East Pye Solar

Environmental Statement

Volume 3: Appendix 16.1 – Phase 1 Ground Conditions Assessment

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1 Introduction

1.1 Preamble

1.1.1 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.

1.1.2 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 the construction, operation and maintenance, and decommissioning of a solar photovoltaic (PV) electricity generating station and associated development including a Battery Energy Storage System (BESS), up to three 132 kV Project Substations and up to three 400kV Project Substations, Grid Connection Infrastructure and a new National Grid Substation, with a total capacity exceeding 100 megawatts (MW). A complete description of the scheme can be found in **ES: Chapter 4: The Scheme [EN0110014/APP/6.1.4].** The Project Substations and the National Grid Substation are proposed to be located as follows:

- Project Substation located in Sub-Site 4B (132kV).
- Project Substation located in Sub-Site 7F (132kV).
- Project Substation located in Sub-Site 10C (132kV).
- Project Substation located within the BESS Site (400kV).
- Project Substation located in Sub-Site 5A (400kV).
- Project Substation located in Sub-Site 1B (400kV).
- National Grid Substation – located in Sub-Site 1B.

1.2.2 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. There is the potential option to use concrete blocks as ballast for Solar PV mounting structures in an archaeologically sensitive areas (i.e., where it is desirable to not penetrate the ground) if present. For the purposes of this assessment, it is assumed that the ‘mini-pile’ foundation option will be used as standard.

1.2.3 Standalone Conversion Units will be required 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.

1.2.4 The cable trenches will typically be 1.6m 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, within the Avoidance Areas as defined in the **Outline CEMP [EN0110014/APP/7.1],** these will be installed using trenchless methods, e.g. horizontal directional drilling (HDD) or pipe-jacking.

1.2.5 The operational lifespan of the Scheme is anticipated to be up to 60 years. When the operation and maintenance phase ends, the Sites would be decommissioned and the land returned to the landowner. (the National Grid Substation and the Grid Connection Infrastructure would remain in situ). All infrastructure, including Solar PV Panels, Mounting Structures, above ground cabling, Conversion Units / 33 kV sub-distribution Switch Rooms, Project Substations, and BESS would be removed from within the Sites and recycled or disposed of in accordance with good practice and market conditions at that time. Foundations and other below ground infrastructure will be cut to 1.2 m below the surface to enable future ploughing. Post-decommissioning, the landowners would chose how the land is to be used and managed, with the exception of the National Grid Substation and the Grid Connection Infrastructure. The landowner may return all of the land to agricultural use, although it is likely that established habitats such as hedgerows and woodland would be retained, given their potential benefits to agricultural land and the wider farming estate.

1.2.6 The mode of removing the cabling would be dependent upon government policy and good practice at the time. Currently, leaving the cables in situ is seen as the most environmentally acceptable option as it avoids disturbance to overlying land, habitats and neighbouring communities. Alternatively, the cables can be removed by opening up the ground at regular intervals and pulling the cable through the extraction point, leaving the ducting and jointing bays in place. This would avoid the need to open up the entire length of the cable route.

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 Overarching National Policy Statement for Energy (EN-1) and 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 5.4.20 The applicant should show how the project has taken advantage of opportunities to conserve and enhance biodiversity and geological conservation interests.

EN-1 5.4.43 As a general principle, and subject to the specific policies below, development should, in line with the mitigation hierarchy, aim to avoid significant harm to biodiversity and geological conservation interests, including through consideration of reasonable alternatives [...] Where significant harm cannot be avoided, impacts should be mitigated and as a last resort, appropriate compensation measures should be sought

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 2.10.84 For projects in England, applicants should consider whether they need to provide geotechnical and hydrological information (such as identifying the presence of peat according to country-specific designations at each site).

EN-3 2.10.148 Where developments are proposed on peat, to ensure the development will result in minimal disruption to the ecology, hydrology, or release of CO_2, and the carbon balance savings of the scheme are maximised, the Secretary of State should be satisfied that the solar farm layout and construction methods have been designed to minimise soil disturbance and other peatland impacts during construction and maintenance of roads, tracks and other infrastructure and where possible are compatible with raised water table management'.

NPS EN-5

'EN-5 2.2.10 [There is a duty on the Applicant to] *'have regard to the desirability of preserving natural beauty, of conserving flora, fauna and geological or physiographical features of special interest and of protecting sites, buildings and objects of architectural, historic or archaeological interest; and …do what* [they] *reasonably can to mitigate any effect which the proposals would have on the natural beauty of the countryside or on any such flora, fauna, features, sites, buildings or objects ... In the rare case that the developer is not a licence-holder, the developer will nonetheless be influenced by the duties laid out in Section 9, even though they are not themselves under obligation*'.

EN-5 2.9.26 In such cases the Secretary of State should only grant development consent for underground or subsea sections of a proposed line over an overhead alternative if they are satisfied that the benefits accruing from the former proposal clearly outweigh any extra economic, social, or environmental impacts that it presents, the mitigation hierarchy has been followed, and that any technical obstacles associated with it are surmountable. In this context it should consider… the potentially very disruptive effects of undergrounding on … soil (including peat soils) [and] *geology*'.

National Planning Policy Framework

1.3.1 The National Planning Policy Framework (NPPF) as revised in December 2024 sets out national planning policies that reflect priorities of the Government for operation of the planning system and the economic, social, and environmental aspects of the development and use of land. The NPPF has a strong emphasis on sustainable development, with a presumption in favour of such development. The NPPF has the potential to be considered important and relevant to the Secretary of State's (SoS) consideration of the Scheme.

- Paragraph 187 of the NPPF states that *'Planning policies and decisions should contribute to and enhance the natural and local environment by:*

  a) protecting and enhancing valued landscapes, sites of biodiversity or geological value and soils (in a manner commensurate with their statutory status or identified quality in the development plan);…

  f) remediation and mitigating despoiled, degraded, derelict, contaminated and unstable land, where appropriate'.

- Paragraph 192 of the NPPF states that '*To protect and enhance biodiversity and geodiversity, plans should:*

  a) Identify, map and safeguard components of local wildlife-rich habitats and wider ecological networks, including the hierarchy of international, national and locally designated sites of importance for biodiversity;

wildlife corridors and stepping stones that connect them; and areas identified by national and local partnerships for habitat management, enhancement, restoration or creation; and

b) promote the conservation, restoration and enhancement of priority habitats, ecological networks and the protection and recovery of priority species; and identify and pursue opportunities for securing measurable net gains for biodiversity.

- Paragraph 196 of the NPPF states that '*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 223 of the NPPF states that '*Planning policies should:*

  a) provide for the extraction of mineral resources of local and national importance, but not identify new sites or extensions to existing sites for peat extraction; …

  c) safeguard mineral resources by defining Mineral Safeguarding Areas and Mineral Consultation Areas; and adopt appropriate policies so that known locations of specific minerals resources of local and national importance are not sterilised by non-mineral development where this should be avoided (whilst not creating a presumption that the resources defined will be worked);

  d) set out policies to encourage the prior extraction of minerals, where practical and environmentally feasible, if it is necessary for non-mineral development to take place.'

1.3.2 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, 2025).

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 contaminant 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 given in the Planning Practice Guidance for Land Stability published by the then Department for Communities and Local Government (DCLoG, 2014) (now the Ministry of Housing, Communities & Local Government). 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 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 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 20th June 2024 to observe existing conditions both within the Order Limits and Study Area.

- Historical mapping, geological information and information relating to ground conditions stability hazards (GS, 2024) and environmental data searches (GS, 2026) provided within Groundsure Reports[1] 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, water well, mines and quarries records held by the British Geological Society (BGS) accessed via their GeoIndex Viewer (BGS, 2025). 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 within 250m of the Order Limits.

- 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**. Information relating to private water supplies (PWS) was also provided by the Council.

- A freedom of information request was made to the Environment Agency for any environmental information relevant to the Scheme. 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)

[1] Extracts of multiple Groundsure Reports are presented in Annex 2, reflecting data procured at various stages of the assessment process. The environmental data searches are presented within Groundsure Reports HYD-IND-HI2-P7K-YXP_A_1 and HYD-IND-HI2-P7K-YXP_B_1, these searches were procured in February 2026 and use the Order Limits (plus search buffers) as the search area. This information was re-procured in February 2026, replacing the earlier searches used to support the PEIR to ensure that the ES is supported by up-to-date information.

Historical mapping, geological information and information relating to ground conditions stability hazards, soil geochemistry and radon is presented within the extracts of Groundsure Reports GSIP-2024-16319-20839_A and GSIP-2024-16319-20839_A – both procured in 2024 during the preparation of the ES Scoping Assessment. On the basis that this type of information will not have changed (i.e., the ground conditions recorded in 2024 are the same as the ground conditions in 2026) this information has not been updated.

It is noted that site boundary used presented within the 2024 Groundsure Report reflects an earlier version of the boundary and differs slightly from the Order Limits. This information has been interpreted in relation to the Order Limits.

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.
- A review of risk map records 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 Scheme 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).

1.6 Order Limits and Study Area

1.6.1 The Order Limits are the maximum extent of land anticipated to be acquired and/or used for the construction, operation and maintenance and decommissioning phases of the Scheme and comprises a total area of approximately 1,212.8 hectares (ha) of land in **ES: Figure 1.1 Site Location Plan [EN0110114/APP/6.2.1.1]**.

1.6.2 The Study Area is the buffer zone extending from the Order Limits but excluding the land area within the Order Limits. The extent of the Study Area is variable depending on the likely zone of influence for each feature/receptor.

1.6.3 The Study Areas used in this assessment, as summarised below, are based on professional judgement, knowledge of similar projects and the Design Manual for Roads and Bridges (DMRB) LA 109 - Geology and Soils (HE, 2019) and LA 113 – Road Drainage and the Water Environment (HE, 2020). Although not directly relevant to the Scheme, the Study Areas generally accord with the search buffers recommended in Guidance for the Safe Development of Housing on Land Affected by Contamination (NHBC, 2008)[2].

1.6.4 The following sections define the Study Areas for particular features and receptors.

Potentially Contaminative Land Uses

1.6.5 The Study Area for land-use activities with the potential to generate contamination is based on a review of historical mapping, contemporary mapping and aerial imagery and a site reconnaissance walkover and

[2] NHBC and EA, 2008, Guidance For The Safe Development Of Housing On Land Affected By Contamination R&D66.

comprises a buffer of up to 250m from the Order Limits. Given the scale and nature of the Scheme, this is generally considered a robust yet proportionate approach. The Study Area is also based on professional judgement, knowledge of similar projects and the DMRB LA 109 and DMRB LA 113. Although not directly relevant to the Scheme, the Study Area accords with the Study Area recommended in Guidance for the Safe Development of Housing on Land Affected by Contamination[2].

Human Health Receptors

1.6.6 For the identification of human health receptors, a Study Area of 250m from the Order Limits has been used. This has been selected on the same basis as the Study Area for potentially contaminative land uses.

Hydrogeological Receptors

1.6.7 The Scheme principally comprises:

- Solar PV Arrays, most likely to be constructed on pile-driven or screw-mounted foundations (to a maximum depth of approximately 4m) subject to further environmental assessment to ascertain other sensitivities, such as archaeology;
- Cables constructed in shallow trenches (typically to a depth of 2m);
- The BESS; and
- National Grid Substation, Project Substations, and associated infrastructure.

1.6.8 It is considered that the likelihood of the Solar PV modules and buried cables impacting PWS and permitted abstractions (in relation to chemical quality) is limited. On this basis a search buffer of 250m has been selected for the identification of groundwater abstractions (including PWS) and groundwater SPZs for areas of the Order Limits to be used either as Solar PV Arrays or for the cable route.

1.6.9 The National Grid Substation, Project Substations and the BESS may include structures with piled foundations. 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 and reasonable worst-case assessment, a Study Area of 1km from any Project Substation, the National Grid Substation, and the BESS has been used for the identification of hydrogeological receptors.

Hydrological Receptors

1.6.10 As described above, it is considered that the likelihood of the Scheme impacting upon abstractions (in terms of chemical quality) is highly limited. On this basis a Study Area of 250m has been selected for the identification of hydrological receptors.

Terrestrial Ecology and Geodiversity Receptors

1.6.11 For the identification of terrestrial ecology receptors, a Study Area of 1km from the Order Limits has been used.

1.6.12 For the identification of geodiversity receptors, a Study Area of 250m from the Order Limits has been used. This Study Area has been selected based on professional judgment and consideration of the limited means by which geodiversity receptors could be affected by construction of The Scheme.

Peat Soils

1.6.13 The potential for the Scheme to impact upon peat soils is limited to:

- Loss of function due to excavation or compaction;
- Drying due to loss of groundwater; and/or
- Wetting due to runoff from Solar PV Arrays.

1.6.14 On this basis, the potential for presence of peat soils has been reviewed within 500m of the BESS, the National Grid Substation, Project Substations, and within any Sub-Site or CRC where works that could require excavation or cause compaction of peat could occur. This excludes locations where the proposed structures will have only small, shallow foundations and which are therefore unlikely to impact groundwater flow if any such flow is present.

Minerals Resources

1.6.15 The Study Area for safeguarded existing mineral extraction or infrastructure sites, Minerals Safeguarding Areas (MSA), Minerals Consultation Areas (MCA) or minerals areas comprises 250m from the Order Limits. This Study Area has been selected to align with the 250m MCA extending from any MSA, as described in the Norfolk Minerals and Waste Local Plan (NCC, 2025).

2 Land Use Information

2.1 Introduction

2.1.1 This section presents a summary of current and historical land uses within the Order Limits and the Study Area. Land use is used to inform the hazard identification element of the risk assessment.

2.2 Site Location and Description

2.2.1 The Order Limits extend over approximately 1,212.3 hectares (ha) of land located south of Norwich and north of Harleston, as shown on **ES: Figure 1.1 Site Location Plan [EN0110014/APP/6.2.1.1]**. The Order Limits comprise several parcels of land including Sites 1-10 (each Site may be comprised of one or more individual Sub-Sites, each given a letter designation, e.g. 1A, 1B etc.) and the BESS Site. Sites 3 to 10 are concentrated to the east of Long Stratton, with an additional cluster of land parcels including Sites 1 and 2 and the BESS Site located south of Great Moulton, approximately 6.5km to the south-west of the remainder of the Scheme. Sites 1-10 are linked by 14No. Cable Route Corridors (CRC1 to CRC14).

2.3 Current and Historical Land Use

2.3.1 This section presents a summary of the current and historical land uses within the Order Limits and the Study Area. The historical land use information is based on Ordnance Survey (OS) maps, and plans dated between 1883 and 2024, provided within the historical mapping presented in the Groundsure Report (GS, 2024) in **Annex 2**, supplemented by a review of Google Earth historical aerial photographs and other sources of historical information as listed in **Section 1**. The current land use information is based on a reconnaissance survey undertaken on 20th June 2024 and contemporary aerial imagery.

