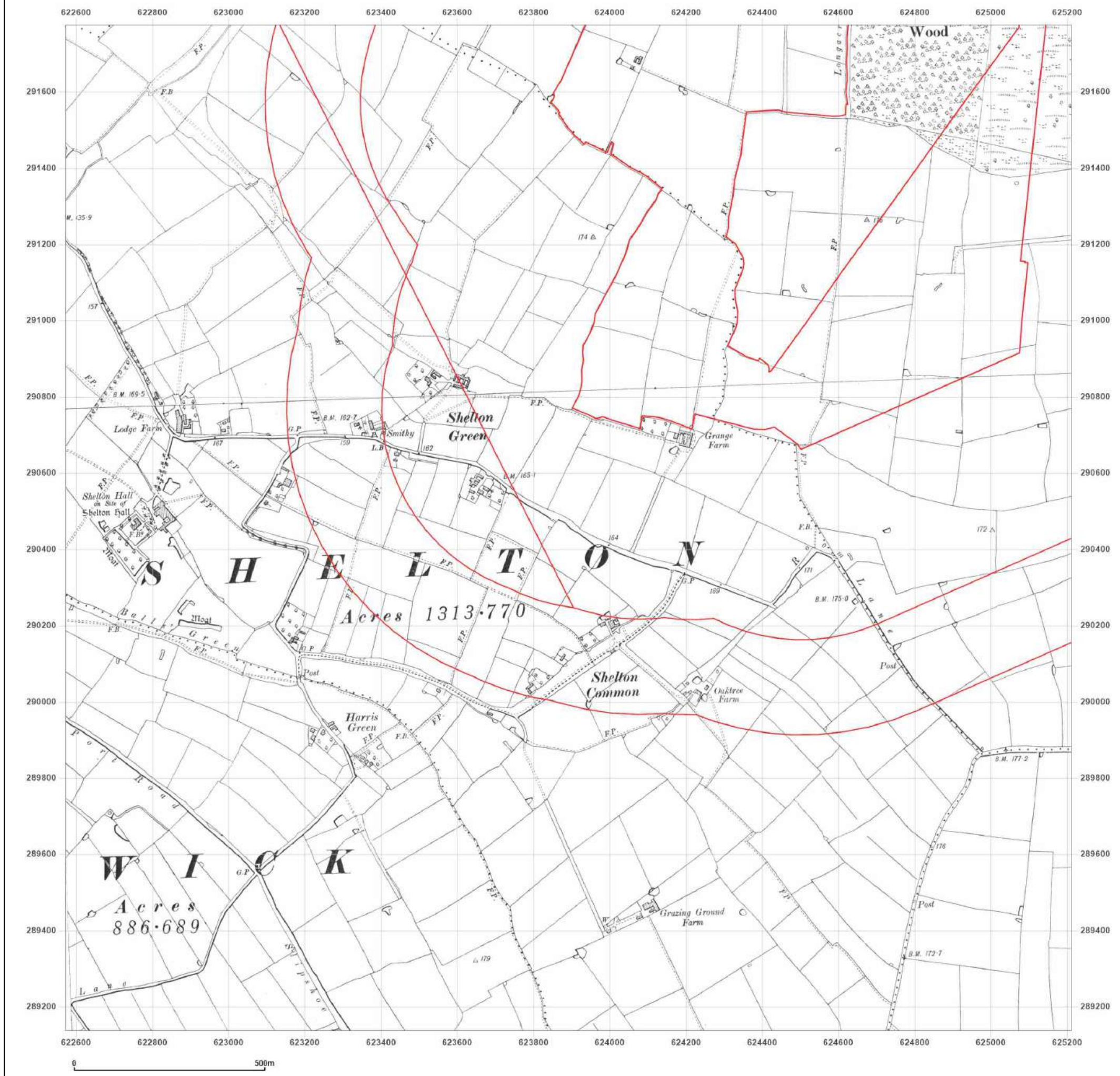
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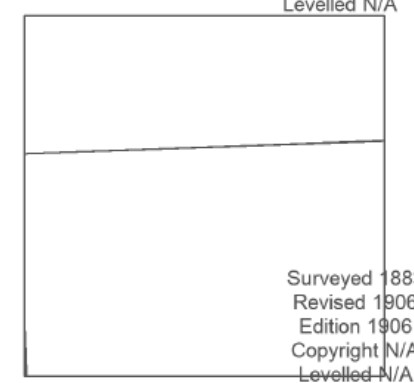
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**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Edition 1906  
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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_2  
**Grid Ref:** 623891, 290456

**Map Name:** County Series

**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1883  
Revised 1946  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1883  
Revised 1946  
Edition N/A  
Copyright N/A  
Levelled N/A

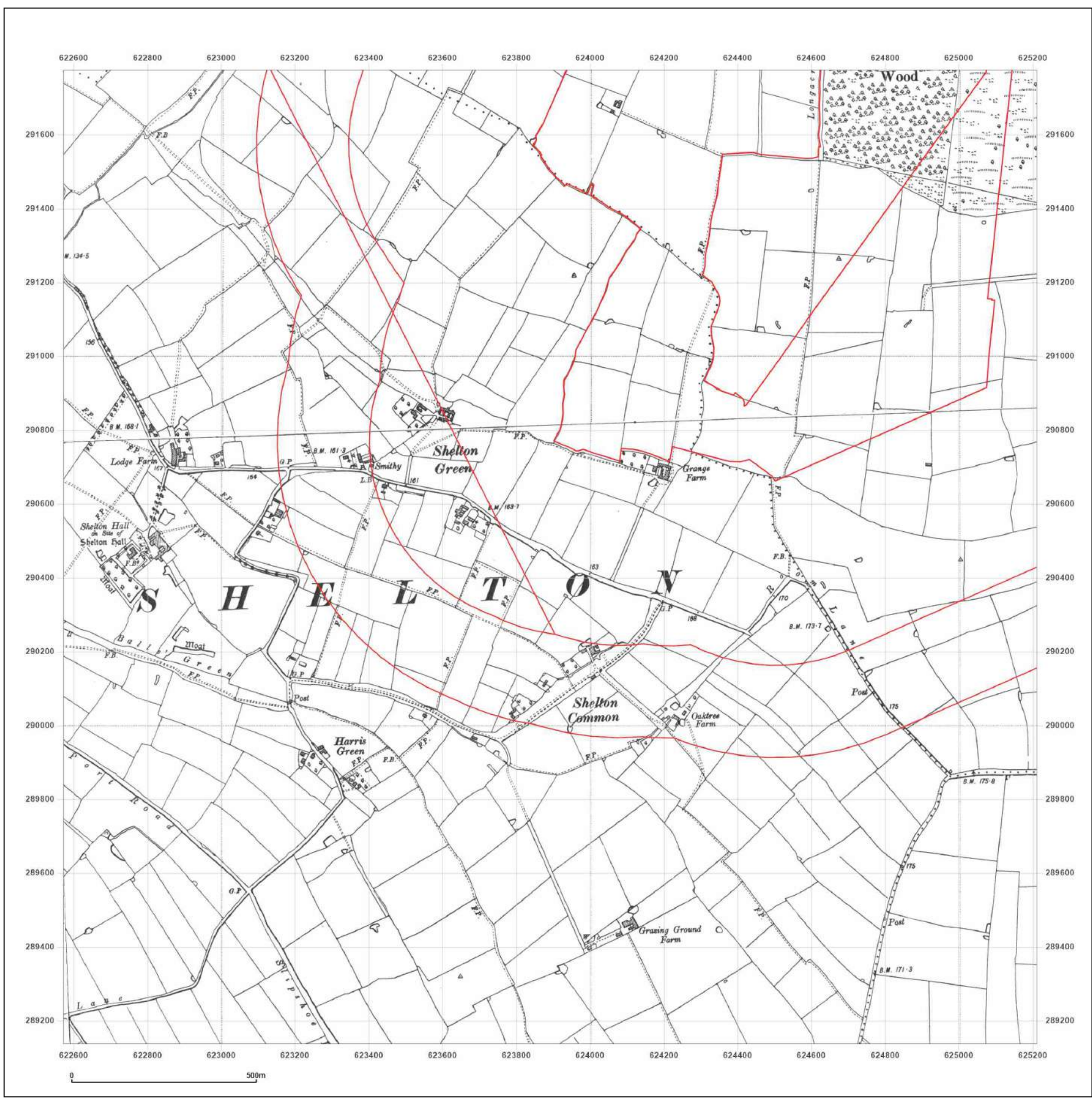


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**Site Details:**

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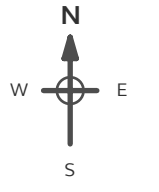
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**Grid Ref:** 623891, 290456