2.3.2 The table below presents a summary of the historical land uses within the Order Limits and the Study Area 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 Site 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 Site and surrounding land 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.
1C	Mapping dated 1883 shows that Sub-Site 1C is agricultural land with the "Site of Former All Saints Church" recorded approximately 220m to the east. The surrounding land use is similarly agricultural, with Stationroad Farm (later Fernleigh Farm) recorded approximately 180m to the south and a further farm (Hundred Lane Farm) is present approximately 50m to the west. By 1928 Fernleigh Farm has been extended with additional outbuildings to the east of the farm, adjacent to the Sub-Site boundary. Further significant changes are not recorded until the 1981 map when an electricity pylon is recorded in the centre-south of the Sub-Site and the former church is no longer recorded. Many of the outbuildings at Fernleigh Farm are shown to have been demolished, with the farm buildings broadly in their existing configuration. Subsequent maps and aerial imagery do not record any significant changes and this Sub-Site and the surrounding land within 50m remains in agricultural use.
1D	Mapping dated 1883 shows that Sub-Site 1D is located within agricultural land. The surrounding land use is similarly agricultural. Subsequent maps and aerial imagery do not record any significant changes until the early 1980s when a pylon was constructed in the west of the Sub-Site. Further significant changes are not recorded and the Sub-Site and the surrounding land remain in agricultural use.
CRC1	Mapping dated 1883 and 1884 shows that CRC1 comprises Hundred Lane, a lane flanked by trees. Subsequent maps do not show any significant changes and CRC1 remains today as Hundred Lane.
CRC2	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. Throughout the 20th Century additional buildings are constructed within the Study Area at the adjacent farms. 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. 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

Sub-Site Name	Summary of Land-Use History
	chapel, outbuildings etc) constructed adjacent to the hotel. Subsequent maps and aerial imagery do not record any significant changes 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 250m to the west. Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural use.
3	Mapping dated 1883 shows that Site 3 is located within agricultural land. Two farms and occasional residential properties are present adjacent to the Site 3's northern boundary. An area of small buildings is recorded near the Site 3's south-western corner. The surrounding land-use is agricultural and woodland. Significant changes are not recorded until 1977 when the mapping records access roads and hardstands of a former (disused) airfield within the woodland immediately to the south-east of Site 3, and within the area of open land beyond. Zetica Ltd.'s Unexploded Ordnance Constraints Assessment (Annex 6) and internet searches indicate that this is the former RAF Hardwick[3]. 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[4] indicates a "bomb dump" and "ammunition dump" were located in the south-west of Site 3. The airfield's main technical site (hangars, barracks etc.) was located approximately 1.2km to the south-east. A fuel store is recorded approximately 780m to the south. Following the demolition of the airfield the land within Site 3 appears to have reverted to agricultural use. Subsequent maps and aerial imagery do not record any significant changes and Site 3 and the surrounding land remain in agricultural use.
CRC4	Mapping dated 1883 shows that CRC4 is located within agricultural land. The surrounding land use is similarly agricultural with several farms located within the surrounding area (noting none are recorded within 50m of the CRC boundary). Further significant changes are not recorded and this CRC remains in agricultural use.
4A	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.
4B	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

Sub-Site Name	Summary of Land-Use History
	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. 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. 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. Subsequent maps and aerial imagery do not record any significant changes and Sub-Site 4B and surrounding land remain in agricultural use. The refuse tip remains labelled on historical mapping until 2001.
5A	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. 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. Subsequent maps and aerial imagery do not record any significant changes and Sub-Site 5A and surrounding land remain in agricultural use until between 2011 and 2016 when PV arrays were constructed in the land immediately to the west.
5B	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 By the late 1970s the adjacent farm appears to have been extended and the smithy is no longer recorded and is labelled as cottages. Subsequent maps and aerial imagery do not record any significant changes and Sub-Site 5B and surrounding land remain in agricultural use.
CRC7	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) approximately 130m to the south-west and a further residential property (Spinney Lodge) is present approximately 180m to the west. Mapping dated 1951 records no significant changes within CRC7, and records two circular structures (tanks) approximately 180m to the east of the CRC. By 1959 further tanks, filter beds, drying beds and a pump house are shown east of the CRC, with this area labelled "sewage works". 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 to the east of the CRC.
CRC6	Mapping dated 1881 shows that CRC6 is located within agricultural land crossed by a stream. The surrounding land use is similarly agricultural with several farms and a windmill located within 250m of the CRC boundary, but none within 50m. Villa Farm is located approximately 170m south-east of the north-eastern end of CRC6. By 1906 the windmill is marked as disused. Subsequent maps and aerial imagery do not record any significant changes and the CRC and surrounding land remain in agricultural or woodland use. By the late 20th Century additional buildings are recorded at Villa Farm and historical aerial imagery dated 1999 shows the farm to comprise several sheds and a large area of scrap vehicles. Further vehicles are shown on imagery dated 2006 and by 2019 additional sheds are present and the area of vehicles has further expanded across much of the farm area. A further shed was constructed in the north-west of the farm, approximately 90m south-east of the CRC between 2021 and 2023.
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.

Sub-Site Name	Summary of Land-Use History
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	Mapping dated 1881 shows that CRC12 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.
7D	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. 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. Historical aerial imagery dated 1999 does not record the playing field, pavilion and playground, and shows Mudhole to have been demolished. 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.
7E to 7L and CRC5	Mapping dated 1881 shows that Sub-Sites 7E to 7L and CRC5 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. 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. Subsequent maps and aerial imagery do not record any significant changes and the Sub-Site and surrounding land remain in agricultural use.
CRC8	Mapping dated 1881 shows that CRC8 is located within agricultural land. The surrounding land use is similarly agricultural. A small area of farm buildings are located immediately south of the approximate mid-point 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.
CRC10	Mapping dated 1881 shows that CRC10 is located within agricultural land. The surrounding land use is similarly agricultural. Fylands' Cottages are located approximately 170m to the south-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 160m west of the CRC. 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. Historical aerial imagery dated 1999 shows parcel of land approximately 160m west of the CRC and immediately south of Little Fylands Farm potentially being used as a scrapyard, with many vehicles present. The subsequent image dated 2006 shows the

Sub-Site Name	Summary of Land-Use History
	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. Subsequent maps and aerial imagery do not record any significant changes and the Sub-Site and surrounding land remain in agricultural use.
8A	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. Mapping dated 1978 records Fylands' Cottages have been demolished and replaced by Dawson's Farm. 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.
8B	Mapping dated 1881 and 1882 shows that Sub-Site 8B is located within agricultural land with a small pit / quarry located in the north-east of the Sub-Site (referred to in BGS data as "Market Lane Pit"). 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 until the 1970s when Market Lane Pit is no longer recorded. Further significant changes are not recorded 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. Contemporary LIDAR imagery indicates only a small depression in the area of the former pit.
CRC13	Mapping dated 1881 and 1884 shows that CRC13 is located within agricultural land. The surrounding land use is similarly agricultural with Oldhouse Farm and Heath Farm (later Ley Farm) located approximately 30m north and 200m south of the CRC respectively. Brooke Mill (subsequently labelled as Mill Farm) is recorded approximately 220m east of the CRC's eastern boundary. Mapping dated 1978 records that Kings Farm has been constructed approximately 150m south of the CRC, immediately west of Ley Farm (beyond Baxter's Lane), and further structures have been constructed at Mill Farm, extending to approximately 130m east 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.
9	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 Site 9'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 Site 9'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.
CRC9	Mapping dated 1884 shows that CRC9 is located within agricultural land. The surrounding land use is similarly agricultural, or woodland, with a residential property ("The Hall", later "Old Hall") present approximately 130m to the south of the CRC. 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.
10A	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.
10B	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.

Sub-Site Name	Summary of Land-Use History
	Internet searches show that this Sub-Site was formerly occupied by parts of RAF Seething[5], 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 pars of the airfield perimeter road. A labelled historical aerial photograph of the airfield[6] 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. By the 1970s the airfield elements within Sub-Site 10B 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.
10C	Mapping dated 1884 shows that Sub-Site 10C is located within agricultural land. The surrounding land use is similarly agricultural. 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 "*To Bomb Dump"*. A review of further historical aerial imagery available through Historic England[7] 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 "*Bomb Dump*" associated with RAF Seething. Mapping dated 1973 records the potential 'bomb dump' (i.e., munitions storage) structures adjacent to the Sub-Site's northern boundary. Historical aerial imagery dated 1999 shows that the airfield 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.
10D	Mapping dated 1884 shows that Sub-Site 10D is located within agricultural land. The surrounding land use is similarly agricultural, or woodland. 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. 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.
10E	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. 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. 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.

[5] https://en.wikipedia.org/wiki/RAF_Seething

[6] https://en.wikipedia.org/wiki/RAF_Seething#/media/File:Seethingairfield-16oct1945.png

[7] 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	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 approximately 140m west of the northern end of the CRC and Tubgate Farm (later Upgate Farm) is located approximately 130m to the east of the CRC. Significant changes do not appear to have occurred until the early 1940s when the Sub-Site was partially (<10% of the total CRC area) occupied by a runway associated with the former RAF Seething (see Sub-Site 10A), the remaining area not occupied by runway remained undeveloped. The buildings to the west of the CRC and the nearby 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. By the 1970s the airfield elements within and adjacent to the CRC are shown to have been demolished, a new Upgate Farm had been constructed to the east of the CRC on the alignment of the former runway, and the land majority of the former airfield land was 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 use.

2.4 Review of Database Searches

2.4.1 Information on the industrial setting and pertinent Environmental Regulation Permits and authorisations within the Order Limits and the Study Area is presented in the Groundsure Report (GS, 2026) 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 Within the Order Limits(1)	Number within the Study Area (1)
Waste Regulation		
Historical or Permitted Landfill Sites	0 (1)	0 (2)
Licensed Waste Management Facilities	0 (0)	6 (0)
Statutory Permits/Authorisations		
Pollution Prevention and Control(2)	0 (0)	0 (0)
Registered Radioactive Substances	0 (0)	0 (0)
Planning Hazardous Substance Consents	0 (0)	3 (0)
COMAH Sites(3) and NIHHS Sites(4)	0 (0)	0 (0)
Potential Contaminative Uses		
Petrol Stations & Garages	0 (0)	1 (0)
Relevant Historical and Recent Industrial and Energy Land Uses	0	Multiple
Discharge Consents	0 (0)	10 (10)
Pollution Records		
Contaminated Land Register Entries and Notices	0	0

Data Type	Number Within the Order Limits(1)	Number within the Study Area (1)
Pollution Incidents to Controlled Waters	0	7

Note:
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.
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.
3) COMAH denotes Control of Major Accident Hazards
4) NIHHS denotes Notification of Installations Handling Hazardous Substances

Landfills and Infilled Land

2.4.2 **Within the Order Limits** - Whilst not recorded by the EA as an historical landfill, a former 'refuse tip' is identified on historical OS mapping in the north of Sub-Site 4B. Prior to use as a refuse tip a gravel pit was recorded on mapping up until the mid-1940s[8]. Mapping dated 1976 records the gravel pit as a refuse tip, with an area of approximately 0.5ha.

2.4.3 A small former pit / quarry (Market Lane Pit) with an area of approximately 0.04ha is present in the north-western corner of Sub-Site 8B. The pit is first recorded on mapping dated 1881 and is last recorded in the 1970s. Contemporary LIDAR imagery indicates only a small depression in the area of the former pit.

2.4.4 **Within the Study Area** – An historical landfill is recorded approximately 160m south of Site 3. The Groundsure Report (GS, 2026) 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.

2.4.5 A further historical landfill ("Off B1135") is located approximately 100m north-west of Sub-Site 5A and approximately 170m north of CRC6. The Groundsure Report (GS, 2026) 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.

2.4.6 **Summary** – The former refuse tip, Market Lane Pit, and historical landfills will be taken forwards for assessment as Sources of Potential Contamination (SPC).

[8] The gravel pit can be seen on historical aerial imagery dated 1960.

Licenced Waste Management Facilities

2.4.7 The Groundsure Report (GS, 2026) records that there are no current or former licenced waste management facilities within the Order Limits. The following features have been identified within the Study Area:

- A former car breaker's yard was present approximately 160m 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 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.
- Scrap metal merchants ("Take My Scrap Car" and "All Parts Motor Salvage") are present at Villa Farm, approximately 90m south-east of CRC6 and approximately 220m south of Site 6.

2.4.8 **Summary** – The former car breakers yard, the salvage yards/scrap metal merchants and metals recycling facilities 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 Order Limits, and therefore the SPCs do not present a credible hazard.

Planning Hazardous Substances Consents

2.4.9 The Groundsure Report (GS, 2026) states that there are three Hazardous Substances Consents within the Study Area, all of which are located 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".

2.4.10 **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 land between the Order Limits, and therefore the SPCs do not present a credible hazard.

Petrol Stations and Garages

2.4.11 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. This vehicle servicing and repair garage will be taken forwards for assessment as a SPC.

2.4.12 It is noted that the Groundsure Report (GS, 2026) records a garage approximately 160m west of CRC10, however this is the former car breakers yard described in the licenced waste management facilities section above.

Relevant Historical and Recent Industrial and Energy Land Uses

2.4.13 The historical and recent relevant industrial and energy land uses within the Order Limits and the 250m Study Area are described below.

Within the Order Limits

- Site 3 - Former RAF Hardwick - A WW2-era airfield, RAF Hardwick, was constructed predominantly within the land to the south-east of Site 3 during 1941-1942 and was used by the RAF and US Air Force during WW2. The elements of the airfield within the Order Limits are indicated (Annex 6) to comprise bomb and ammunition stores9. 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 Site 3 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 the areas of airfield within these Sub-Sites 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 these Sub-Sites are shown to have been demolished and the land returned to agricultural use.

Within the Study Area

2.4.14 There are multiple historical industrial and energy land uses identified within the Study Area. 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.

[9] See Sections 2.7 and 7.3 for Unexploded Ordnance information.

- East of CRC7 - Sewage Works – Mapping dated 1951 records two circular structures (tanks) approximately 180m east of CRC7. By 1959 further tanks, filter beds, drying beds and a pump house are shown, with this area labelled “sewage works”. Contemporary historical aerial imagery shows the sewage works to still be present.

- West of CRC10 - A former car breaker’s yard was present approximately 160m west of CRC10. Historical aerial imagery dated 1999 shows the land to be in use 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 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 CRC6 – Vehicle breakers / scrap metal merchants are present at Villa Farm approximately 90m south-east of the north eastern stretch of CRC6.

- South-east of Site 3 - Hardwick Airfield (the remaining parts of the former RAF Hardwick) is present to the south and east of Site 3. The airfield within 250m of Site 3 comprises runways, a perimeter road and areas of open / agricultural land.

- Sub-Sites 10B and 10E - Seething Airfield – (the remaining parts of the former RAF Seething) is present immediately east of Sub-Sites 10B and 10E. The airfield within the Study Area comprises runways, a perimeter road and agricultural land.

- 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[10].

2.4.15 **Summary** – The sewage works approximately 180m east of CRC7 will be taken forwards for assessment as a SPC. The historical airfields uses will be taken forwards for assessment as SPCs, noting that the historical land use review indicates that the airfield uses within the Order Limits were typically confined to storage, runways, perimeter road, aircraft hardstanding or open / agricultural land between these features (all of which are considered to be very low risk uses). It is further noted that all of the airfield infrastructure within the Order Limits was demolished post-war and has since been used

[10] https://www.nationaltransporttrust.org.uk/heritage-sites/heritage-detail/seething-airfield

as agricultural land for at least 50 years. The UXO hazard is assessed separately.

2.4.16 The ES Motorsport garage immediately north of Sub-Site 5A will be taken forwards for assessment as a SPC. The vehicle breakers / scrap metal merchants to the south-east of CRC6, the former breakers yard to the west of CRC10 and the commercial uses between Sub-Sites 10D and 10E 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 land within the Order Limits, and therefore the SPCs do not present a credible hazard.

2.4.17 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 that could potentially have been used on the aircraft dials), and / or 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

2.4.18 The Groundsure Report (GS, 2026) indicates that there are no active permitted discharge consents within the Order Limits.

2.4.19 Of the 20No. consented discharges within the Study Area (20No. of which are indicated to be revoked), the majority relate to the discharge of treated sewage effluent from individual properties, either to surface water or groundwater. One consent relates to the discharge of surface water run-off to a watercourse. Consented discharges are not considered to present a credible hazard as they are, by their nature, consented by the regulating authority and therefore highly unlikely to be of such a nature that there is a credible likelihood of environmental harm occurring.

Pollution Incidents

2.4.20 The Groundsure Report (GS, 2026) indicates that there are no recorded substantiated pollution incidents within the Order Limits.

2.4.21 Five of the eight substantiated pollution incidents within the Study Area 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) in respect of their impact to either land or water.

2.4.22 Of the remaining three incidents:

- Incident ref: 69328 occurred in 2002 approximately 180m east of CRC7 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.

- Incident ref: 1426227 occurred in 2016 approximately 140m north of Sub-Site 10D and involved the release of fire-fighting run-off. The EA classified this incident as Category 3 (Minor) in respect of impacts to water and land and Category 2 (Significant) in respect of impact to air.

- Incident ref: 112100 occurred in 2002 approximately 250m east of Sub-Site 4B and involved the release of "containers". The EA classified this incident as Category 4 (No Impact) in respect of impacts to water and air and Category 2 (Significant) in respect of impact to land.

2.4.23 Pollution incidents of Minor and No Impact severity are not considered to present a credible source of potential contamination. Impacts to air are outside of the scope of this assessment and are not considered further.

2.4.24 Pollution incident ref: 112100 is not taken forwards for assessment as a SPC on the basis that it occurred over 23 years ago and any impact to land approximately 250m outside of the Order Limits is highly unlikely to present a credible source of potential contamination within the Order Limits.

2.5 Regulatory Enquiries

South Norfolk and Broadland District Council

2.5.1 A request for information was sent to South Norfolk and Broadland District Council (SNC) in relation to the historical land use of the land within the Order Limits and Study Area, private water abstractions, and other available geo-environmental related information.

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

- No land within the Order Limits or the Study Area has been formally determined as Contaminated Land as defined in Part 2A of the Environmental Protection Act 1990 (as amended).

- There are 33 PWS registered pursuant to the provisions of the Private Water Supply Regulations 2016 within 1.0km of the boundary provided[11]. The strata from which these PWS abstract water was not provided. These are discussed further in Section 3.4 below.

- The Council do not hold any other relevant ground conditions information.

[11] The information request was undertaken during preparation of the PEIR and as such relates to site boundary at the time of the PEIR. The Order Limits differ from the PEIR boundary principally in the cable routes, which have significantly reduced in area since the PEIR. The data received from the Council remains valid as the Order Limits are located wholly within the PEIR boundary.

Environment Agency

2.5.3 A further request for information was sent to the Environment Agency requesting information in relation to the historical land use of the land within the Order Limits and other available geo-environmental related information.

2.5.4 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 the Study Area – "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 the Study Area. 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 nature of the Scheme, 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

2.5.5 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*.'

2.6 Review of Unexploded Ordnance Risk

UXO Desk Study and Constraints Assessment

2.6.1 A UXO Desk Study and Constraints Assessment has been produced for the Scheme[12]. 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.'*

[12] The UXO Desk Study and Constraints Assessment was produced to support the PEIR and as such uses the PEIR boundary. The Order Limits differ from the PEIR boundary principally in the cable routes, which have significantly reduced in area since the PEIR. The UXO Assessment remains valid as the Order Limits are located wholly within the PEIR boundary.

- *'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.'*

2.6.2 On the basis of the above, a plan has been produced, showing zoned areas of UXO hazard constraint level within the Order Limits and is provided in **Annex 6**. Moderate hazard constraint levels are shown to be present in Sub-Sites 7G and 7H and part of CRC5. High hazard constraint levels are shown in Site 3 associated with the former RAF Hardwick, and in CRC14 and Sub-Sites 10B to 10E associated with the former RAF Seething.

2.6.3 The UXO study concludes that:

- *'For the majority of the Area of Search, evidence indicates that the risk of a UXO hazard being present owing to local military activity is low. There is credible evidence to conclude that at discrete locations, a moderate to high UXO hazard level may exist, especially within the boundaries of former or current military establishments such as airfields and defensive installations.'*

- *'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'* noting that the UXO study was prepared at an earlier stage of the project when the Order Limits were larger to allow for optioneering of the cable route. This has since taken place and the cable route now avoids areas of higher UXO hazard.

- *'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.'*

2.6.4 As such a UXO desk study will be undertaken post-consent.

2.6.5 In addition to the above, construction of the Scheme also falls under the Construction (Design and Management) Regulations 2015 (CDM Regulations). These regulations place specific duties on clients, designers and contractors so that health and safety is considered throughout the life of a project, from its inception to its subsequent final demolition and removal. Under the CDM Regulations, designers are required to avoid foreseeable risks (including UXOs/UXBs) so far as reasonably practicable, by eliminating hazards from the construction, maintenance, and proposed use and demolition of a structure, reducing risks from any remaining hazard, and giving collective safety measures priority over individual measures.

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 within the Order Limits are as reported below.

Superficial Deposits

3.2.3 The superficial deposits present at within the Order Limits, as recorded by the BGS, are described in the table below and are shown on **Figure 1** (**ES: Figure 16.1 Superficial Geology [EN0110014/APP/6.2.16.1]**).

Table 3.1: Superficial Deposits Present Within the Order Limits, as Recorded by the BGS

Stratum	Description	Present Within Sub-Sites / CRCs
Lowestoft Formation – Diamicton / Undifferentiated Happisburgh Glacigenic Formation (Clay and Silt)	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 materials	BESS, 1A, 1B, 1C, 1D, 2A, 2B, 2C, 3, 4A, 4B, 5A, 5B, 6, 7A, 7C, 7D, 7E, 7F, 7G, 7H, 7I, 7J, JK, 7L, 8A, 8B, 9, 10A, 10B, 10C, 10D, 10E CRCs 1 to 14

Stratum	Description	Present Within Sub-Sites / CRCs
	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.	
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 "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".	4A, 4B, 5A, 5B, 7B, 7C CRC6, CRC7, CRC8
Head	The BGS describe this stratum as "gravel, sand and clay depending on upslope source and distance from source. Locally with lenses of silt, clay or peat and organic material".	5A CRC4, CRC6, CRC8
Alluvium	The BGS describe this stratum as "normally soft to firm consolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel".	7A CRC6, CRC7
Peat	The BGS describe this stratum as "a partially decomposed mass of semi-carbonized vegetation which has grown under waterlogged, anaerobic conditions, usually in bogs or swamps".	CRC7
River Terrace Deposits	The BGS describe this stratum as "sand and gravel, locally with lenses of silt, clay or peat".	CRC6

3.2.4 As shown on **Figure 1** (**ES: Chapter 16 Figure 16.1 Superficial Geology [EN0110014/APP/6.2.16.1]**) the predominant superficial deposit within the Order Limits 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. **Figure 3** (**ES: Figure 16.4 Diamicton Thickness [EN0110014/APP/6.2.16.3**) shows the approximate thickness of the Diamicton within the vicinity of the Order Limits, based on the available BGS archive exploratory holes.

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 Order Limits 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 the Hempnall Beck (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 within the Order Limits as recorded by the BGS is described in the table below and presented on **Figure 2** (**ES: Figure 16.2 Bedrock Geology [EN0110014/APP/6.2.16.2]**).

Table 3.2: Bedrock Geology Present within the Order Limits, as Recorded by the BGS

Stratum	Description
Crag Group – Sand and Gravel	The BGS describe the Crag Group as '*sands, gravels, silts and clays. The sands are characteristically dark green from glauconite but weather bright orange with haematite "iron pans."*'
Norwich Crag Formation	The Norwich Crag Formation is a localised member of the Crag Group and is described by the BGS as "a widespread sheet of well sorted, fine- to medium-grained micaceous, glauconitic, locally shelly sands".
Undifferentiated chalk deposits of the Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation and Portsdown Chalk Formation	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. 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.

3.2.8 As shown on **Figure 2** (**ES: Figure 16.2 Bedrock Geology [EN0110014/APP/6.2.16.2]**), the Chalk deposits are present immediately beneath the superficial deposits in Sub-Sites 1A (all except south-eastern corner), 1B (northern half only), 1D, 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 Order Limits, 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 Order Limits 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 within Order Limits.

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 within the Order Limits varies spatially the Order Limits have 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, 1A, 1B, 1C, 1D, 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	17.7 to 31.6	Initially "yellow clay" (weathered Diamicton) becoming "blue clay with chalk stones" by 3.6m to 4.2m 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: The following BGS exploratory archive boreholes were reviewed to produce the above: TM18NE1, TM18NE10, TM18NE11 TM18NE13, TM18NE14, TM18NE34			

3.2.14 Only borehole TM18NE1 included information relating to water strikes, recording water at approximately 45m 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" "Topsoil", "earth"
Alluvium (TM29WS27 only)	0.0	1.5	"Yellow brown SILT with stones" "Yellow brown fine sanded SILT with some soft to firm silty clay layers"
Leet Hill Sand and Gravel Member	1.5	11.0	"Sand and shingle" "Sandy, fine, medium and coarse GRAVEL with some chalk nodules" "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"

Stratum	Depth to Top (m)	Thickness (m)	Description
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" "Hard, pale grey CHALK with occasional flints"
Notes: The following BGS exploratory archive boreholes were reviewed to produce the above: 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 20.4m 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 Site 3.

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. The weathered layer is typically 3m to 5m 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. In TM29SE14 a layer of dense light brown silty calcareous SAND was encountered at 15.8m bgl and proved to 0.7m 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. Beneath the clay approximately 3.8m thickness of sandy fine to coarse subangular to rounded fine to coarse GRAVEL of flint was encountered. Beneath the gravel, dark grey clayey, silty SAND was encountered to the base of the borehole (10m thickness).
Notes: The following BGS exploratory archive boreholes were reviewed to produce the above: TM29SW10, TM29SW32, TM29SW33, TM29SW34, TM29SW35, TM29SW36, TM29SW37, TM29SW38, TM29SE14, TM29SE15, TM29SE16, TM29SE17, TM29E18, TM29SE19 The majority of the above boreholes are located within the open land to the south of Spring Wood, located immediately south and east of Site 3, 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 7.5m 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 4.8m 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: The following BGS exploratory archive boreholes were reviewed to produce the above: 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.

Table 3.7: Ground Conditions Encountered in BGS Archive Exploratory Holes in the Vicinity of Sub-Sites 10A to 10E.

Stratum	Depth to Top (m)	Thickness (m)	Description
Topsoil	0.0	0.9	"Topsoil", "Loam"
Lowestoft Formation - Diamicton	0.0 to 0.9	17.1 to 17.9	Layers of "blue clay" and "brown clay"
Norwich Crag Formation	17.1 to 17.9	45.7 to 47.5	"Sand", "blue clay" and "grey sand"
Chalk	45.7 to 47.5	> 70.1 (base not proved)	"Chalk"
Notes: The following BGS exploratory archive boreholes were reviewed to produce the above: TM39NW7 and TM39NW10			

3.2.18 Groundwater strike details are not provided. Borehole TM39NW7 was lined with steel tubes to 49m bgl (i.e., into the chalk) and had a resting water level of 20.1m bgl indicating that groundwater within the chalk is confined beneath the Crag / Diamicton.

Review of Stantec Archive Historical Reports

3.2.19 A review of Stantec's archive of historical reports did not identify any relevant documents within the Order Limits or the Study Area.

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 Project Substations and the BESS.

3.3.2 Both the Groundsure Report (GS, 2024) and the UK Radon interactive map[13] indicate that at the locations of the BESS and the Project Substations, and in the areas surrounding these features, less than 1% of homes exceed the UK Health Security Agency (UKHSA) radon action level of 200 Bq/m^3. 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 Order Limits are provided in the table below. These are consistent across the whole site wherever these strata are present.

Table 3.8: Aquifer Designations

Stratum	Description	Present Within Sub-Sites / CRCs
Superficial Deposits		
Lowestoft Formation – Diamicton including undifferentiated deposits of the Happisburgh Glacigenic Formation	Secondary Undifferentiated Aquifer. This category is assigned by the EA 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. These have only a minor value".*	BESS, 1A, 1B, 1C, 1D, 2A, 2B, 2C, 3, 4A, 4B, 5A, 6, 7A, 7C, 7D, 7E, 7F, 7G, 7H. 7I, 7J, JK, 7L, 8A, 8B, 9, 10A, 10B, 10C, 10D, 10E. CRCs 1 to 14.
Lowestoft Formation – Sand and Gravel	Secondary A Aquifer. Defined by the EA as "*Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers*".	4A.
Leet Hill Sand and Gravel Member	Secondary A Aquifer.	4B, 5A, 5B, 7B, 7C. CRC6, CRC7, CRC8.
Head	Secondary Undifferentiated Aquifer.	5A. CRC4, CRC6, CRC8
Alluvium	Secondary A Aquifer.	7A.

[13] https://www.ukradon.org/information/ukmaps

Stratum	Description	Present Within Sub-Sites / CRCs
		CRC6, CRC7.
Peat	Unproductive Stratum (non-aquifer). Defined by the EA as "*largely unable to provide usable water supplies and are unlikely to have surface water and wetland ecosystems dependent on them*".	CRC7.
River Terrace Deposits	Secondary A Aquifer.	CRC6.
Bedrock Geology		
Crag Group – Sand and Gravel	Principal Aquifer. Defined by the EA as strata which "*provide significant quantities of drinking water, and water for business needs. They may also support rivers, lakes and wetlands*".	All
Norwich Crag Formation		
Chalk		

3.4.2 The EA's Catchment Data Explorer records that the groundwater beneath the Order Limits 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 (GS, 2026) relating to groundwater vulnerability is summarised in the table below. These classifications are consistent across the whole Site wherever these strata are present.

Table 3.9: Groundwater Vulnerability

Stratum	Description	Present Within Sub-Sites / CRCs
Superficial Deposits		
Lowestoft Formation – Sand and Gravel	The Groundsure report (GS, 2026) indicates that any groundwater within these strata is of "High" vulnerability. The EA define "High" vulnerability as '*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.'*	4A
Peat		CRC7.
Leet Hill Sand and Gravel Member		4B, 5A, 5B, 7B, 7C, CRC6, CRC7, CRC8.
Head		5A. CRC4, CRC6, CRC8
Alluvium		7A. CRC6, CRC7.
River Terrace Deposits		CRC6.

Stratum	Description	Present Within Sub-Sites / CRCs
Lowestoft Formation - Diamicton including undifferentiated deposits of the Happisburgh Glacigenic Formation	The Groundsure report (GS, 2026) indicates that any groundwater within the secondary undifferentiated Diamicton aquifer is of "Medium" vulnerability. The EA define "Medium" vulnerability as '*intermediate between high and low vulnerability*", where "Low" is defined as "*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.'*	BESS, 1A, 1B, 1C, 1D, 2A, 2B, 2C, 3, 4A, 4B, 5A, 6, 7A, 7C, 7D, 7E, 7F, 7G, 7H. 7I, 7J, JK, 7L, 8A, 8B, 9, 10A, 10B, 10C, 10D, 10E. CRCs 1 to 14.
Bedrock Geology		
Crag Group – Sand and Gravel	The Groundsure report (GS, 2026) indicates that any groundwater within the Principal bedrock aquifers is of "Low" vulnerability.	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 PWS) and groundwater Source Protection Zones (SPZs) for areas of the Order Limits to be used either as solar PV arrays or as CRCs.

3.4.5 There is potential for the Project Substations and the BESS (subject to ground investigation and refinement of the detailed design of the Scheme) to require piled foundations.

3.4.6 The BESS, and the Project Substations in located within the BESS Site, Sub-Site 5A, Sub-Site 7F and Sub-Site 10C are located in areas which are underlain (beneath any superficial Diamicton) by Crag Group and subsequently, by chalk bedrock. The National Grid Substation and the Project Substations located in Sub-Site 1B and Sub-Site 4B are located in areas which are underlain (beneath any superficial Diamicton) by chalk. 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 from the maximum parameters associated with the BESS and the Project Substations has been used for the identification of groundwater abstractions (including PWS) and groundwater SPZs.

Groundwater Drinking Water Safeguard Zones

3.4.7 DEFRA's MAGIC viewer (DEFRA, 2026) indicates that no part of the Order Limits is located within a groundwater Drinking Water Safeguard Zone.

Groundwater Source Protection Zones

3.4.8 The Groundsure Report (GS, 2026) records that the majority of the Order Limits are located within a groundwater SPZ 3, with the exception of the northern half of Sub-Sites 1B and 2B, Sub-Sites 1D, 2C, 4A, 4B, 5A, 5B, 7A, the western half of Sub-Sites 7B and 10E, the majority of CRC4, limited parts of CRC6, CRC11 and the northern half of CRC14.

3.4.9 A groundwater SPZ 2 is located approximately 1.0km south-west of the National Grid Substation, 1.2km south-west of the Project Substation in Sub-Site 1B and approximately 740m west of the Project Substation located within the BESS Site. The associated SPZ 1 is located approximately 1.2km south-west of the National Grid Substation / Project Substation in Sub-Site 1B and approximately 970m west of the Project Substation located within the BESS Site. This SPZ appears to relate to a groundwater abstraction at Simpsons Malthouses, some 660m to the south-west of the Order Limits (see below).

3.4.10 A groundwater SPZ 3 is located approximately 880m north-east of the Project Substation in Sub-Site 5A. The Project Substations in Sites 7F and 10C are both located within this SPZ3. This SPZ extends over a large area (including large areas of the Order Limits to the north-east of Site 5) and appears to relate to multiple groundwater abstractions, noting that the nearest SPZ 2 is approximately 5.1 km to the north of the Project Substation located in Sub-Site 7F (the nearest of the Project Substations to the SPZ 2).