**Map Name:** Provisional

**Map date:** 1951

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Revised 1951  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1951  
 Revised 1951  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

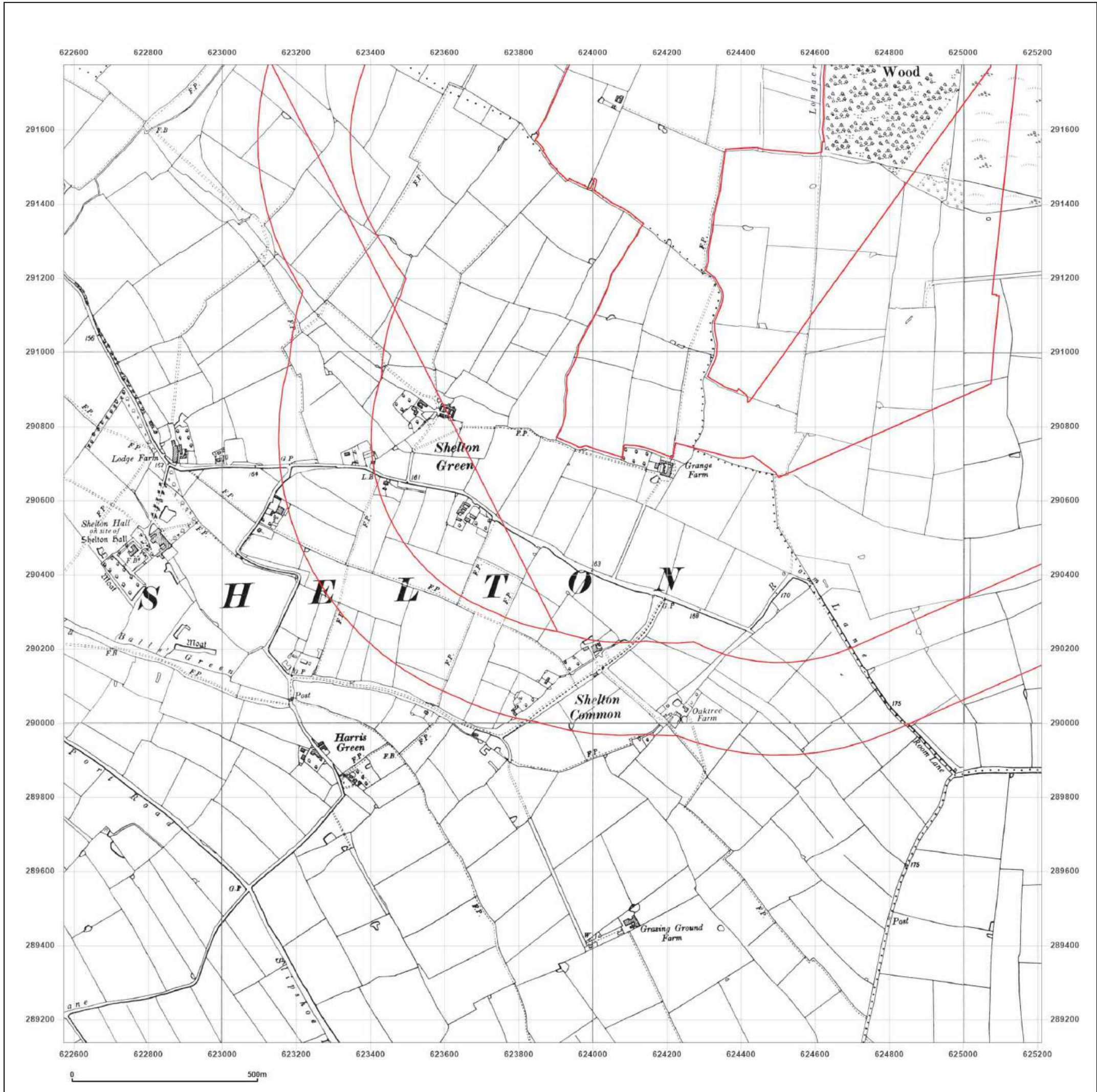


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_2  
**Grid Ref:** 623891, 290456

**Map Name:** National Grid

**Map date:** 1979-1983

**Scale:** 1:10,000

**Printed at:** 1:10,000



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 Revised 1979  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1976  
 Revised 1979  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1977  
 Revised 1983  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1977  
 Revised 1983  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