Groundwater Abstractions (Including PWS)

3.4.11 Information relating to groundwater abstractions and PWS has been sourced from:

- An information request to South Norfolk and Broadland District Council.
- The BGS' "Water Wells" dataset, as presented on the BGS' GeoIndex viewer.
- A review of BGS archive borehole logs (as presented on the BGS' GeoIndex viewer) for potential water wells.
- EA abstraction data presented within the Groundsure Report (GS, 2026).

3.4.12 The following Study Area has been used for the identification of PWS:

- 1km from the BESS, National Grid Substation, or any of the Project Substations.

- 250m from any other part of the Order Limits.

3.4.13 **ES: Figure 16.5 Licenced Abstractions and Private Water Supplies [EN0110014/APP/6.2.16.5]** shows the potential water wells, permitted abstractions (including 'historical' abstractions) and PWS located within the Order Limits and the Study Area.

3.4.14 It is noted that there is possible duplication between datasets, with the locations of PWS provided by SNBDC often being close to the locations of water wells within the BGS dataset. Where potential duplication occurs both points have been taken forwards for assessment. If only one of the potentially duplicated points has information such as well depth or aquifer from which water is abstracted, then this is assumed to apply to both points.

Structures with the Potential for Deep Piled Foundations

3.4.15 The known PWS within 1.0km of any Project Substations, National Grid Substations, or the BESS are summarised in the table below.

Table 3.10: PWS and Permitted Abstractions Within 1km of the BESS, any Project Substation or the National Grid Substation

Reference	Nearest Project Substation	Is Supply within 1km of a SPC within the Order Limits?	Details
TM18NE10	National Grid Substation – 450m south-west	No	BGS Water Well Record. Borehole encounters chalk at 26.8m bgl. The well is lined to 35.4m bgl and is assumed to draw water from the chalk. Assume active.
7/34/18/*G/0027	National Grid Substation – 460m south-west	No	EA permitted abstraction. Assumed to duplicate TM18NE10 above. Assume active.
TM18NE20 / PWS Record[1]	National Grid Substation – 700m west	No	BGS Water Well Record and LPA PWS record. BGS records indicate this borehole is lined into the chalk and (in 1980) was fitted with a submersible pump. Assume active.
TM18NE5	National Grid Substation – 370m north	No	BGS Water Well Record. Borehole encounters chalk at 31.7m. The well is lined to 38.4m bgl and is assumed to draw water from the chalk. Assume active.
TM18NE35	National Grid Substation – 850m south-west	No	BGS Water Well Record. Borehole encounters chalk at 38.7m bgl and is lined to 46.6m bgl. Assumed to draw water from the chalk. Assume active.
TM18NE14	Project Substation located in Sub-Site 1B – 270m south-east	No	BGS Water Well Record. Borehole encounters chalk at 31.7m bgl and is lined to 39.6m bgl. Assumed to draw water from chalk. Assume active.
7/34/18/*G/0097	Project Substation located within the BESS Site – 330m north-east	No	EA permitted abstraction. Allows the abstraction of up to 18m3 per day of groundwater from a borehole, for the purposes of “General Farming and Domestic”. Assumed to have drawn water from chalk, based on geology of nearby TM18NE34. Assume active.
PWS Record	Project Substation located within the BESS Site – 200m north	No	LPA PWS record. Borehole abstraction. Based on geology of nearby BGS boreholes which record approximately 27m thickness of “clay”, this PWS is assumed to draw water from the chalk. Assume active.

Reference	Nearest Project Substation	Is Supply within 1km of a SPC within the Order Limits?	Details
TM18NE34	Project Substation located within the BESS Site – 310m north-east	No	BGS Water Well Record. Borehole encounters chalk at 32.0m bgl and is lined to 41.1m bgl, i.e., the borehole is assumed to draw water from chalk. Pump test data dated 1996 shows a resting water level of approximately 31.6m below the top of casing. Assume active.
7/34/18/*G/0104	Project Substation located within the BESS Site –300m north-east	No	EA permitted abstraction. Allows the abstraction groundwater from a borehole, for the purposes of "General Farming and Domestic". Assumed to have drawn water from chalk, based on geology of nearby TM18NE34. Assume active.
TM18NE1 / PWS Record	Project Substation located within the BESS Site – 530m north-east	No	BGS Water Well Record. Borehole encounters chalk at 22.5m bgl. Water struck at 45.1m bgl. Lined to 44.6m bgl. Assumed to draw water from chalk. Visit record dated 30/11/1950 states "in use for farm, 500 [gallons per day]. Takes over an hour to pump. Petrol engine. Bore inaccessible for measurement". Borehole assumed to still be in use as an active PWS record is provided.
7/34/18/*G/0063	Project Substation located within the BESS Site – 680m south	No	EA permitted abstraction. Allows the abstraction of up to 28m3 per day of groundwater from a borehole, for the purposes of "General Farming and Domestic". Assumed to have drawn water from chalk, based on geology of nearby TM18NE15. Assume active.
TM18NE15	Project Substation located within the BESS Site – 700m south	No	BGS Water Well Record. Borehole encounters chalk at 26.5m bgl and is lined to 36.0m bgl. Assumed to draw water from chalk. Visit record from 1960 states "in use with electric engine, about 800 [gallons per day] used. Very ferruginous. Bore inaccessible for measurement". Assume active.
TM29SW13	Project Substation located in Sub-Site 5A – 610m north-west	No	BGS Water Well Record. BGS scanned records say "30ft well with hand pump in yard behind outbuildings… in use for one family who live there". Boyland Hall and all outbuildings now demolished. Assume disused.
TM29SW14	Project Substation located in Sub-Site 5A – 500m north-west	No	BGS Water Well Record. BGS scanned records say "50ft, of which 20 feet is clat at top" (i.e., well to 15.2m, with the top 6m being clay) and "a well… is situated in the laundry at Boyland Hall…. RWL 4' 11.5"… now covered slab concrete". Boyland Hall and all outbuildings now demolished. Assume disused.
TM29SW21	Project Substation located in Sub-Site 5A – 440m north	No	BGS Water Well Record. Borehole encounters chalk at 26.8m bgl. The well is lined to 28.0m bgl and is assumed to draw water from the chalk. Assume active.

Reference	Nearest Project Substation	Is Supply within 1km of a SPC within the Order Limits?	Details
TM29SW16A	Project Substation located in Sub-Site 5A – 410m north	No	BGS Water Well Records. 3No. test boreholes drilled as part of the Anglian Water Authority's 'Tas Valley Scheme' in 1976. Boreholes shown to be in area of woodland/ access track adjacent to ES Motorsports auto body shop. No evidence of headworks, buildings, service covers etc. Assumed disused.
TM29SW16B	Project Substation located in Sub-Site 5A – 380m north	No	
TM29SW16C	Project Substation located in Sub-Site 5A – 390m north	No	
PWS Record	Project Substation located in Sub-Site 5A – 590m north-east	No	LPA PWS record. Borehole abstraction. No nearby BGS archive boreholes. Regional information suggests Diamicton thins in this area and it is therefore likely that the borehole draws water from the underlying Crag or the chalk at depth. Assume active.
TM29SW4	Project Substation located in Sub-Site 4B – 670m south-west	Yes	BGS Water Well Record. Borehole encounters chalk at 17.7m bgl. The well is lined to 24.4m bgl and is assumed to draw water from the chalk. Assume active.
PWS Record	Project Substation located in Sub-Site 4B – 830m north	Yes	LPA PWS record. Borehole abstraction. Assumed to draw water from chalk, based on geology of nearby borehole TM29NW29. Assume active.
7/34/12/*G/0002	Project Substation located in Sub-Site 4B – 770m north-east	Yes	EA permitted abstraction. Labelled as 'historical' by Groundsure (GS, 2026). Allows the abstraction of up to 682m3 per day of groundwater from a borehole, for the purposes of "Spray Irrigation". Assumed to have drawn water from chalk, based on geology of nearby borehole TM29NW29. Assume disused.
TM29NW25	Project Substation Located in Sub-Site 7F – 570m north	No	BGS Water Well Record. No original records of boring. BGS scanned record dated 1960 (borehole drilled pre-1947) estimates that it is "Pleistocene Drift" to the base of the borehole at approximately 11.7m bgl. On this basis, borehole would draw water from the Diamicton. The OS map notes several ponds in the area, mostly adjacent to "The Green" (a road). No springs noted. BGS

Reference	Nearest Project Substation	Is Supply within 1km of a SPC within the Order Limits?	Details
			1:10,000 scale geological map notes that the Diamicton here comprises "*Very flat lying plateau of grey-brown clay with chalk and flint pebbles. Patches of sand common*". Nearby Borehole TM29NE18 records "*yellow clay" over "grey clay*" to 14.3m bgl, beneath which glacial sand and gravel are present to 27.1m bgl, overlying the chalk. The ponds in this area suggest that shallow groundwater may be present, potentially due to upwelling of water within the underlying granular glacial deposits, via this more granular area of Diamicton. Assume active.
TM29NW41	Project Substation Located in Sub-Site 7F – 720m north-east	No	BGS Water Well Record. No original records of boring. BGS records state "*grossly polluted with sewage. Totally unfit for any domestic purpose*" and "*disused and completely overgrown with brambles. Bucket and winch! Depth unknown. Said to be 'deep'* ". Assume disused.
7/34/18/*G/0021	Project Substation Located in Sub-Site 10C – 600m west	Yes	EA permitted abstraction. Allows the abstraction of up groundwater from a borehole, for the purposes of "General Farming and Domestic". Assumed to draw water from chalk, based on geology of nearby TM29NE7. Assume active.
TM29NE7	Project Substation Located in Sub-Site 10C – 750m north-west	Yes	BGS Water Well Record. Borehole encounters chalk at 37.5m bgl. The well is lined to 38.1m bgl and is assumed to have drawn water from the chalk. A note on the log states "*Disused – mains supply"*. Assume disused.
Notes: 1. Private water well records were provided by the LPA. These records provided details of the abstraction type (e.g., borehole, well etc., and a location) but did not include the depth of wells/borehole, details of borehole construction or details of the stratum from which water was abstracted. The LPA had concerns relating to release of information covered by GDPR, and as such the co-ordinates of the PWS have not been reproduced in this table.			

3.4.16 None of the identified potentially active PWS or permitted abstraction within the 1km Study Area for the BESS, National Grid Substation, or Project Substations are located within 1km of a SPC within the Order Limits that could be mobilised by the construction of the Scheme[14]. Risks to these PWS from mobilisation of existing contamination have not been identified.

3.4.17 There are no potentially deep-piled substations located within the indicative 50m SPZ1 around any potentially active PWS or permitted abstraction. The nearest potentially active PWS or permitted abstraction is located approximately 200m north of the Project Substation within the BESS Site.

3.4.18 All known abstractions and potentially active PWS within the 1.0km Study Area for the BESS, any Project Substation or the National Grid Substation appear to (or on the basis of the available geological evidence are assumed to) draw water from the chalk at depth beneath the overlying Diamicton.

3.4.19 In relation to the geology at the BESS, the Project Substations and the National Grid Substation:

- The Diamicton beneath Sub-Site 1B is anticipated to be between 20.4m and 22.8m thick, based upon the geology encountered in nearby BGS archive boreholes TM18NE5, TM18NE10 and TM18NE14.
- The Diamicton beneath the BESS Site is anticipated to be between 18.6m and 29.3m thick, based upon the geology encountered in nearby BGS archive boreholes TM18NE15 and TM18NE34.
- The Diamicton beneath the Project Substation in Sub-Site 5A is anticipated to be a minimum of 6m to 8m thick, based upon the geology encountered in the nearest BGS archive boreholes TM29SW16A, B and C, noting that the thickness is likely to be greater given that the Diamicton thins to the north, and the referenced BGS boreholes are located on the northern fringe of the Diamicton.
- The Diamicton beneath Sub-Site 4B is anticipated to be approximately 12m thick at the southern end of the Sub-Site, based on the geology encountered in nearby BGS archive borehole TM29SW4, with the thickness reducing moving northwards towards the boundary with the Leet Hill Sand and Gravel Member which is present across approximately the northern 20% of the Sub-Site.

[14] The PWS within 1km of the Project Substation in Sub-Site 4B are also within 1km of SPC 4 – Former Refuse Tip. It is not proposed to undertake any construction within the footprint of the former refuse tip and therefore contamination associated with the former tip will not be mobilised by the construction of the Scheme.

Three of the four PWS located within 1km the Project Substation in Sub-Site 10C are also located within 1km of the former RAF Seething. Contamination associated with the historical airfield use is considered likely to be 1) limited, given that the airfield infrastructure within the Order Limits was limited to areas of runway, perimeter road, ammunition and bomb stores and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Order Limits, and 2) likely to be dispersed following at least fifty years of agricultural use.

- The Diamicton beneath Sub-Site 7F is anticipated to be approximately 14m thick, based on the geology encountered in nearby BGS archive borehole TM29NW18.

- The Diamicton beneath Sub-Site 10C is anticipated to be between 12m and 17m based on the geology encountered in nearby BGS archive boreholes TM29NE7 and TM39NW7.

3.4.20 In the event that the Diamicton was too soft to support traditional shallow foundations, piled foundations would be required. It is considered highly unlikely that piled foundations in excess of 12m long would be required given the typically low-weight of electrical plant and the anticipated stiffening of the clay within metres of the ground surface.

3.4.21 It is therefore considered highly unlikely that the construction of piled foundations for and the National Grid Substation, the Project Substations in the BESS Site and Sub-Site 1B, and the BESS would result in a potential preferential pathway for contamination (were it to be present) being created through the low-permeability Diamicton and into the deeper chalk aquifer. In absence of a credible pathway for contamination (were it to be mobilised by the construction of the Scheme) to migrate to the underlying chalk aquifer, risks to these PWS from mobilisation of existing contamination have not been identified.

3.4.22 The potentially more limited thickness of Diamicton at the Project Substations in Sub-Sites 5A, 4B, 7F and 10C means that piled foundations could penetrate the low-permeability Diamicton and create a preferential pathway for contamination into the underlying granular strata. The potentially active permitted abstractions and PWS records this relates to are:

- TM29SW21 and a PWS record 600m north-east of the Project Substation in Sub-Site 5A.

- TM29SW4 and a PWS record located 670m south-west and 830m north of the Project Substation in Sub-Site 4B.

- TM29NW25 and TM29NW18, located 570m and 750m north of 132kV the Project Substation in Sub-Site 7F.

- 7/34/18/*G/0021 and TM39NW10, located 600m west and 810m north of the Project Substation in Sub-Site 10C.

3.4.23 In absence of a SPC which could be mobilised by the piling works at the Project Substations in Sub-Sites 5A, 4B, 7F and 10C, risks to these PWS from mobilisation of existing contamination have not been identified.

Sub-Sites and CRCs – PV Array Foundations and Cable Route

3.4.24 The known PWS and permitted abstractions located within the 250m Study Area for land to be used for PV arrays or for the cable route are summarised in the table below.

Table 3.11: PWS and Permitted Abstractions Within 250m of Any PV Array or Cable Route

Reference	Nearest Area of PV Arrays or Cable Route	Is Supply within 250m of a SPC within the Order Limits?	Details
TM18NE10	Sub-Site 1A – 140m west	No	BGS Water Well Record. Borehole encounters chalk at 26.8m bgl. The well is lined to 35.4m bgl and is assumed to draw water from the chalk. Assume active.
7/34/18*G/0027	Sub-Site 1A – 145m west	No	EA Permitted Abstraction. Assumed to duplicate TM18NE10 above. Whilst abstraction permit is now 'historical' PWS use could be continuing without a permit and unknown to LPA. Assumed active.
TM18NE14	Sub-Site 1B – 130m east	No	BGS Water Well Record. Borehole encounters chalk at 31.7m bgl and is lined to 39.6m bgl. Assumed to draw water from chalk. Assume active.
7/34/18/*G/0104	Sub-Site 1B – 140m east	No	EA Permitted Abstraction. Assumed to have drawn water from chalk, based on geology of nearby TM18NE34 and TM18NE14. Assume disused (unlikely to be used for potable supply as within area of barns and a LPA notified PWS is located at the residential property to the west).
PWS Record[1]	Sub-Site 1B – 75m east	No	LPA PWS record. Assumed active. Assumed to draw water from chalk, based on geology of nearby TM18NE34 and TM18NE14. Assume active.
7/34/18/*G/0097	CRC2 – 120m north	No	EA Permitted Abstraction. Assumed to have drawn water from chalk, based on geology of nearby TM18NE34. Assume disused (unlikely to be used for potable supply as within area of barns and a LPA notified PWS is located at the residential property to the west).
TM18NE34	CRC2 – 40m north	No	BGS Water Well Record. Borehole encounters chalk at 32m bgl. The well is lined to 41.4m bgl and is assumed to draw water from the chalk. Assume active.
TM18NE1	CRC2 – 20m north	No	BGS Water Well Record. Borehole encounters chalk at 31.7m bgl. The well is lined to 44.2m bgl and is assumed to draw water from the chalk. Assume active.
PWS Record	CRC2 – 20m north	No	LPA PWS record. Assumed to duplicate TM18NE1 above. Assume active.
PWS Record	Sub-Site 2A – 235m south	No	LPA PWS record. Based on geology in TM18NE15 and TM18NE33, it is considered that this PWS most likely abstracts from either the glacial sand and gravel or the chalk, both underlying the Diamicton which extends to thicknesses of 18.6m and 26.5m in the nearby BGS boreholes. Assume active.
TM18NE11	Sub-Site 2A – 70m east	No	BGS Water Well Record. Borehole encounters chalk at 29.6m bgl. No lining information available. Borehole is assumed to draw water from the chalk. BGS scanned records say "well disused and covered". Borehole is located at the former Depwade Workhouse, later used as a hotel and now

Reference	Nearest Area of PV Arrays or Cable Route	Is Supply within 250m of a SPC within the Order Limits?	Details
			converted to private residences. It is considered highly unlikely that the former disused well is now used to provide potable supply to multiple properties. Assume disused.
TM18NE13	CRC4 – 150m (partially enclosed by CRC4)	No	BGS Water Well Record. Borehole encounters glacial sand and gravel deposits at 19.5m bgl and chalk at 36.6m bgl. No lining information. Assumed to draw water from the chalk. Assume active.
7/34/14/*G/0040	CRC4 – 130m (partially enclosed by CRC4)	No	EA Permitted Abstraction. Assumed to duplicate TM18NE13 above. Assume active.
TM29SW20	CRC4 – 70m east	No	BGS Water Well Record. Borehole encounters chalk at 36.3m bgl. The well is lined to 49.3m bgl and is assumed to draw water from the chalk. Assume active.
7/34/14/*G/0110	CRC4 – 70m east	No	EA Permitted Abstraction. Assumed to duplicate TM29SW20 above. Assume active.
PWS Record	CRC4 – 60m east	No	LPA PWS record, Assumed to duplicate TM29SW20 above. Assume active.
TM29SW44	CRC4 – 220m north	No	BGS Water Well Record. No strata details available. The well is lined to 70.1m bgl and is assumed to draw water from the chalk. Assume active.
7/34/14/*G/0057	CRC4 – 225m north	No	EA Permitted Abstraction. Assumed to duplicate TM29SW44 above. Assume active.
TM29SW4	Sub-Site 4b – 220m west	No	BGS Water Well Record. Borehole encounters chalk at 17.7m bgl. The well is lined to 24.4m bgl and is assumed to draw water from the chalk. Assume active.
TM29NE7	CRC9 – 190m south	No	BGS Water Well Record. Borehole encounters chalk at 37.5m bgl. The well is lined to 38.1m bgl and is assumed to have drawn water from the chalk. A note on the log states "*Disused – mains supply*". Assume disused.
TM39NW16	CRC14 – 120m east	Yes	BGS Water Well Record. No strata details provided. BGS record states *"poor supply"* and *"well never used to any extent as water was too chalky"*. Record also notes *"farm now in the middle of Seething Aerodrome. Buildings demolished and farm dismantled"*. Assume disused.
7/34/18/*G/0021	Sub-Site 10C – 250m south-west	Yes	EA permitted abstraction. Allows the abstraction of up groundwater from a borehole, for the purposes of "General Farming and Domestic". Assumed to draw water from chalk, based on geology of nearby TM29NE7. Assume active.

Reference	Nearest Area of PV Arrays or Cable Route	Is Supply within 250m of a SPC within the Order Limits?	Details
TM39NW7	Sub-Site 10E – 125m north	Yes	BGS Water Well Record. Borehole encounters chalk at 47.5m bgl. The well is lined to 49.7m bgl and is assumed to draw water from the chalk. Assume active.
7/34/15/*G/0028	Sub-Site 10E – 155m north	Yes	EA Permitted Abstraction. Assumed to duplicate TM39NW7 above. Assume active.
PWS Record	Sub-Site 10E – 180m north	Yes	LPA PWS record. Located in close proximity to TM39NW7 and 7/34/15/*G/0028 above but may not duplicate. Based upon geology in TM39NW7, assumed to draw water from the chalk. Assume active.
TM29SW16A/B/C	Sub-Site 5B – Adjacent	No	BGS Water Well Records. Boreholes encounter chalk at 16m bgl. Wells A and C were lined to 50m bgl (i.e., 34m into the chalk) and Well B was lined to 21m (i.e., 5m into chalk). No details of permanent pumping equipment given. These boreholes appear to have been drilled in 1976 as part of the Anglian Water Authority's 'Tas Valley Scheme'. Assumed not to provide public water supply as no permitted abstractions are given at this location and there is no surface infrastructure, the boreholes are shown to be in area of woodland/access track adjacent to ES Motorsports auto body shop. Assume disused / never commissioned as supply boreholes.
PWS Record	Sub-Site 5B – 80m west	No	LPA PWS record. No nearby BGS data. Borehole is located in an area underlain by Diamicton, noting that the Diamicton in this area is likely to be thinner, as the boundary with the Leet Hill Sand and Gravel Member is approximately 180m to the north-east. Assumed to abstract from the Chalk. Assume active.
TM29SW13	Sub-Site 5A – 175m north	No	BGS Water Well Record. BGS scanned records say "*30ft well with hand pump in yard behind outbuildings… in use for one family who live there*". Boyland Hall and all outbuildings now demolished. Assume disused.
TM29SW14	Sub-Site 5A – 110m north	No	BGS Water Well Record. BGS scanned records say "*50ft, of which 20 feet is clat at top*" (i.e., well to 15.2m, with the top 6m being clay) and "*a well… is situated in the laundry at Boyland Hall…. RWL 4' 11.5"… now covered slab concrete*". Boyland Hall and all outbuildings now demolished. Assume disused.
TM29SW21	Sub-Site 5A – 65m north	No	BGS Water Well Record. Borehole encounters chalk at 26.8m bgl. The well is lined to 28.0m bgl and is assumed to draw water from the chalk. Assume active.
TM29NW19	Sub-Site 7A – 190m west	No	BGS Water Well Record. Borehole encounters chalk at 12.8m bgl. The well is lined to 33.2m bgl and is assumed to draw water from the chalk. BGS record states "*supply for home and farm*". Assume active.
PWS Record	Sub-Site 7A – 130m south-west	No	LPA PWS record. No nearby BGS exploratory holes. Borehole is located in area underlain by the Leet Hill Sand and Gravel Member - likely a shallow well drawing water from the superficial deposits. Assume active.

Reference	Nearest Area of PV Arrays or Cable Route	Is Supply within 250m of a SPC within the Order Limits?	Details
TM29NW28	Sub-Site 7C – 160m east	No	BGS Water Well Record. Borehole encounters chalk at 18.9m bgl. The well is lined to 28.8m bgl and is assumed to draw water from the chalk. BGS scanned record states, "*bore outside brick pump house*" and that water is semi-confined within the chalk by the Norwich Crag Formation and the Diamicton. Assume active.
TM29NW44	Sub-Site 7C – 10m south	No	BGS Water Well Record. Borehole encounters chalk at 28.0m bgl. The well is lined to 33.0m bgl and is assumed to draw water from the chalk. Assume active.
7/34/14/*G/0025	Sub-Site 7C – 30m (partially enclosed by CRC7)	No	EA Permitted Abstraction. Based on BGS borehole TM29NW44 approximately 270m to the south-west it is likely that this borehole abstracts from the chalk. Assume active.
PWS Record	Sub-Site 7C – 30m (partially enclosed by CRC7)	No	LPA PWS record. Assumed to duplicate 7/34/14/*G/0025 above. Assume active.
TM29NW3	Sub-Site 7D – 120m north	No	BGS Water Well Record. Borehole encounters chalk at 21.3m bgl. The well is lined to 29.3m bgl and is assumed to draw water from the chalk. Assume active.
TM29NW25	Sub-Site 7F – 170m north	No	BGS Water Well Record. No original records of boring. BGS scanned record dated 1960 (borehole drilled pre-1947) estimates that it is "Pleistocene Drift" to the base of the borehole at approximately 11.7m bgl. On this basis, borehole would draw water from the Diamicton. The OS map notes several ponds in the area, mostly adjacent to "The Green" (a road). No springs noted. BGS 1:10,000 scale geological map notes that the Diamicton here comprises "*Very flat lying plateau of grey-brown clay with chalk and flint pebbles. Patches of sand common*". Nearby Borehole TM29NE18 records "*yellow clay" over "grey clay*" to 14.3m bgl, beneath which glacial sand and gravel are present to 27.1m bgl, overlying the chalk. The ponds in this area suggest that shallow groundwater may be present, potentially due to upwelling of water within the underlying granular glacial deposits, via this more granular area of Diamicton. Assume active.
TM29NW41	Sub-Site 7F – 215m north	No	BGS Water Well Record. No original records of boring. BGS records state "*grossly polluted with sewage. Totally unfit for any domestic purpose*" and "*disused and completely overgrown with brambles. Bucket and winch! Depth unknown. Said to be 'deep'* ". Assume disused.
TM29NE4	Sub-Site 8A – 150m west	No	BGS Water Well Record. Borehole encounters chalk at 34.1m bgl. The well is lined to 41.1m bgl and is assumed to draw water from the chalk. Assume active.

Reference	Nearest Area of PV Arrays or Cable Route	Is Supply within 250m of a SPC within the Order Limits?	Details
PWS Record	Sub-Site 8A – 190m west	No	Cluster of 4x LPA PWS records. On the basis of the geology encountered in nearby TM29NE4 these are all assumed to abstract from the chalk. Assume all are active.
PWS Record	Sub-Site 8A – 160m west	No	
PWS Record	Sub-Site 8A – 195m west	No	
PWS Record	Sub-Site 8A – 165m west	No	
TM29NE5	Sub-Site 8A – 40m south	No	BGS Water Well Record. Borehole encounters chalk at 28.0m bgl. The well is lined to 35.0m bgl and is assumed to draw water from the chalk. Assume active.
PWS Record	Sub-Site 8A – 60m south-west	No	LPA PWS record. Based on geology encountered in nearby TM29NE5, assumed to abstract from the chalk. Assume active.
PWS Record	Sub-Site 8B – 30m south-west	No	LPA PWS record. No nearby BGS exploratory holes. Borehole is located on the edge of a ribbon of Alluvium associated with a stream. Potential for shallow well into Alluvium or a deeper well into the Chalk. Considered more likely that Chalk would provide sufficient supply to support a farm vs. shallow potentially clayey Alluvium. Assume active.
TM29NE1	Sub-Site 8B – 230m north	No	BGS scanned record indicates that this borehole extends through the Diamicton and glacial sand and gravel into the Crag at approximately 24.8m bgl, and then into the chalk at 35.4m bgl. Borehole comprises a "*Well [old?]*" shaft to approximately 21.3m bgl, with an open bore beneath. RWL stated to be 25.6m bgl, water source is therefore unlikely to be the glacial granular deposits which extend to 24.8m bgl. More likely to be Crag or Chalk. Assume active.
PWS Record	Sub-Site 8B – 160m south	No	LPA PWS record. Based on geology encountered in nearby TM29NE13, assumed to abstract from the chalk. Assume active.
TM29NE13	CRC13 – 230m south	No	BGS Water Well Record. Borehole encounters chalk at 30.8m bgl. The well is lined to 44.2m bgl and is assumed to draw water from the chalk. Assume active.
PWS Record	CRC13 – 230m south	No	LPA PWS record. Assumed to duplicate TM29NE13 above. Assume active.
7/34/14/*G/0119	CRC13 – 240m south	No	EA Permitted Abstraction. Assumed to duplicate TM29NE13 above. Assume active.
Notes:			

Reference	Nearest Area of PV Arrays or Cable Route	Is Supply within 250m of a SPC within the Order Limits?	Details
1.			Private water well records were provided by the LPA. These records provided details of the abstraction type (e.g., borehole, well etc., and a location) but did not include the depth of wells/borehole, details of borehole construction or details of the stratum from which water was abstracted. The LPA had concerns relating to release of information covered by GDPR, and as such the co-ordinates of the PWS have not been reproduced in this table.

3.4.25 The majority of the identified potentially active PWS or permitted abstractions within the 250m Study Area for any part of the Order Limits that will be used for either the cable route or for PV arrays are not located within 250m of a SPC within the Order Limits. In absence of PSCs within the Order Limits, risks to these PWS from mobilisation of existing contamination have not been identified.

3.4.26 Only four PWS (i.e., TM39NW7 / 7/34/15/*G/0028, 7/34/18/*G/0021 and a PWS located 180m north of Sub-Site 10E) are located within 250m of a PSC within the Order Limits – the former RAF Seething. Both of these boreholes, and the majority of the identified potentially active PWS or permitted abstractions within the 250m Study Area for any part of the Order Limits that will be used for either the cable route or for PV arrays, are indicated to abstract from the chalk.

3.4.27 Where strata details are provided the shallowest recorded depth to chalk is 12.8m bgl and the shallowest lining (i.e., the depth below which water can enter the borehole) is 24.4m bgl.

3.4.28 The cable trenches will extend to a depth of approximately 2m bgl and the foundations for the PV arrays will extend to a maximum of approximately 4m bgl. It is therefore considered highly unlikely that the construction of foundations for the PV arrays or the excavation of the cable trench would result in a potential preferential pathway for contamination (were it to be present) being created through the low-permeability Diamicton and into the deeper chalk aquifer. In absence of a credible pathway for contamination (were it to be mobilised by the construction of the Scheme) to migrate to the underlying chalk aquifer, risks to these PWS from mobilisation of existing contamination have not been identified.

3.4.29 Two of the identified potentially active PWS or permitted abstractions (TM29NW25 and a PWS located approximately 130m south-west of Sub-Site 7A) potentially do not abstract from the chalk. These PWS are not located within 250m of a SPC within the Order Limits and therefore risks to these PWS from mobilisation of existing contamination have not been identified.

Groundwater Flooding

3.4.30 The potential for groundwater flooding has been reviewed only in areas of proposed structures, i.e. the BESS, National Grid Substation, and the Project Substations. The Groundsure Report (GS, 2026) indicates that these areas are all at a Low risk of groundwater flooding.

3.4.31 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 9 of the ES (**ES: Chapter 9 Water Environment [EN11014/APP/6.1.9]**).

Summary

3.4.32 The majority of the Order Limits 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.

3.4.33 The majority of the land within the Order Limits 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.

3.4.34 For the Project Substations, National Grid Substation, and BESS it is likely that shallow foundations will be utilised, however at this stage a potential requirement for deeper piled foundations cannot be ruled out. It is considered highly unlikely that piled foundations in excess of 12m long would be required. Any such piles would be unlikely to penetrate through the 19.5m (or greater) thickness of Diamicton recorded in the vicinity of the National Grid Substation, the Project Substations located within the BESS Site and in Sub-Site 1B, and the BESS.

3.4.35 The potentially more limited thickness of Diamicton at the Project Substation in Sub-Sites 5A, 4B, 7F and 10C means that piled foundations could penetrate the low-permeability Diamicton and create a preferential pathway for contamination (were it to be present) into the underlying strata.

3.4.36 On the basis of the assessment undertaken, using the information provided by the EA, BGS and LPA, credible risks to PWS have not been identified. The Conceptual Site Model is such that there are no credible contaminant linkages between the PWS and permitted abstractions either within the Order Limits or the Study Area.

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.

Surface Water Features (as Habitats / Biodiversity) & Operational Catchments

BESS and Project Substations

3.5.2 There are no statutory Main Rivers located within 250m of the BESS, National Grid Substation, or the Project Substations.

3.5.3 Contemporary OS mapping records a series of field drains and occasional small ponds within 100m of the National Grid Substation and the Project Substation located in Sub-Site 1B, and along the southern and eastern boundaries of the BESS Site. 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. The EA's Catchment Data Explorer indicates that the National Grid Substation and the Project Substations in the BESS Site and Sub-Site 1B are located within the catchment of the "Starston Brook Water Body"[15]. 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 assessmet'*.