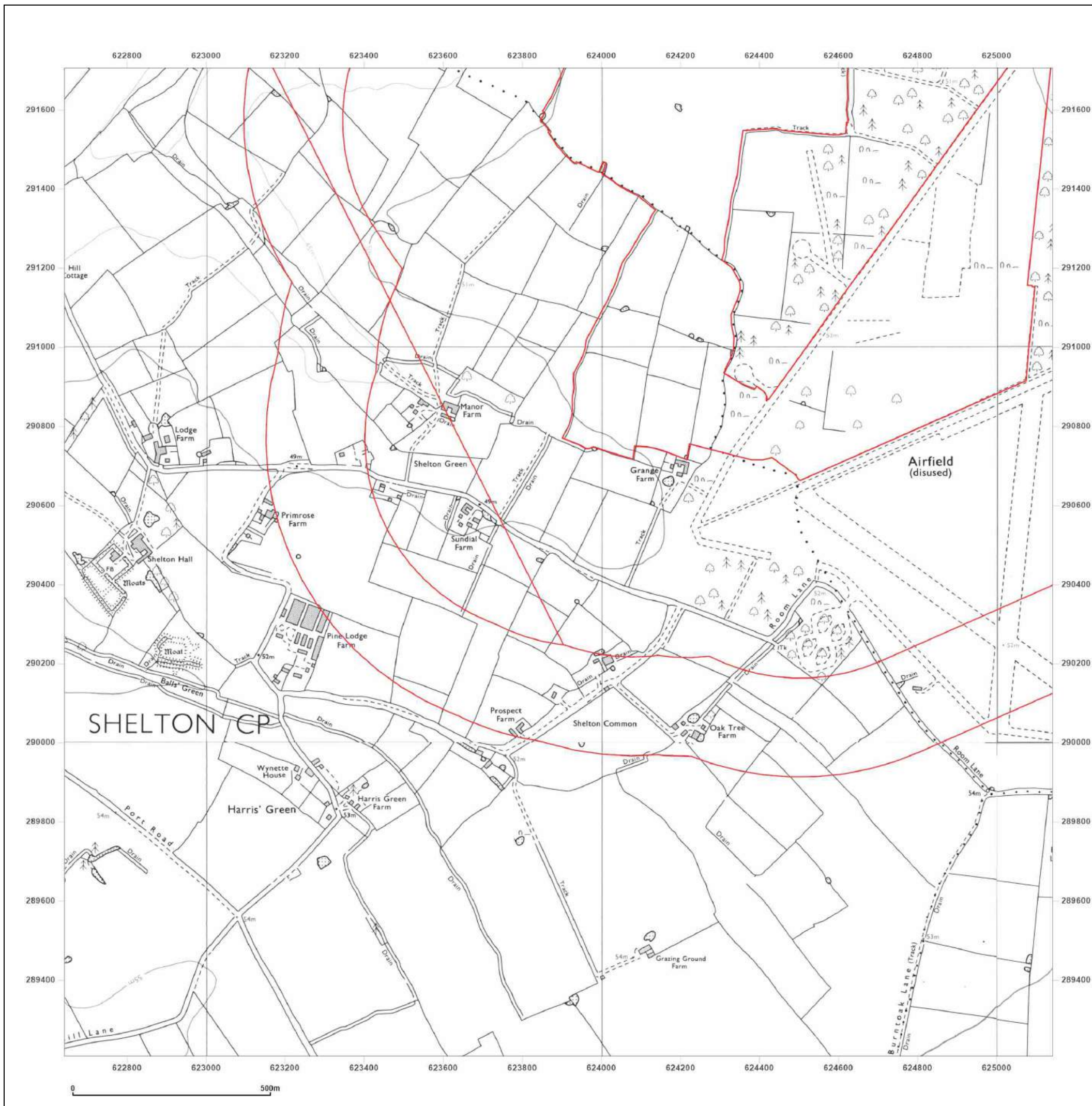


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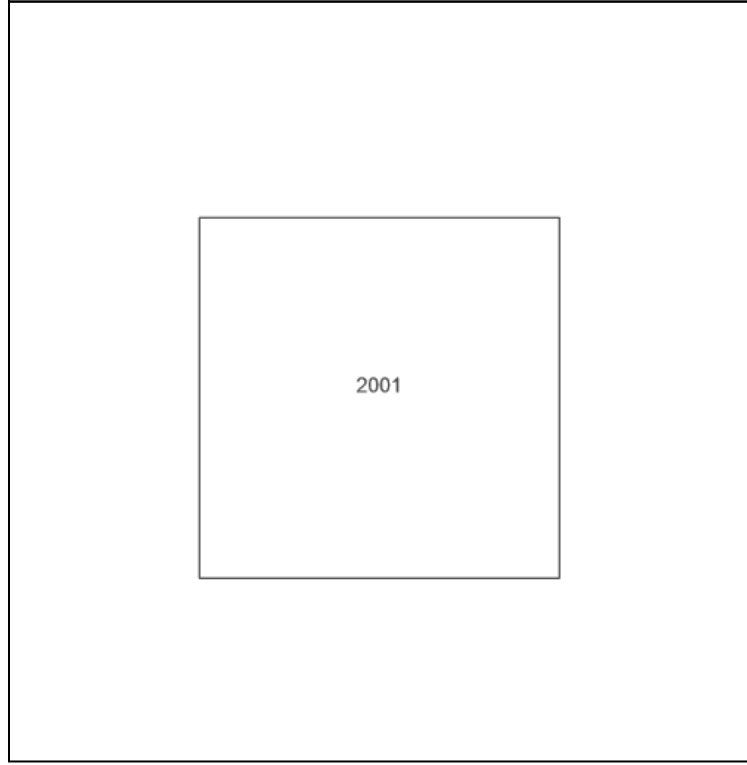
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**Grid Ref:** 623891, 290456

**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

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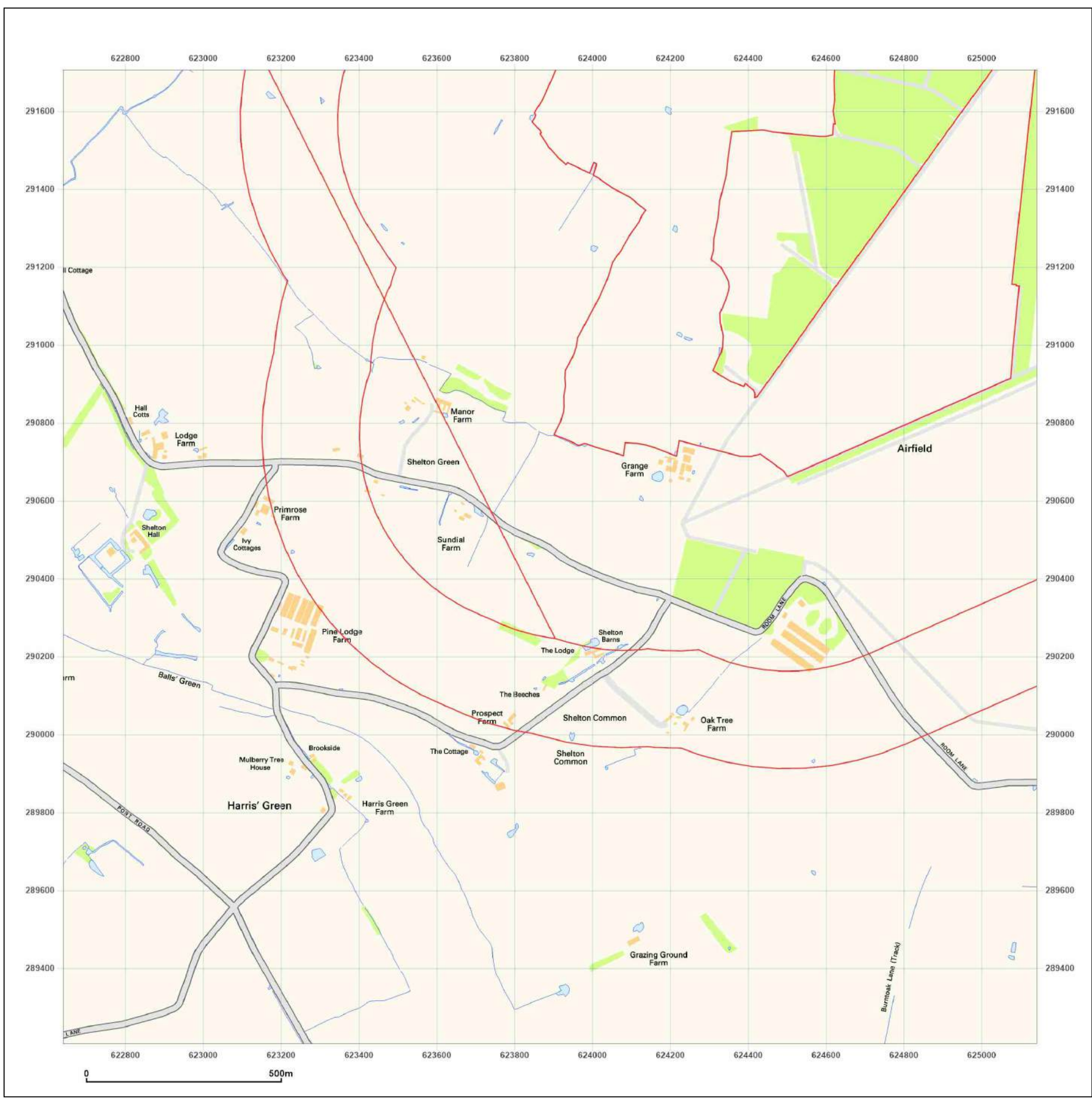


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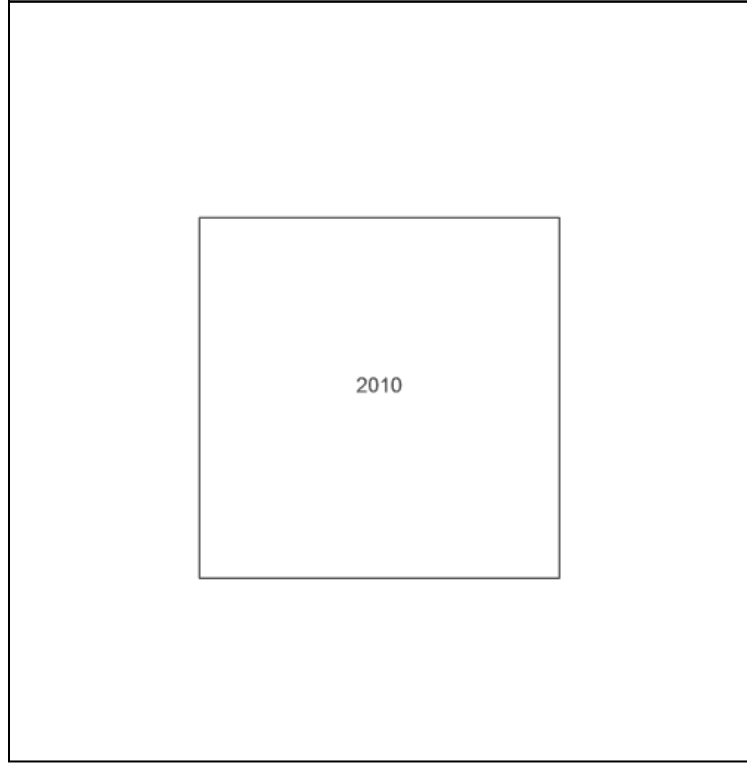
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**Grid Ref:** 623891, 290456