3.5.4 Contemporary OS mapping records a ditch/stream approximately 220m west of the Project Substation in Sub-Site 5A and a ditch/stream within Sub-Site 4B. Flow within these ditches is likely to be to the north towards Hempnall Beck (a statutory Main River), approximately 720m to the north of the Project Substation in Sub-Site 5A and approximately 700m north of the Project Substation in Site 4B. The EA's Catchment Data Explorer indicates that both of these Project Substations are located within the catchment of the "Hempnall Beck Water Body"[16]. During the 2019 assessment cycle this water body received a WFD classification of Poor for ecological quality and Fail for chemical quality. During the 2022 assessment cycle the Poor ecological quality classification was maintained and the chemical quality "*does not require assessment*".

3.5.5 Contemporary OS mapping records only occasional small ponds within 100m of the Project Substation in Site 7F. The EA's Catchment Data Explorer indicates that the Project Substation in Site 7F is located within the catchment of the "Tas (Tasburgh to R. Yare) Water Body"[17]. 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*".

3.5.6 Contemporary OS mapping records a series of field drains and occasional small ponds within 100m of the Project Substation in Site 10C. These

[15] https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045880

[16] https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045720

[17] https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045730

ditches are assumed to convey water towards the Broome Beck approximately 1.5km to the south. The EA's Catchment Data Explorer indicates that the Project Substation in Site 10C is located within the catchment of the "Broome Beck Water Body"[18]. 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*".

PV Arrays and Cable Route

3.5.7 None of the areas within the Order Limits to be used for PV arrays or cable route are located within 250m of a statutory Main River with the exception of:

- The northern tip of Sub-Site 4A, the northern-most end of Sub-Site 5A, the southern-most end of Sub-Site 7A, all of Sub-Site 7B, the southern-extent of Sub-Site 7C, and CRC7, in the centre of the Order Limits which are in close proximity to / crossed by Hempnall Beck.

- Sub-sites 8A and 8B which are located adjacent to a tributary of the River Tas.

3.5.8 Multiple field drains and streams are recorded within 250m of the Sub-Sites and CRCs across the Order Limits including

- The Broome Beck flows in a south-westerly direction as an ordinary watercourse immediately south of the southern boundaries of Sub-Sites 10A and 10C and becomes a main river shortly downstream of Sub-Site 10A; and

- Little Beck (ordinary watercourse tributary of the River Chet (main river)) flows in a northerly direction, to the north-west of Sub-Site 10E and to the east of Site 9.

- Ordinary watercourse tributaries of the River Tas and the Starston Brook flow along the eastern boundary of Sub-Site 7A and the south-western corner of Sub-Site 4A, respectively. Other smaller ordinary watercourses/field boundary ditches are present within several of the Sub-Sites.

3.5.9 The EA's Catchment Data Explorer indicates that the Sub-Sites and CRCs cross several catchments, as detailed in the table below:

[18] https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045903

Table 3.12: Summary of Surface Water Body Information – Sub-Sites and CRCs

Water Body Name / Reference	Description
Starston Brook[1] (Sub-Sites 1A, 1B, 1C, 1D, 2A, 2B, 2C, CRC1, CRC2, CRC3, southern quarter 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). 2022 WFD classification of Moderate for ecological quality and "Does not require assessment" for chemical quality.
Tas (Head to Tasburgh)[2] (Northern edges of Sub-Sites 1B and 1D, Western edge of Sub-Site 4A, one quarter of CRC4)	
Tas (Tasburgh to R. Yare)[4] (northern half of Sub-Site 7C, 7D, 7E, 7F, northern edges of 7G and I, majority of 7J, K and L, 8A, 8B, part of CRC5, half of CRC10, CRC12 and CRC13)	
Broome Beck[6] (Sub-Sites 10A, 10B, 10C, 10D, southern edges of 7K and 7L, part of CRC5, eastern half of CRC8, CRC9)	
Hempnall Beck[3] (Site 3, remainder of Sub-Site 4A, Sub-Sites 4B, 5A, 5B, 6, 7A, 7B, southern half of 7C, 7G, 7H, majority of Sub-Site 7I, southern edge of Sub-Site 7J, remainder of CRC4, 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). 2022 WFD classification of Poor for ecological quality and "Does not require assessment" for chemical quality.
Chet[5] (Sub-Sites 9, 10E and majority of CRC14)	

Notes:

1. https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045880
2. https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045730
3. https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045720
4. https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034051230
5. https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034051190
6. https://environment.data.gov.uk/catchment-planning/WaterBody/GB105034045903

Surface Water Abstractions & Drinking Water Safeguard Zones (Surface Water as a Resource)

BESS, National Grid, and Project Substations

3.5.10 The Groundsure Report (GS, 2026) indicates that there are no recorded licenced surface water abstractions within 1km of the BESS, National Grid Substation, or any of the Project Substations.

3.5.11 DEFRA's MAGIC viewer (DEFRA, 2026) indicates that the National Grid Substation, the BESS, and the Project Substations in the BESS Site and Sub-Sites 1B and 10C are located within a surface water Drinking Water Safeguard Zone (DWSZ) – 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 these areas.

3.5.12 The Project Substations in Sub-Sites 5A, 4B and 7F are shown to be not located within a surface water DWSZ.

PV Arrays and Cable Route

3.5.13 The Groundsure Report (GS, 2026) indicates that there are no recorded licenced surface water abstractions located within 250m of the Sub-Sites and CRCs.

3.5.14 DEFRA's MAGIC viewer (DEFRA, 2026) indicates that the BESS Site, Sub-Sites 1A, 1B, 1C, 1D, 2A, 2B, 2C, the southern edges of Sub-Sites 7J, K and L, 10A, 10B, 10C, 10D, CRC1, CRC2, CRC3, the southern half of CRC4 and CRC5, the eastern half of CRC8 and CRC9 are located within a surface water Drinking Water Safeguard Zone – ref: SWSGZ1020.

3.5.15 The Action Plan for DWSZ ref: SWSGZ102019 shows that this DWSZ is 'at risk' from pesticides (metaldehyde, clopyralid, propyzamide, carbetamide) and nitrate.

3.5.16 The Action Plan states that the source of metaldehyde is slug pellets applied to protect winter cereal crops susceptible to slug damage. Carbetamide and propyzamide are stated to be herbicides used for grass control for winter oil-seed rape and winter bean crops. Clopyralid is stated to be a herbicide used for thistle and mayweed control for sugarbeet, brassica, strawberry, onion and maize crops. The source of nitrates is stated to be *'mostly via runoff carrying fertilizers, manures and livestock effluent.'*

3.5.17 The 'at risk' substances all relate to agricultural uses, and are therefore not relevant to the proposed electrical infrastructure end-use of the Sub-Sites and CRCs.

[19] https://environment.data.gov.uk/farmers/download/SW/SWSGZ1020.pdf

Summary

3.5.18 Due to the presence of nearby surface water receptors (ditches and streams, Hempnall Beck, tributary of the River Tas etc.), surface water (biodiversity) will be taken forward in this assessment and will be considered a sensitive receptor.

3.5.19 On the basis that surface waters are not indicated to be utilised within the Order Limits or within 1km of the BESS or the Project Substations, surface water (resource) will not be taken forward as a receptor for consideration.

3.6 Terrestrial Ecology

3.6.1 The Groundsure Report (GS, 2026) 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 Project Substations 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 (GS, 2026) records four SSSI within 250m of areas of the Order Limits to be used for PV arrays and the cable route and one SSSI located within 1km of the BESS or any of the Project Substations.

- Pulham Market Big Wood, located approximately 190m east of CRC4 is designated as a SSSI. A review of the citation[20] for this SSSI indicates it is designated on the basis of its woodland species and habitats.

- SSSI – Shotesham-Woodton Hornbeam Woods SSSI comprises three Sub-Sites of woodland designated[21] as a SSSI on the basis of their woodland species and habitats. Three of these are located within 250m of the PV arrays and cable route as follows:

  - Little Wood - A parcel of woodland adjacent to Sub-Site 7H and approximately 150m north of CRC8.
  - Saxlingham Grove - A parcel of woodland that adjoins the northern boundaries of Sub-Sites 7F and 7G and is located approximately 200m west of CRC10 and approximately 600m east of the Project Substation in Sub-Site 7F.
  - Little Wood – A parcel of woodland located approximately 150m west of Sub-Site 8B.

3.6.4 **Ancient Woodland** - The Groundsure Report (GS, 2026) records 14no. areas of designated ancient woodland within 250m of areas of the Order

[20] https://designatedsites.naturalengland.org.uk/PDFsForWeb/Citation/1001412.pdf
[21] https://designatedsites.naturalengland.org.uk/PDFsForWeb/Citation/1004212.pdf

Limits to be used for PV arrays and the cable route and one area of designated ancient woodland within 1km of the BESS or any Project Substation.

- Privet Wood, located approximately 190m south of CRC9.
- Ringers Grove, partially enclosed by Sub-Site 8A.
- Spring Wood, located immediately south and east of Sub-Site 3.
- Popes Wood, located immediately east of CRC11 and immediately south of Sub-Site 7C.
- Beckett's Wood, located approximately 200m south of CRC8 and approximately 170m south of CRC9.
- D'oylys Grove, partially enclosed by Sub-Site 7C.
- Saxlingham Grove, located immediately north of Sub-Sites 7F and 7G, approximately 200m west of CRC10 and approximately 600m east of the Project Substation in Sub-Site 7F.
- Little Wood (1), adjacent to Sub-Site 7H and approximately 150m north of CRC8.
- Spring Wood, located approximately 150m north of CRC9.
- Brooke Wood, located approximately 240m north of CRC13 and 150m west of Site 9.
- Little Wood (2), located approximately 150m west of Sub-Site 8B.
- Hedenham Wood, located approximately 150m east of Sub-Site 10B.
- Green Farm Grove, located approximately 220m north of CRC13 and 190m east of Sub-Site 8B.
- Pulham Market Big Wood, located approximately 190m east of CRC4.

3.6.5 **Groundwater Dependent Terrestrial Ecosystems** (GWDTE) – GWDTE are '*wetlands which critically depend on groundwater flows and /or chemistries*'[22]. GWDTE have been identified as follows:

- Pulham Market Big Wood, located approximately 190m east of CRC4.

[22] https://www.wfduk.org/sites/default/files/Media/Environmental%20standards/GWDTE%20chemical%20values_Final_230312.pdf

3.6.6 **Summary** - The SSSI and GWDTE will all be taken forwards for assessment as ecological receptors, noting that the nearest SPC within the Order Limits is located some 3.8 km to the east (former RAF Hardwick).

3.6.7 Given the limited construction to be undertaken in the CRCs and Sub-Sites and therefore the limited potential for the Scheme to impact upon areas of nearby woodland, only areas of ancient woodland located immediately adjacent to the Order Limits (Ringers Grove, Spring Wood, Popes Wood, D'oylys Grove, Saxlingham Grove and Little Wood 1) 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*'[23]. These 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, 2026) and the Groundsure Report (GS, 2026) indicate that the Order Limits are 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[24] on the 11th November 2025. A review of this information indicates that the Order Limits are 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 Property (Buildings and Archaeology)

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 conditions 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 Within the scope of this assessment, the potential for the land within the Order Limits to present a hazard to property, including buildings and statutorily designated archaeological receptors is limited to migration of existing contamination from SPCs within the Order Limits only, e.g., if

[23] Gray, M., 2004, Geodiversity: Valuing and Conserving Abiotic Nature

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

existing contamination within the Order Limits were to migrate and come into contact with foundations, or ground gases were to migrate into an 'off-Site' building and increase the risk of explosion. Other pathways for potential harm to be caused to property (buildings) receptors, such as damage due to ground borne vibrations or groundwater level change during or as a result of construction are outside the scope of this assessment.

3.8.3 Construction induced groundwater level changes could also impact archaeology / buildings receptors outside of the Order Limits, 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.

3.8.4 Mobilisation of existing contamination (if present) due to 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.

3.8.5 Of the SPCs identified within the Order Limits, only the former refuse tip within Sub-Site 4B is considered to have a credible potential for contamination which could migrate, to be present.

3.8.6 A Study Area of 250m from the former refuse tip has been applied for the identification of archaeological / building receptors.

3.8.7 The Groundsure Report (GS, 2026) and contemporary OS mapping identify that there are no properties, statutorily designated archaeological receptors (i.e., world heritage sites, scheduled ancient monuments, national parks, Areas of Outstanding Natural Beauty (AONB), conservation areas, listed buildings, or registered parks or gardens within the 250m Study Area.

3.8.8 On the basis of the above, property (buildings and archaeology) will not 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 **ES: Chapter 15 Soils and Agricultural Land [EN11014/APP/6.1.15]**.

4 Ground Stability Risk Assessment

4.1 Introduction

4.1.1 In accordance with the requirements of the National Planning Policy Framework (MHCLG, 2024), 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 Order Limits, as identified by the desk study.

4.1.2 The potential for land instability has been considered, in relation to:

- Naturally occurring geological hazards including Natural Cavities;
- Artificial Cavities; and
- 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 within the Order Limits, 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 (GS, 2024) indicate that there are no records for natural cavities within 250m of the Order Limits.

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 within or in the immediate vicinity of the Order Limits.

4.3.2 As described in the Mineral Resource Assessment Desk Study (MRA) that accompanies this report (**ES: Appendix 16.2: Minerals Resource Assessment Desk Study [EN0110014/APP/6.3.16.2]**), the BGS' Mineral Resources Map indicates that the Leet Hill Sand and Gravel has historically been extracted in the vicinity of the Order Limits. The insert below shows the locations of these now closed quarries. Online historical Google Earth satellite imagery shows 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.

4.3.4 Overall, based on the ground conditions, the geomorphology of the land within the Order Limits, 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 Order Limits, 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 crosses 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 Order Limits, 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 land within the Order Limits, 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 within the Order Limits is summarised in the table below.

Table 4.1: Stantec Assessment of Geological Hazards Within the Order Limits

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

Hazard	Hazard Potential	Comment
		expected to be present across the majority of the Order Limits. The Moderate element of this hazard potential relates to the limited areas of the Order Limits 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. Whilst the Crag is not present across the whole of the Order Limits 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. 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 Order Limits are anticipated to have a limited potential for landslides, there is a slightly elevated potential for landslides in areas of the Order Limits that cross the slopes of the valley in the approximate centre of the Order Limits (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 Order Limits there is expected to be no significant potential for internal erosion associated with groundwater flows into excavations below the water table. The Moderate potential for running sands relates to areas of the Order Limits 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 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 Order Limits (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 within the Order Limits have not been determined through intrusive investigation at the time of writing. In due

course this information will be required to inform the detailed design of foundations and infrastructure. The geology within the Order Limits needs to be confirmed through site investigation and testing.

4.6.2 The Order Limits are 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 the Scheme, 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, for residential development, bespoke industry technical standards produced by the National House Building Council (NHBC) and Building Research Establishment publications.

4.6.4 It is understood that the proposed cable will be constructed within open-cut trenches which will be backfilled with a granular fill, where possible. In some instances, trenchless methods such as horizontal directional drilling 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 and is normal in this stratum, this potential should be considered further and data collected through ground investigation which will lead to a recommendation for an appropriate concrete mix for proposed ground contact concrete.

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 Sources of Potential Contamination (SPCs) identified within the Order Limits and the Study Area, and associated contaminants of concern (COC) are presented in the table 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 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. The hazard classification ranges between “Very Low” for land uses with a limited potential to generate / release contamination, e.g. residential use, to “Very High” for land uses where widespread elevated concentrations of contamination would be anticipated e.g. hazardous waste landfills, gas or chemical works etc.

5.2.3 The majority of the Order Limits and Study Area are indicated to have remained as 'undeveloped' agricultural land since the earliest historical mapping reviewed, dating from the 1880s. Occasional farm buildings are present in the surrounding area. In these areas it is considered that there is a very low risk of potential sources of significant existing contamination and therefore they are not considered further in this assessment.

Table 5.1: Sources of Potential Contamination

SPC Reference	Description and Hazard Classification	Location	Potential Contaminants of Concern (COC)
SPCs Within the Order Limits			
1	Former RAF Hardwick - A WW2-era airfield. Elements of the airfield within Site 3 included runways, aircraft hardstands, ammunition and bomb stores and the airfield perimeter road. By the 1970s the airfield structures were demolished and the land was returned to agricultural use.[1] Hazard Classification = Low	3	Petroleum hydrocarbons, de-icers (e.g., phenols and glycols), metals, asbestos, PFAS. There is a limited, localised potential for radiological hazards associated with ad-hoc aircraft disposal.
2	Former RAF Seething - A WW2-era airfield. Elements of the airfield within these Sub-Sites included runways, aircraft hardstands, ammunition and bomb stores and the airfield perimeter road. By the 1970s the airfield structures were demolished and the land was returned to agricultural use.[1] Hazard Classification = Low	10A, 10B, 10C, 10D, 10E, CRC14	Petroleum hydrocarbons, de-icers (e.g., phenols and glycols), metals, asbestos, PFAS. There is a limited, localised potential for radiological hazards associated with ad-hoc aircraft disposal.
3	Market Lane Pit. Former pit / quarry (area of approximately 0.04ha) in the north-western corner of Sub-Site 8B. First recorded on mapping dated 1881 and is last recorded in the 1970s. Contemporary LIDAR imagery indicates only a small depression in the area of the former pit. Not recorded by the EA as a landfill. Any limited infill is now >50 years old. Hazard Classification = Low	8B	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.
4	Former 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. Hazard Classification = High	4B	Landfill gases (methane, carbon dioxide, hydrogen sulphide), metals and metalloids, petroleum hydrocarbons, Polycyclic Aromatic Hydrocarbons (PAHs), asbestos, inorganic compounds e.g.

SPC Reference	Description and Hazard Classification	Location	Potential Contaminants of Concern (COC)
			cyanides, sulphates, chloride etc.
SPCs Within the Study Area			
1	Former RAF Hardwick - A WW2-era airfield. WW2. Elements of the airfield within the Order Limits included runways, aircraft hardstands and the airfield perimeter road. By the 1970s the airfield structures within the Order Limits were demolished and the land was returned to agricultural use.[1] Hazard Classification = Low	Immediately south of Site 3	Petroleum hydrocarbons, de-icers (e.g., phenols and glycols), metals, asbestos, PFAS[3]
2	Former RAF Seething - A WW2-era airfield. Elements of the airfield within the Order Limits 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.[1] Hazard Classification = Low	Immediately east of Sub-Sites 10B, 10C, 10D and 10E, and CRC14	Petroleum hydrocarbons, de-icers (e.g., phenols and glycols), metals, asbestos, PFAS[3]
5	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. Hazard Classification = Moderate	Approximately 160m south of Site 3	Landfill gases (methane, carbon dioxide, hydrogen sulphide)
6	Sewage Works - Mapping dated 1951 records two tanks. By 1959 further tanks, filter beds, drying beds and a pump house are shown immediately 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. A pollution incident involving the release of firefighting run-off appears to have occurred at the sewage works in 2002. Hazard Classification = Moderate	Approximately 180m east of CRC7	Metals and metalloids, petroleum hydrocarbons, asbestos, inorganic compounds, pathogens, PFAS, gases from organic matter degradation
7	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. Hazard Classification = High	Approximately 100m north-west of Sub-Site 5A	Landfill gases (methane, carbon dioxide, hydrogen sulphide)
8	Vehicle Servicing and Repair Garage – ES Motorsport.[2]	Immediately north of Sub-Site 5A	Petroleum hydrocarbons, PAHs, VOCs and SVOCs

SPC Reference	Description and Hazard Classification	Location	Potential Contaminants of Concern (COC)
	Hazard Classification = Low		

Notes:

1. Any contamination associated with the historical airfield use is considered likely to be 1) limited, given that the airfield infrastructure within the Order Limits was limited to areas of runway, perimeter road, ammunition and bomb stores and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Order Limits, and 2) likely to be dispersed following at least fifty years of agricultural use.
2. 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 into the Order Limits.
3. It is recognised that PFAS contamination is commonly associated with airfields due to firefighting (use and training). PFAS-containing aqueous film forming foams (AFFF) firefighting foams (termed fluorosurfactants) have been used for the extinguishment of flammable liquid fires since 1962 . By 1946, RAF Seething had closed and the majority of the airfield reverted to agricultural use. In 1962, RAF Hardwick closed, and the main airfield buildings and hangars were demolished. Some of the smaller buildings remain extant and are used by commercial businesses'. Whilst PFAS hazards associated with the historical airfields have not been eliminated, given that the airfields were either no longer in use, or were demolished before the introduction of PFAS-containing AFFFs, PFAS hazards associated with the airfields are considered unlikely.

5.2.4 A plan showing the locations of the above SPCs is provided as **ES: Figure 16.3 Sources of Potential Contamination [EN0110014/APP/6.2.16.3]**).

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 5.2: Potential Receptors

Receptor	Comment	Receptor Sensitivity/Value
Human Health – Within the Order Limits (i.e., 'on-Site')	Construction and Decommissioning – Ground workers constructing or decommissioning the Scheme short-term and transient use of public footpaths by members of the public. Operation – Workers / maintenance staff at Project Substations and BESS, short-term and transient use of public footpaths by members of the public.	High
Human Health – Within the Study Area (i.e., 'off-Site')	Residents of adjacent properties	Very High
Groundwater (resource)	Superficial – Lowestoft Formation (Diamicton, including Happisburgh Glacigenic Formation), = Secondary Undifferentiated Aquifer - predominately clayey / low permeability. Peat, = Non-aquifer. Groundwater SPZs relevant to these strata have not been identified.[25] Superficial – Lowestoft Formation (sand and gravel), Leet Hill Sand and Gravel Member, Alluvium, River Terrace Deposits – predominantly granular, moderate permeability Secondary A Aquifer. Areas underlain by these strata located within a groundwater SPZ3. Bedrock - Chalk & Crag Group / Norwich Crag Formation – Principal aquifers overlain by substantial thickness of low permeability Diamicton across a large proportion of Order Limits. Majority of the Order Limits is located within a groundwater SPZ 3. PWS and permitted abstractions within Study Area.	Low Medium Very High
Groundwater (biodiversity)	Superficial – Shallow groundwater not anticipated within the cohesive, low-permeability Diamicton. GWDTE identified approximately 190m east of CRC4. Chalk – identified as a WFD RBMP groundwater body with chemical quality of 'Poor'. GWDTE not identified.	Low Low
Surface Water (resource)	WFD RBMP Chemical status of 'Fail'. Abstraction not identified within 1.0km of any	Eliminated

[25] It is recognised that there is a SPZ3 in areas underlain at the surface by Diamicton, however it is considered that this would not apply to the predominantly cohesive Diamicton.

Receptor	Comment	Receptor Sensitivity/Value
	Project Substation or within 250m of any PV arrays or the cable route. Potential for abstraction limited based on size/flow of nearby surface water bodies.	
Surface Water (biodiversity)	Starston Brook, Tas (Tasburgh to River Yare), Tas (Head to Tasburgh) and Broome Beck – WFD Ecological Status = Moderate Hempnall Beck and Chet – WFD Ecological Status = Poor	Medium Low
Property - Buildings	Receptor not identified within 250m of the SPCs within the Order Limits with a credible potential for contamination which could migrate, to be present.	Eliminated
Terrestrial Ecology	Multiple SSSI, areas of ancient woodland and a GWDTE are present immediately adjacent to the Sub-Sites and CRC including 1No. SSSI and ancient woodland within 1km ofthe Project Substation in Sub-Site 7F.	SSSI = High Ancient woodland = Medium
Geodiversity	The BESS, Project Substations, 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
Note: Unless stated otherwise the receptors are considered to remain the same throughout the Construction, Operational and Decommissioning Phases.		

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 There are 4 No. areas/sites identified within the Order Limits, and a further 4 No. within the Study Area, where historical potentially significantly contaminative land uses have been identified or where the current land use is potentially significantly contaminative (referred to as SPCs).

Risk Estimation – SPCs Within the Order Limits

5.4.5 The estimated risks associated with each of the SPCs within the Order Limits identified in **Table 5.1** are summarised in the tables below. These should be read in conjunction with **Annex 1** which provides definitions for probability and consequence in Table 4 and Table 5 respectively. It should be noted that assessments of risks to receptors identified within the Study Area (i.e., 'off-Site' receptors) relate to the parts of the SPC within the Order Limits only.

5.4.6 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 5.3: Risk Assessment Inputs - SPC1 (Former RAF Hardwick)

SPC name/ref	SPC 1 – Former RAF Hardwick
Land use history	Former RAF Hardwick - A WW2-era airfield. Elements of the airfield within the Order Limits comprised areas of runway, perimeter road, hardstands and ammunition and bomb stores.
Other pertinent information	The Scheme within the area of this PSC comprises PV arrays (Site 3). The proposed PV array foundations are highly unlikely to penetrate the Diamicton and create a potential preferential pathway for contamination to reach the underlying aquifer.
Geology	Boreholes within the former airfield show that this area is underlain by superficial deposits of the Lowestoft Formation (Diamicton). The Lowestoft Formation here comprises an approximately 3m – 5m upper weathered layer comprising firm to stiff greyish brown to brown and grey slightly gravelly, silty sandy CLAY. Beneath the weathered layer the Diamicton becomes stiff to very stiff dark grey slightly gravelly, silty sandy CLAY and extends to a depth of 15.6m. Beneath the Diamicton deposits of the Norwich Crag Formation were encountered. This formation comprised interbedded layers of soft to firm, initially brown becoming grey, slightly gravelly, silty, sandy CLAY, coarse subangular to rounded fine to coarse GRAVEL of flint, and dark grey clayey, silty SAND.
Hydrogeology	The Lowestoft Formation (Diamicton) is classified as a Secondary Undifferentiated Aquifer. The Norwich Crag Formation bedrock is classified as a Principal Aquifer. No potentially active PWS, and only a single permitted abstraction have been identified within 250m of this SPC. The abstraction in question is not located within 250m of any proposed PV array or cable route. The majority of this SPC is not located within a groundwater SPZ. A limited area at the northern end of the SPC is located within a groundwater SPZ3. Groundwater in the Principal Aquifer is part of a groundwater body with Poor overall WFD classification.
Hydrology	SPC is located in WFD water body catchments with Poor to Moderate ecological WFD classification. Nearby surface water features include ponds and a ditch/stream. Nearby features “Spring Wood” and “Spring Lane” suggest presence of springs in the area, however none are recorded on contemporary OS mapping or historical mapping. Surface water abstractions have not been identified within the Study Area.
Potential for generating contamination	Low - Any contamination associated with the historical airfield use is considered likely to be 1) limited, given that the airfield infrastructure within the Order Limits was limited to areas of runway, perimeter road and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Order Limits, and 2) likely to be dispersed following at least fifty years of agricultural use.
Potential contaminants of concern	Petroleum hydrocarbons, de-icers (e.g., phenols and glycols), metals, asbestos, PFAS (see previous note on low likelihood of PFAS which were not in use during the operating period of the facility). There is a limited, localised potential for radiological hazards associated with ad-hoc aircraft disposal.
Potential receptors	Human Health – Within the Order Limits. Construction Workers during construction and decommissioning phases. Workers and maintenance staff during operational phase. Groundwater (Resource). Water within Norwich Crag Formation Principal aquifer and SPZ3. PWS and permitted abstractions not identified within 250m of this SPC.

SPC name/ref	SPC 1 – Former RAF Hardwick
	Groundwater (Biodiversity) Surface Water (Biodiversity) Terrestrial Ecology – Spring Wood (Ancient Woodland)

Table 5.4: Risk Assessment Output - SPC1 (Former RAF Hardwick)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
Contamination associated with historical RAF Hardwick	Ingestion Inhalation Direct dermal contact	Human Health – Within the Order Limits. Construction workers during construction and decommissioning phases, and workers and maintenance staff during the operational phase (high sensitivity).	Unlikely. This SPC is not anticipated to contain significantly contaminative materials given that the airfield infrastructure within the Order Limits was limited to areas of runway, perimeter road, bomb and ammunition storage and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Order Limits. Limited ground disturbance may occur in Site 3 associated with any localised excavations for cables between arrays / distribution infrastructure. Ground disturbance associated with PV array foundations is not anticipated as these will be driven from the surface without excavation.	Mild	Low (construction and de-commissioning) Very Low (operation)
	Leaching Migration Deposition	Groundwater (Resource) (very high sensitivity)	Unlikely. This SPC is not anticipated to contain significantly contaminative materials given that the airfield infrastructure within the Order Limits was limited to areas of runway, perimeter road, bomb and ammunition stores and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Order Limits. Sensitive groundwater resources are at significant depth below Diamicton, the proposed PV array foundations are highly unlikely to penetrate the Diamicton and create a potential preferential	Mild	Very Low (all phases)
		Groundwater (Biodiversity) (low sensitivity)		Mild	Very Low (all phases)
		Surface water (Biodiversity) (medium sensitivity)		Mild	Low (construction and de-commissioning) Very Low (operation)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
		Terrestrial ecology (medium)	pathway for contamination to reach the underlying aquifer. Limited ground disturbance may occur in Site 3 associated with any localised excavations for cables between arrays / distribution infrastructure. Ground disturbance associated with PV array foundations is not anticipated as these will be driven from the surface without excavation.	Mild	Low (construction and de-commissioning) Very Low (operation)
Note: UXO is not considered as a typical contaminated land hazard. Whilst UXO hazards associated with the former airfield have been identified, management of this hazard will be via mitigation measures to be defined through detailed UXO desk study. In addition, construction of the Scheme also falls under the Construction (Design and Management) Regulations 2015 (CDM Regulations). These regulations place specific duties on clients, designers and contractors so that health and safety is considered throughout the life of a project, from its inception to its subsequent final demolition and removal. Under the CDM Regulations, designers are required to avoid foreseeable risks (including UXOs/UXBs) so far as reasonably practicable, by eliminating hazards from the construction, maintenance, and proposed use and demolition of a structure, reducing risks from any remaining hazard, and giving collective safety measures priority over individual measures. Adoption of these measures is anticipated to reduce the risk associated with UXO to Very Low.					