**Map Name:** National Grid

**Map date:** 2010

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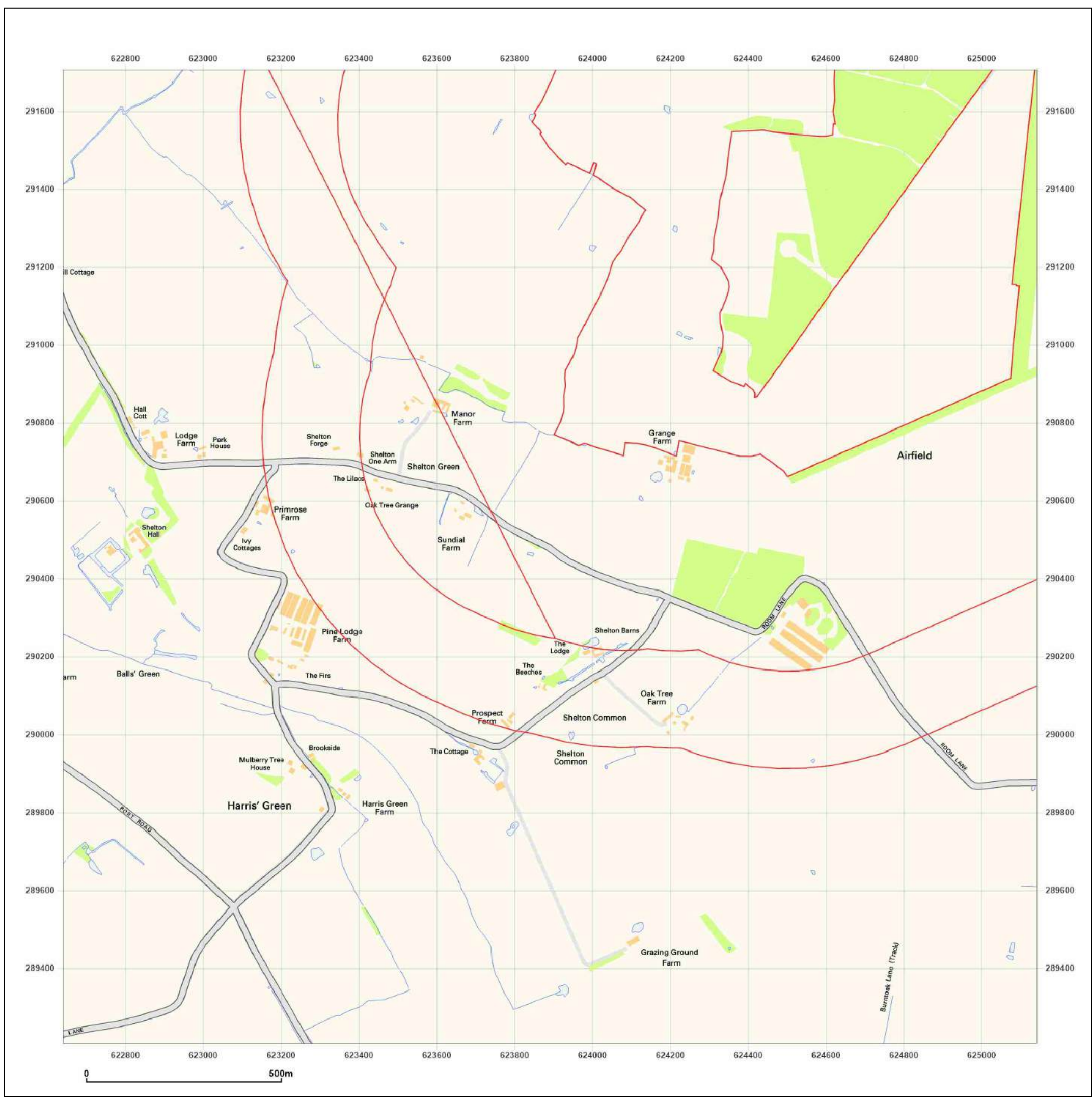


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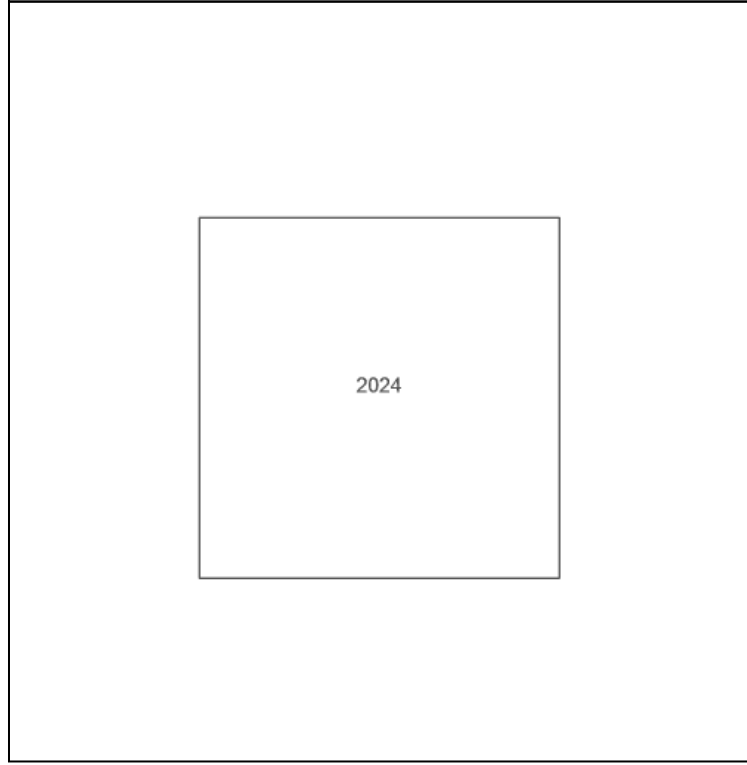
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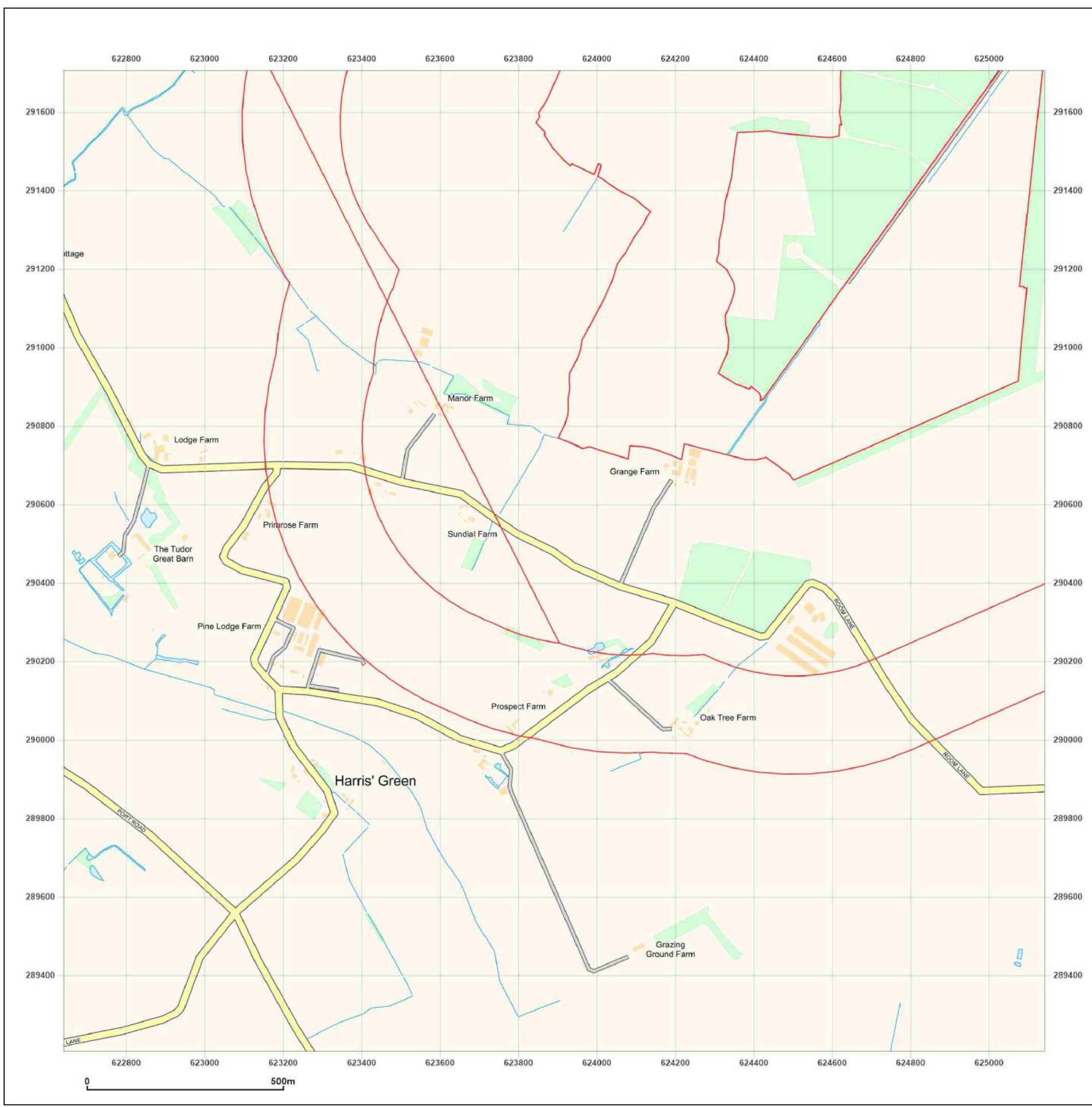


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**Site Details:**

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**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_3  
**Grid Ref:** 623891, 292956

**Map Name:** County Series

**Map date:** 1881-1883

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Revised 1881  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1883  
 Revised 1883  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

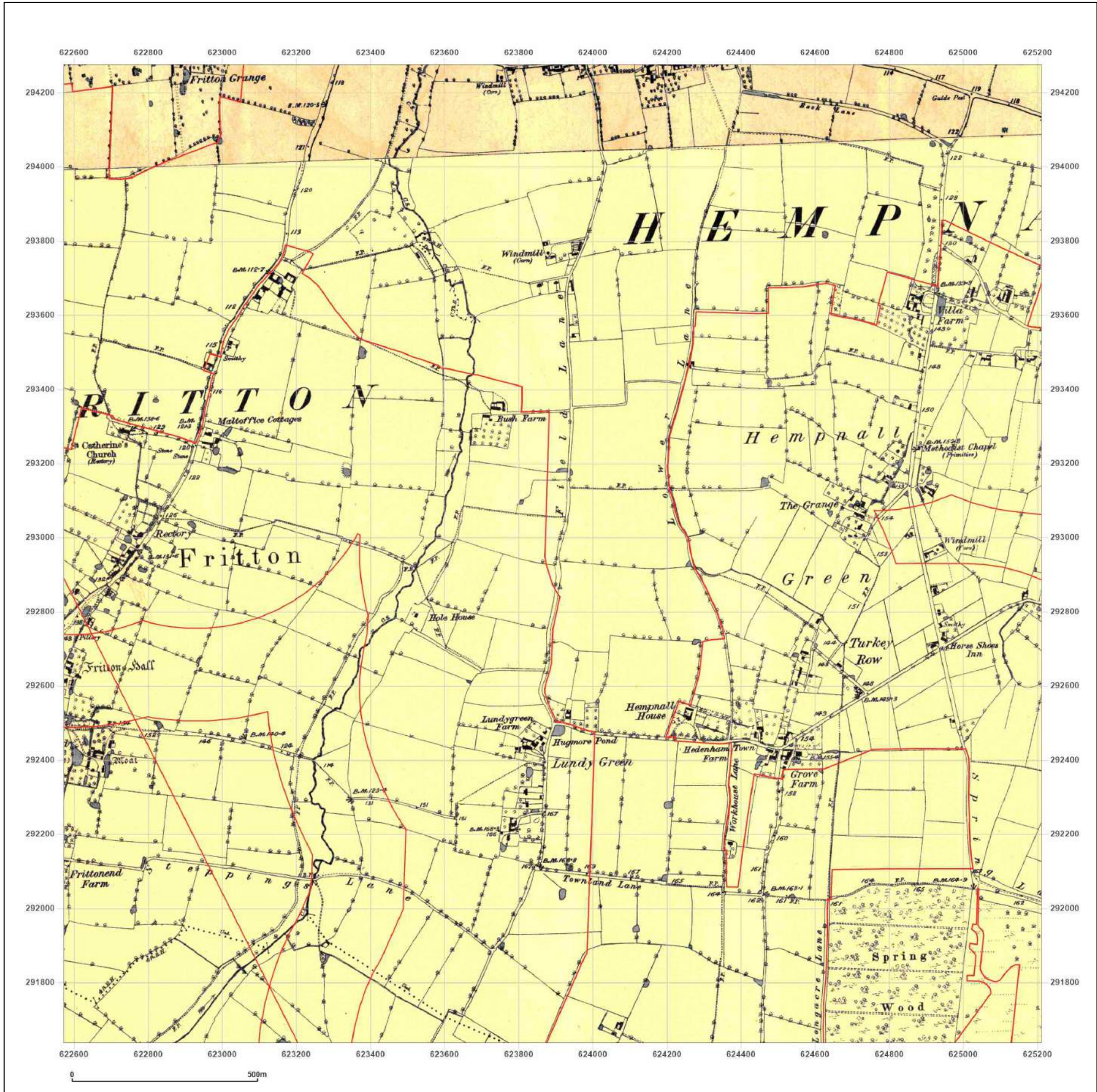


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**Site Details:**

Long Stratton

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**Grid Ref:** 623891, 292956

**Map Name:** County Series

**Map date:** 1906-1907

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Edition 1907  
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 Levelled N/A

Surveyed 1883  
 Revised 1906  
 Edition 1906  
 Copyright N/A  
 Levelled N/A

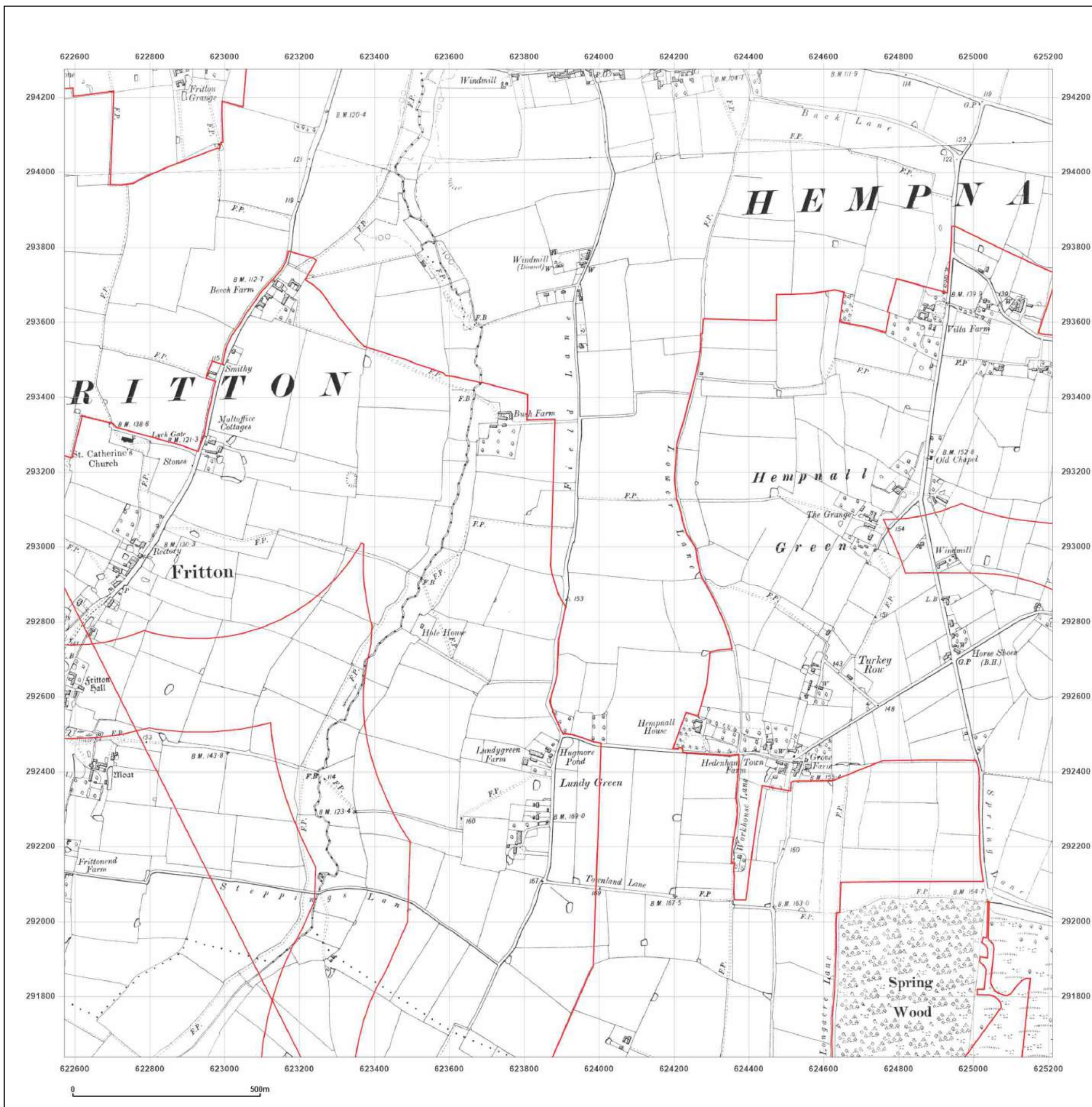


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_3  
**Grid Ref:** 623891, 292956

**Map Name:** County Series

**Map date:** 1946

**Scale:** 1:10,560

**Printed at:** 1:10,560



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 Revised 1946  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1883  
 Revised 1946  
 Edition N/A  
 Copyright N/A  
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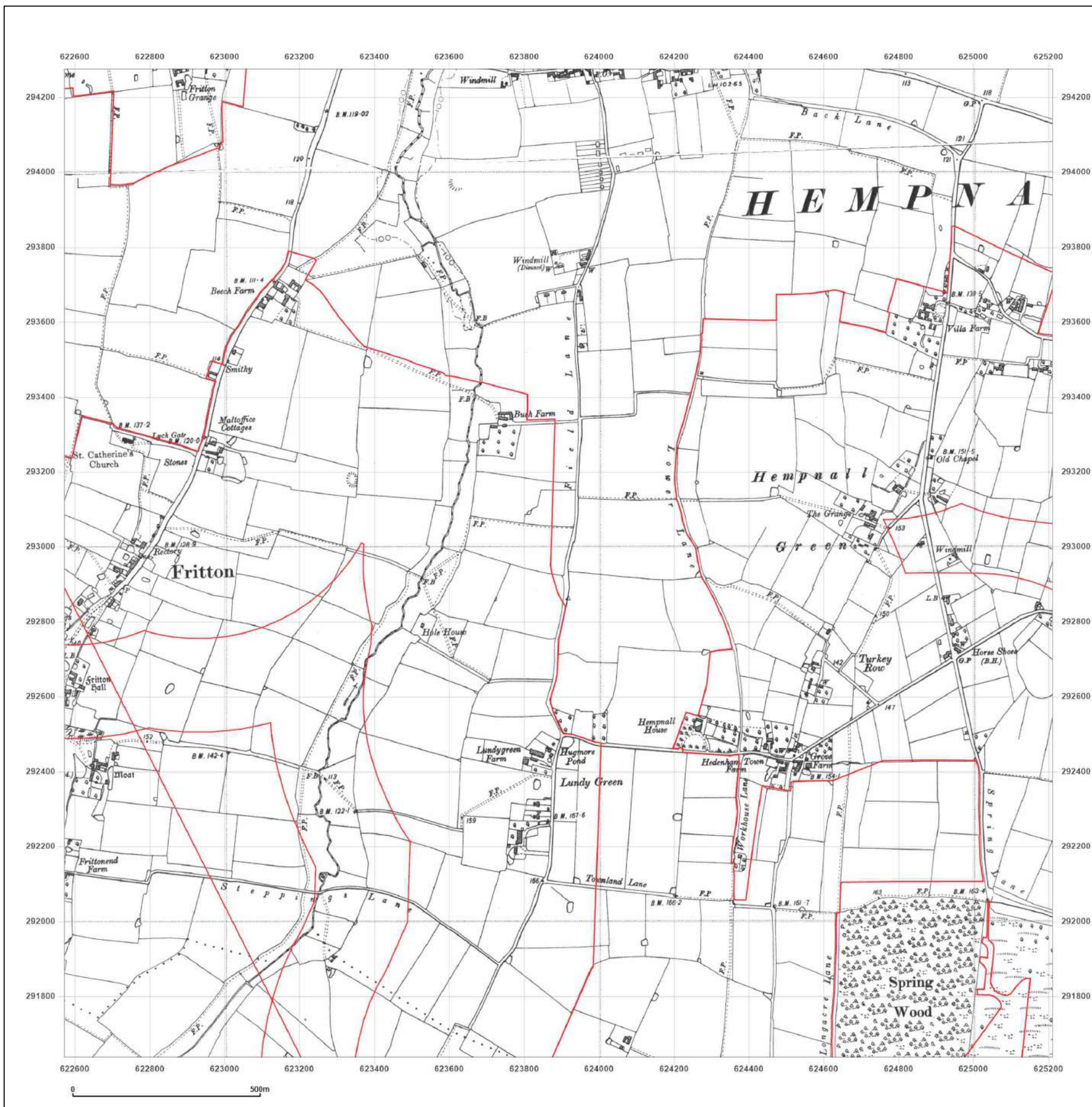


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_3  
**Grid Ref:** 623891, 292956

**Map Name:** Provisional

**Map date:** 1951

**Scale:** 1:10,560

**Printed at:** 1:10,560



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Revised 1951  
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Surveyed 1951  
Revised 1951  
Edition N/A  
Copyright N/A  
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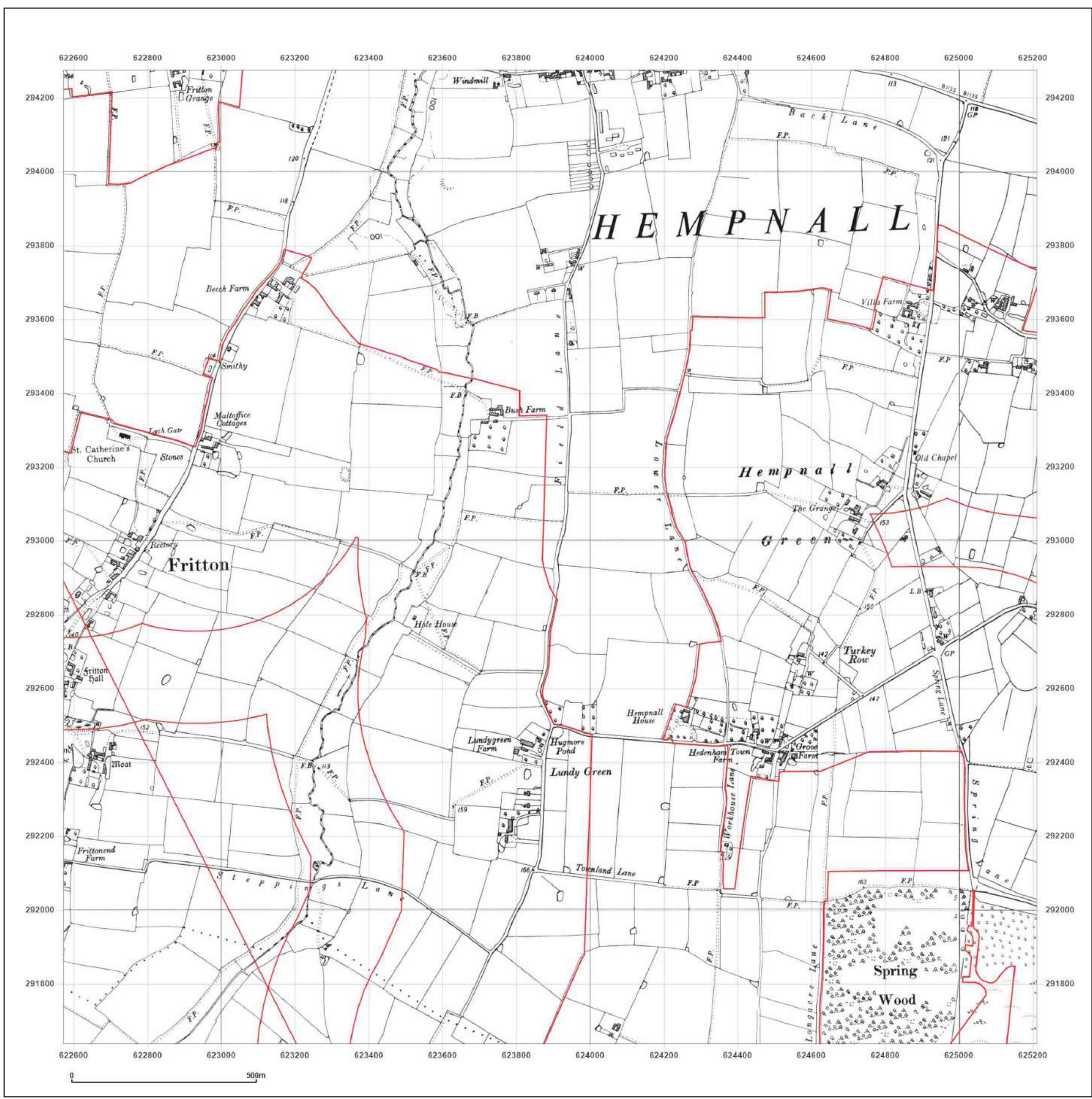


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**Site Details:**

Long Stratton

**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_3  
**Grid Ref:** 623891, 292956

**Map Name:** National Grid

**Map date:** 1979

**Scale:** 1:10,000

**Printed at:** 1:10,000



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 Revised 1979  
 Edition N/A  
 Copyright N/A  
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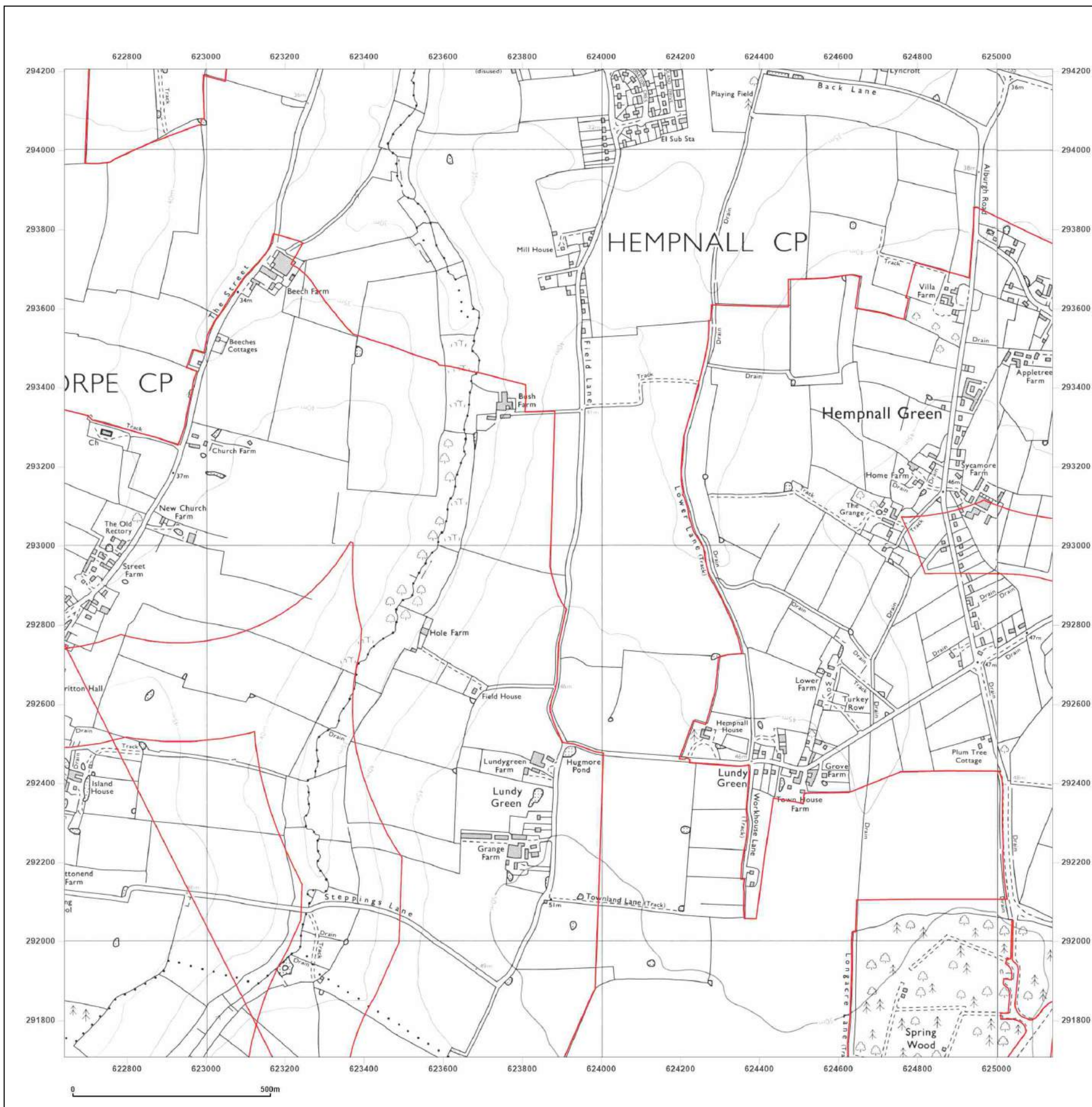


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**Site Details:**

Long Stratton

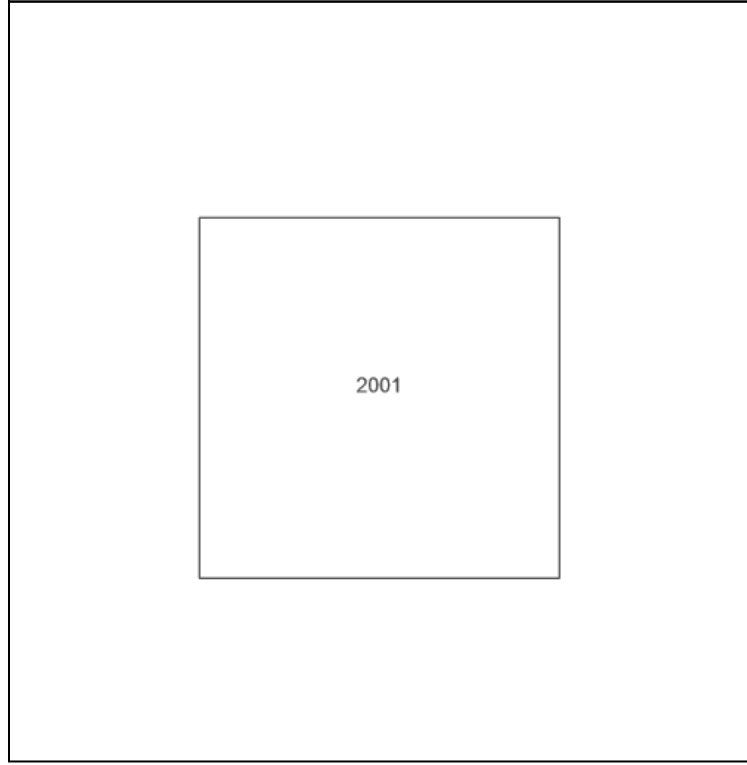
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**Map date:** 2001

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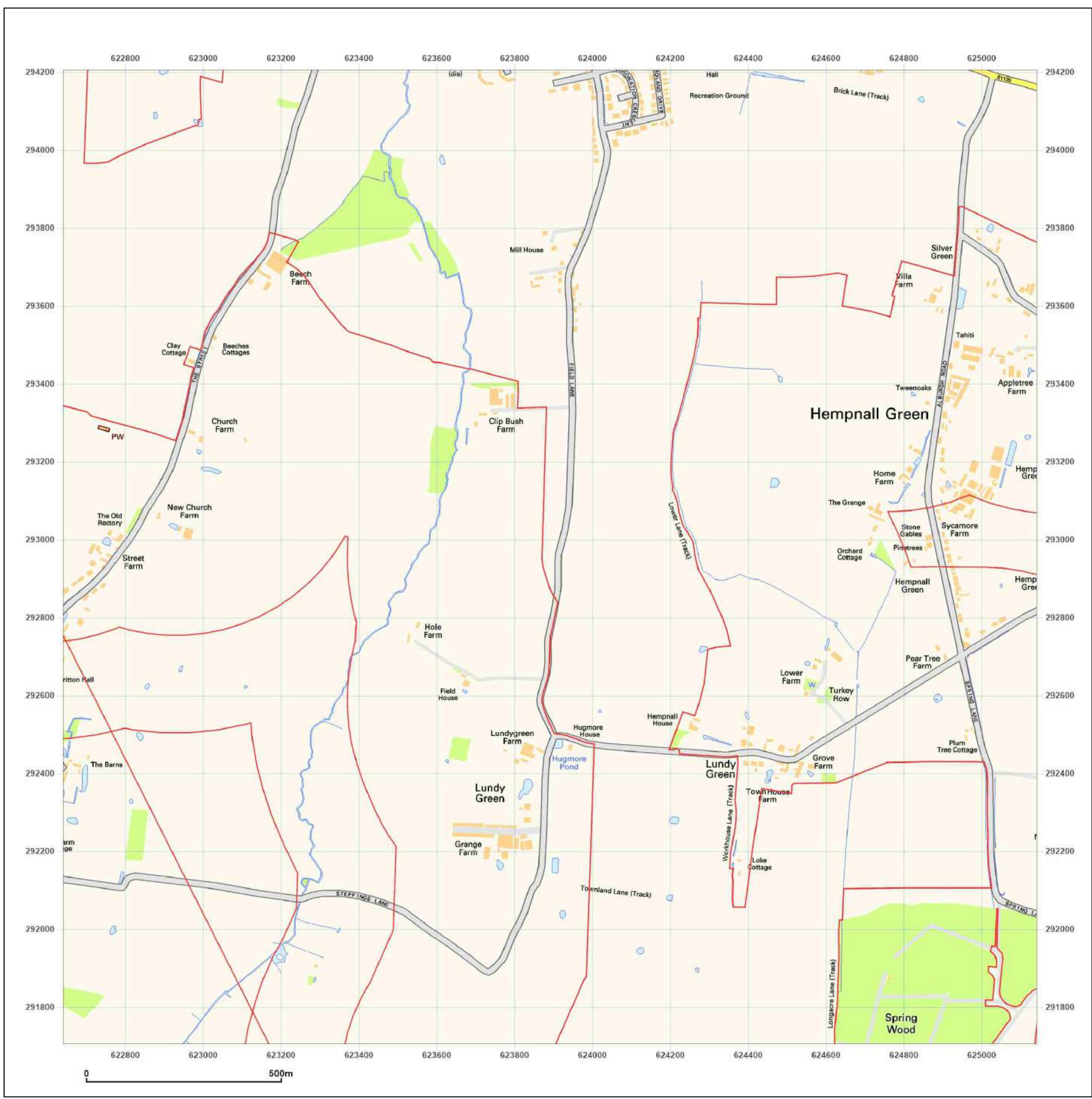


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**Site Details:**

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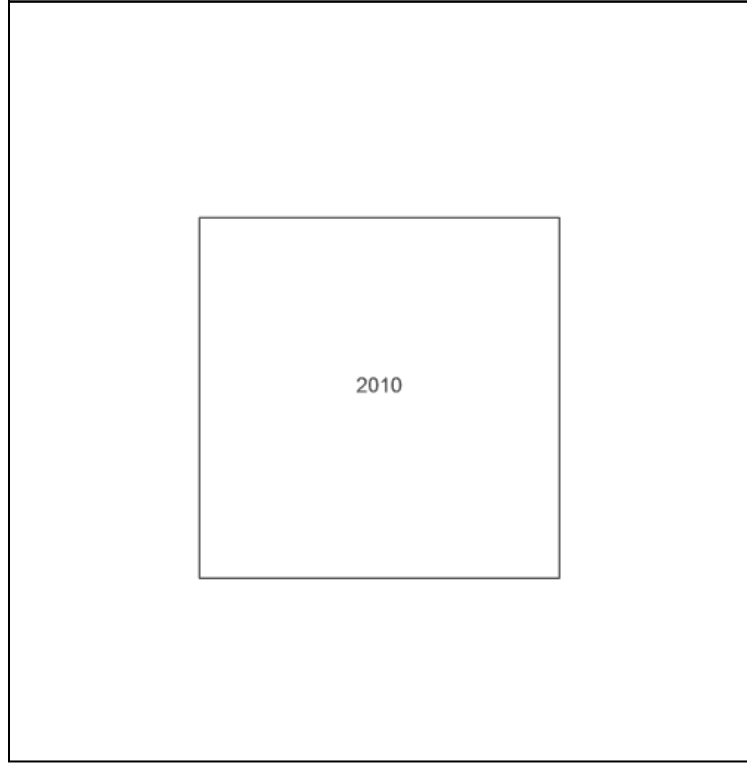
**Client Ref:** East Pye Solar  
**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_3  
**Grid Ref:** 623891, 292956

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

**Printed at:** 1:10,000

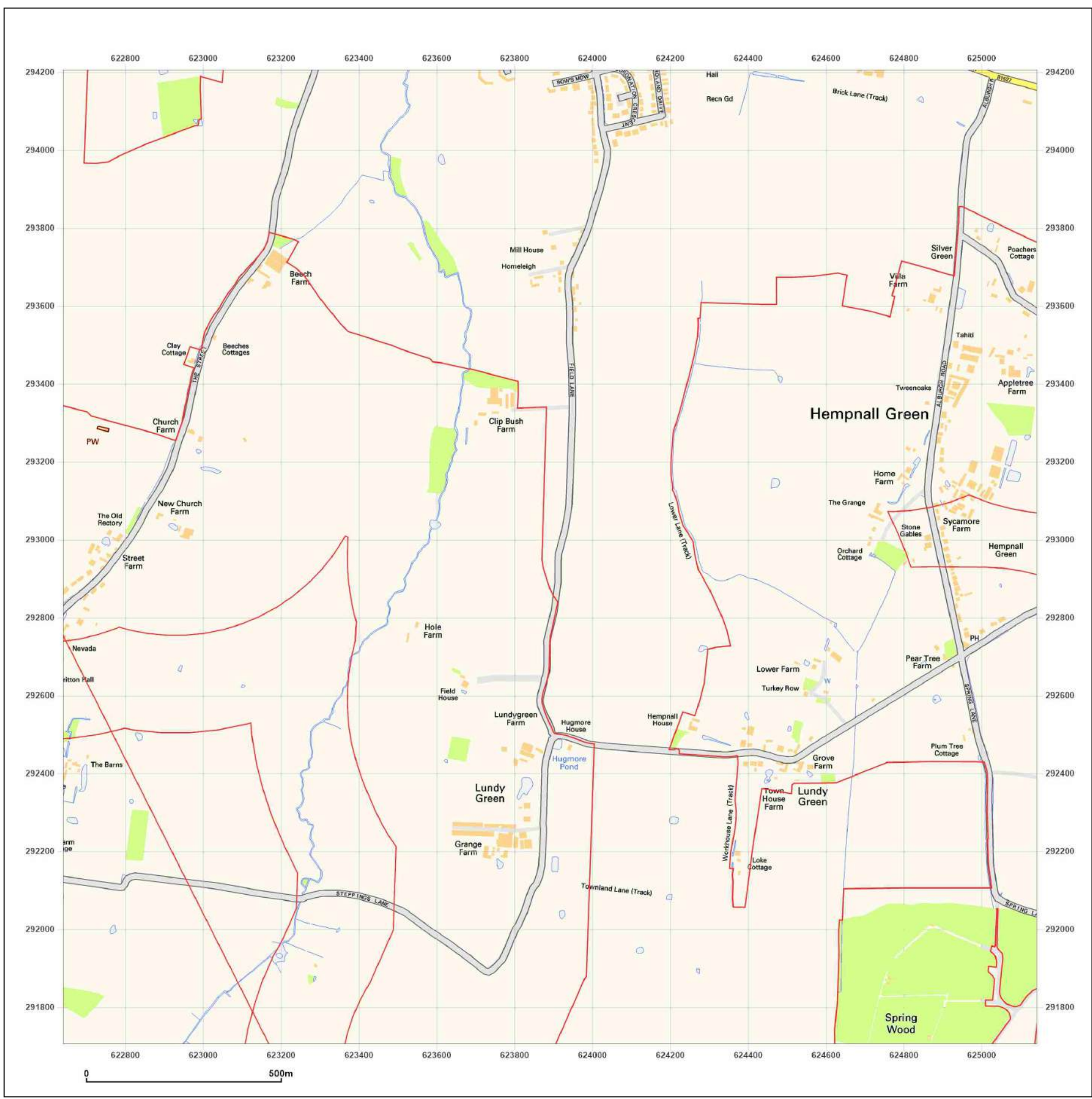


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**Site Details:**

Long Stratton

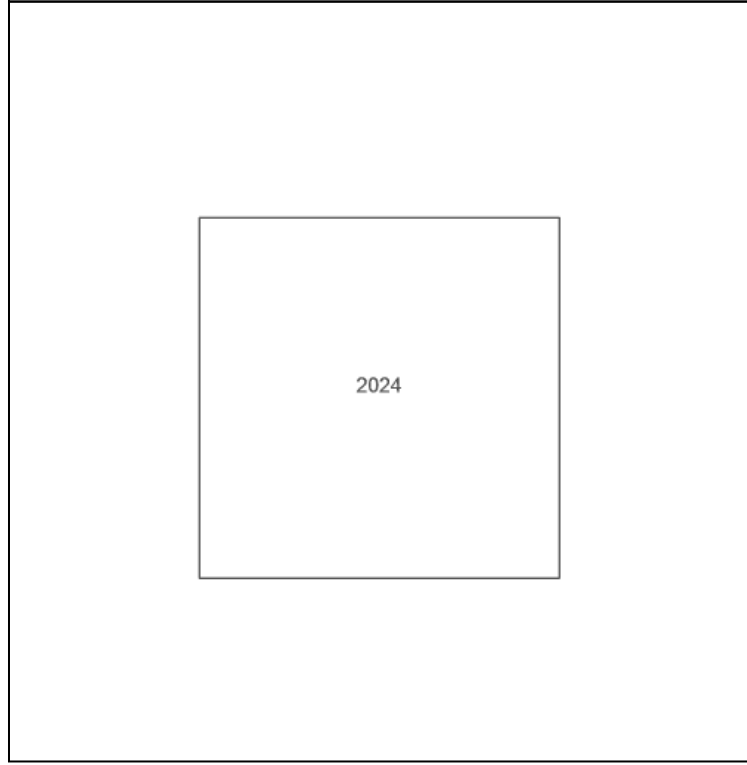
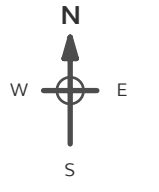
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**Report Ref:** GSIP-2024-16319-20838\_SS\_4\_3  
**Grid Ref:** 623891, 292956

**Map Name:** National Grid

**Map date:** 2024

**Scale:** 1:10,000

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