Table 5.5: Risk Assessment Inputs – SPC2 (Former RAF Seething)

SPC name/ref	SPC 2 – Former RAF Seething
Land use history	Former RAF Seething - A WW2-era airfield. Elements of the airfield within the Order Limits included runways, aircraft hardstands, bomb and ammunition storage and the airfield perimeter road. By the 1970s the airfield structures were demolished and the land was returned to agricultural use
Other pertinent information	The Scheme within the area of this PSC comprises PV arrays and cable route. The proposed PV array foundations are highly unlikely to penetrate the Diamicton and create a potential preferential pathway for contamination to reach the underlying aquifer.
Geology	Boreholes in the vicinity of the former airfield show that this area is underlain by superficial deposits of the Lowestoft Formation (Diamicton). The Lowestoft Formation here comprises up to 17.9m thickness of “blue clay” and “brown clay”. Beneath the Diamicton deposits of the Crag Group were encountered, comprising “sand”, “blue clay” and “grey clay” to approximately 45m bgl. Beneath the Crag, Chalk was encountered and proved to in excess of 70m bgl.
Hydrogeology	The Lowestoft Formation (Diamicton) is classified as a Secondary Undifferentiated Aquifer. The Crag Group bedrock is classified as a Principal Aquifer. 2No. potentially active PWS or permitted abstractions have been identified within 250m of the PV arrays or cable route to be constructed within this SPC, all of which are understood to abstract water from the chalk bedrock. Approximately half of this SPC is located within a groundwater SPZ3. Groundwater in the Principal Aquifer is part of a groundwater body with Poor overall WFD classification.
Hydrology	SPC is located in WFD water body catchments with Poor to Moderate ecological WFD classification. Nearby surface water features are limited to ponds and ditches at field edges. Surface water abstractions have not been identified within the Study Area.
Potential for generating contamination	Low - Any contamination associated with the historical airfield use is considered likely to be 1) limited, given that the airfield infrastructure within the Order Limits was limited to areas of runway, perimeter road, bomb and ammunition storage and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Order Limits, and 2) likely to be dispersed following at least fifty years of agricultural use.
Potential contaminants of concern	Petroleum hydrocarbons, de-icers (e.g., phenols and glycols), metals, asbestos, PFAS. (see previous note on low likelihood of PFAS which were not in use during the operating period of the facility). There is a limited, localised potential for radiological hazards associated with ad-hoc aircraft disposal.
Potential receptors	Human Health – Within the Order Limits. Construction Workers during construction and decommissioning phases. Workers and maintenance staff during operational phase. Human Health – Within the Study Area. Residents of nearby properties, workers at / users of nearby commercial properties. Groundwater (Resource). Water within Crag Group Principal aquifer and SPZ3. PWS and permitted abstractions identified within 250m of this SPC. Groundwater (Biodiversity) Surface Water (Biodiversity) Terrestrial Ecology – Hedenham Wood (Ancient Woodland)

Table 5.6: Risk Assessment Output – SPC2 (Former RAF Seething)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
Contamination associated with historical RAF Seething	Ingestion Inhalation Direct dermal contact	Human Health – Within the Order Limits. Construction workers during construction and decommissioning phases, and workers and maintenance staff during the operational phase (high sensitivity).	Unlikely. This SPC is not anticipated to contain significantly contaminative materials given that the airfield infrastructure within the Order Limits was limited to areas of runway, perimeter road, bomb and ammunition storage and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Order Limits. Limited ground disturbance may occur within Sub-Sites 10B, D and E associated with any localised excavations for cables between arrays / distribution infrastructure. Ground disturbance associated with PV array foundations is not anticipated as these will be driven from the surface without excavation. Greater ground disturbance will occur during the construction of the cable route in CRC14.	Mild	Low (construction and de-commissioning) Very Low (operation)
		Human Health – Within the Study Area (i.e., 'off-Site'). Residents of nearby properties, workers at / users of nearby commercial properties (very high sensitivity)		Mild	Low (construction and de-commissioning) Very Low (operation)
	Leaching Migration Deposition	Groundwater (Resource) (very high sensitivity)	Unlikely. This SPC is not anticipated to contain significantly contaminative materials given that the airfield infrastructure within the Order Limits was limited to areas of runway, perimeter road, bomb and ammunition storage and hardstands, with the technical site, hangars, fuel stores at considerable distance from the Order Limits. Sensitive groundwater resources (including 2x PWS that abstract from the chalk) are present within the underlying chalk at a significant depth below Diamicton, the proposed PV array foundations are highly unlikely to penetrate the Diamicton and create a potential preferential pathway for contamination to reach the underlying aquifer.	Mild	Very Low (all phases)
		Groundwater (Biodiversity) (low sensitivity)		Mild	Very Low (all phases)
		Surface water (Biodiversity) (medium sensitivity)		Mild	Low (construction and de-commissioning) Very Low (operation)
		Terrestrial ecology (medium sensitivity)		Mild	Low (construction and de-commissioning)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
			Limited shallow ground disturbance may occur within Sub-Sites 10B, D and E associated with any localised excavations for cables between arrays / distribution infrastructure. Ground disturbance associated with the driven pile PV array foundations is not anticipated. Greater (but still shallow) ground disturbance will occur within the surface soils and Diamicton during the construction of the cable route in CRC14.		Very Low (operation)
Note: UXO is not considered as a typical contaminated land hazard. Whilst UXO hazards associated with the former airfield have been identified, management of this hazard will be via mitigation measures to be defined through detailed UXO desk study. In addition, construction of the Scheme also falls under the Construction (Design and Management) Regulations 2015 (CDM Regulations). These regulations place specific duties on clients, designers and contractors so that health and safety is considered throughout the life of a project, from its inception to its subsequent final demolition and removal. Under the CDM Regulations, designers are required to avoid foreseeable risks (including UXOs/UXBs) so far as reasonably practicable, by eliminating hazards from the construction, maintenance, and proposed use and demolition of a structure, reducing risks from any remaining hazard, and giving collective safety measures priority over individual measures. Adoption of these measures is anticipated to reduce the risk associated with UXO to Very Low.					

Table 5.7: Risk Assessment Inputs – SPC3 (Market Lane Pit)

SPC name/ref	SPC 3 – Market Lane Pit
Land use history	First recorded on mapping dated 1881 and is last recorded in the 1970s. Contemporary LIDAR imagery indicates only a small depression in the area of the former pit.
Other pertinent information	Former pit / quarry (area of approximately 0.04ha) in the north-western corner of Sub-Site 8B. Not recorded by the EA as a landfill. Any limited infill is now >50 years old. The Scheme within the area of this PSC comprises PV. The proposed PV array foundations are highly unlikely to penetrate the Diamicton and create a potential preferential pathway for contamination to reach the underlying aquifer.
Geology	Boreholes in the vicinity of Sub-Site 8B show that this area is underlain by superficial deposits of the Lowestoft Formation (Diamicton). The Lowestoft Formation here comprises between 12.2m and 25.3m of (predominantly) clay. Beneath the Diamicton deposits of the Crag Group were encountered, comprising “sand and stone” “grey sand” and “sand and clay”. Beneath the Crag, Chalk was encountered at between 28.1m and 30.8m bgl and proved to in excess of 24m thick.
Hydrogeology	The Lowestoft Formation (Diamicton) is classified as a Secondary Undifferentiated Aquifer. The Crag Group bedrock is classified as a Principal Aquifer. Potentially active PWS or permitted abstractions have not been identified within 250m of this SPC. This SPC is located within a groundwater SPZ3. Groundwater in the Principal Aquifer is part of a groundwater body with Poor overall WFD classification.
Hydrology	SPC is located in a WFD water body catchment with a Moderate ecological WFD classification. Nearby surface water features include a stream approximately 150m to the west (tributary of the River Tas) and a pond approximately 310m to the east. Surface water abstractions have not been identified within the Study Area.
Potential for generating contamination	Low – The pit is not recorded by the EA a landfill, however it is recognised that limited, uncontrolled filling of this small (0.04ha) pit could have occurred. Any infilling that did occur appears to be partial only (as a depression is still visible on contemporary LIDAR imagery) and any contamination associated with the infill is likely to be dispersed following at least fifty years of agricultural use.
Potential contaminants of concern	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.
Potential receptors	Human Health – Within the Order Limits. Construction Workers during construction and decommissioning phases. Workers and maintenance staff during operational phase. Groundwater (Resource). Water within Crag Group Principal aquifer and SPZ3. PWS and permitted abstractions have not been identified within 250m of this SPC. Groundwater (Biodiversity) Surface Water (Biodiversity) Terrestrial Ecology – Little Wood (SSSI and Ancient Woodland)

Table 5.8: Risk Assessment Output – SPC3 (Market Lane Pit)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
Contamination associated with any infill within Market Lane Pit	Ingestion Inhalation Direct dermal contact	Human Health – Within the Order Limits. Construction workers during construction and decommissioning phases, and workers and maintenance staff during the operational phase (high sensitivity).	Unlikely. This SPC is not anticipated to contain significantly contaminative materials or to have a significant gas generation potential given the age and scale of any limited infilling that may have occurred. Ground disturbance associated with construction of PV array foundations is not anticipated as these will be driven from the surface without excavation.	Mild	Low (construction and de-commissioning) Very Low (operation)
		Human Health – Within the Study Area (i.e., 'off site'). Residents of nearby properties, workers at / users of nearby commercial properties (very high sensitivity)		Mild	Low (construction and de-commissioning) Very Low (operation)
	Leaching Migration Deposition	Groundwater (Resource) (very high sensitivity)	Unlikely. This SPC is not anticipated to contain significantly contaminative materials or to have a significant gas generation potential given the age and scale of any limited infilling that may have occurred. Significant ground disturbance associated with construction of PV array foundations is not anticipated as these will be driven from the surface without excavation. Sensitive groundwater resources are present within the underlying chalk at a significant depth	Mild	Very Low (all phases)
		Groundwater (Biodiversity) (low sensitivity)		Mild	Very Low (all phases)
		Surface water (Biodiversity) (medium sensitivity)		Mild	Low (construction and de-commissioning) Very Low (operation)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
		Terrestrial ecology (high sensitivity)	below Diamicton, the proposed PV array foundations are highly unlikely to penetrate the Diamicton and create a potential preferential pathway for contamination to reach the underlying aquifer. Ground disturbance associated with PV array foundations is not anticipated as these will be driven from the surface without excavation. A stream flows between Market Lane Pit and Little Wood, at the base of a valley. Any existing contamination released by the works would be highly unlikely to flow past the stream and then up the other side of the valley.	Mild	Very Low (all phases)

Table 5.9: Risk Assessment Inputs – SPC4 (Former Refuse Tip)

SPC name/ref	SPC 4 – Former Refuse Tip
Land use history	Mapping dated 1883 shows a gravel pit extending approximately 30m into the north of Sub-Site 4B. By 1946 the gravel pit had been extended approximately 50m to the east. Mapping dated 1976 records the gravel pit as a refuse tip with an area of approximately 0.5 ha. Subsequent maps and aerial imagery do not record any significant changes until 2001 when the refuse tip is no longer labelled.
Other pertinent information	Whilst recorded as a refuse tip on historical mapping, EA data does not record an historical landfill at this location. Nonetheless, the pit that is visible on historical aerial imagery is no longer present and has been infilled with material of an unknown composition or origin. It is not proposed to undertake any construction works within the footprint of the former refuse tip. Ground investigation will be undertaken to inform the detailed design and this will include further work to delineate the extent of the refuse tip, such that works within the former tip can be avoided.
Geology	BGS mapping indicates that this PSC is underlain by deposits of the Leet Hill Sand and Gravel Member, beneath which bedrock deposits of Chalk are recorded. Given the history of this PSC as a gravel pit prior to use as a refuse tip, the sand and gravel deposits may have been worked to their full depth or alternatively may have been worked down to groundwater level. Following extraction of the mineral resource, the pit has been infilled. The nature of the infill material is unknown.
Hydrogeology	The Leet Hill Sand and Gravel Member is classified as a Secondary A Aquifer. The Chalk bedrock is classified as a Principal Aquifer. Potentially active PWS or permitted abstractions have not been identified within 250m of the parts of this SPC within the Order Limits.

SPC name/ref	SPC 4 – Former Refuse Tip
	This SPC is not located within a groundwater SPZ. Groundwater in the Principal Aquifer is part of a groundwater body with Poor overall WFD classification.
Hydrology	SPC is located in a WFD water body catchment with a Poor ecological WFD classification. Nearby surface water features include a stream approximately 150m to the west and a pond approximately 310m to the east. Surface water abstractions include ponds, ditches, streams and wetland areas associated with Hempnall Beck, approximately 200m north of this SPC.
Potential for generating contamination	High – Former tip is filled with material of an unknown composition or origin. The former tip is likely unlined and likely does not benefit from an engineered capping system. Rainwater will likely be able to readily infiltrate into the material within the former pit, allowing leachate to form. Given the anticipated absence of a liner, this leachate is anticipated to then readily enter the surrounding water environment in both the superficial and bedrock aquifers.
Potential contaminants of concern	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.
Potential receptors	Human Health – Within the Order Limits. Workers and maintenance staff during operational phase. Noting that no construction is proposed within this SPC so a human health receptor has not been identified during the construction and decommissioning phases. Groundwater (Resource). Water within Leet Hill Sand and Gravel Member (superficial Secondary A) and Chalk (bedrock Principal) aquifers. PWS and permitted abstractions have not been identified within 250m of this SPC. Groundwater (Biodiversity) Surface Water (Biodiversity)

Table 5.10: Risk Assessment Output – SPC4 (Former Refuse Tip)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
Contamination associated with former refuse tip	Ingestion Inhalation Direct dermal contact	Human Health – Within the Order Limits. Workers and maintenance staff during the operational phase (high sensitivity).	Unlikely. Construction in the area of the former tip is not proposed therefore there will not be any below-ground structures/infrastructure to maintain in this area during the operational phase. There remains the potential for staff to access this area, however in absence of any ground disturbance the likelihood of staff encountering contamination in the ground is very low. Ground gases generated within the fill may migrate into the surrounding area, however it is considered most likely that any gases would continue to vent to the surface. It is noted that there are no existing or proposed enclosed structures within 250m of the former refuse tip into which gases could migrate	Mild	Very Low (operation)
	Leaching Migration Deposition	Groundwater (Resource) (very high sensitivity)	Likely. There is a potentially active contaminant linkage between the infill of unknown composition and nature within the former refuse tip, and the groundwater within the underlying Leet Hill Sand and Gravel Member, and Chalk. Groundwater within the shallow aquifer is likely to be in hydraulic continuity with Hempnall Beck.	Medium	Moderate (all phases)
		Groundwater (Biodiversity) (low sensitivity)		Mild	Moderate (all phases)
		Surface water (Biodiversity) (medium sensitivity)		Medium	Moderate (all phases)
Note: Risks to groundwater and surface water are identified during both the construction and the operational phase. Contamination associated with the fill in the former pit is potentially present regardless of the construction of the Scheme, as the landfill is assumed to not benefit from an engineered liner and therefore to operate on the ‘dilute and disperse’ principle. The baseline condition is that contamination associated with this PSC could be leaching out into the surrounding water environment.					

Risk Estimation – SPCs Within the Study Area

5.4.7 The following tables describe the risks associated with the SPCs within the Study Area. Where a SPC is present both within the Order Limits and the Study Area, an assessment of the risks presented by the part of the SPC within the Study Area has not been undertaken. In such cases it is assumed that the risks presented by the part of the SPC within the Order Limits (see above) will be greater than the risks presented by the part of the SPC within the Study Area, and therefore the risks within the Order Limits present a 'worst-case' assessment.

5.4.8 The assessment of the risks presented by SPCs within the Study Area has been undertaken only in relation to human health within the Order Limits during the construction, operation and decommissioning phases. The scope of the risk assessment input tables is therefore limited only to the relevant factors for undertaking this assessment.

5.4.9 The assessment of risks to receptors within the Study Area (i.e. 'off-site' receptors) from SPC within the Study Area (i.e. 'off-site' sources) is outside of the scope of this assessment.

Table 5.11: Risk Assessment Inputs – SPC5 (Landfill – "Off West Side of Shelton Airfield Disused")

SPC name/ref	SPC5 – Landfill – "Off West Side of Shelton Airfield Disused" (Within the Study Area)
Land use history	This landfill does not appear on historical mapping, potentially due to having been in use only for a limited time. Information from the EA's historical landfills dataset indicates that this landfill was operated between 1968 and 1975 and received inert, commercial and liquid sludge wastes.
Other pertinent information	This historical landfill is located approximately 160m south of Site 3. The proposed construction in Site 3 comprises PV arrays with a smaller 132kV some 800m north of the landfill. Enclosed structures into which gases could migrate (were they to be present) have not been identified within 250m of the landfill.
Geology	Boreholes within the former airfield land to the south-east of Site 3 that this area is underlain by superficial deposits of the Lowestoft Formation (Diamicton). The Lowestoft Formation here comprises an approximately 3m – 5m upper weathered layer comprising firm to stiff greyish brown to brown and grey slightly gravelly, silty sandy CLAY. Beneath the weathered layer the Diamicton becomes stiff to very stiff dark grey slightly gravelly, silty sandy CLAY and extends to a depth of 15.6m. Beneath the Diamicton deposits of the Norwich Crag Formation were encountered. This formation comprised interbedded layers of soft to firm, initially brown becoming grey, slightly gravelly, silty, sandy CLAY, coarse subangular to rounded fine to coarse GRAVEL of flint, and dark grey clayey, silty SAND.
Hydrogeology	The Lowestoft Formation (Diamicton) is classified as a Secondary Undifferentiated Aquifer. The Norwich Crag Formation bedrock is classified as a Principal Aquifer. This SPC is not located within a groundwater SPZ. Groundwater in the Principal Aquifer is part of a groundwater body with Poor overall WFD classification.
Hydrology	Watercourses flowing between this SPC and Site 3 have not been identified.
Potential for generating contamination	Moderate – There is potential for landfill gases to be generated within the historical landfill.
Potential contaminants of concern	Landfill gases (methane, carbon dioxide, hydrogen sulphide).
Potential receptors	Human Health – Within the Order Limits. Construction Workers during construction and decommissioning phases. Workers and maintenance staff during operational phase.

Table 5.12: Risk Assessment Output – SPC5 (Landfill – "Off West Side of Shelton Airfield Disused")

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
Contamination associated with former "Off West Side of Shelton Airfield Disused" landfill. Located approximately 160m south of Site 3.	Inhalation of landfill gases	Human Health – Within the Order Limits. Construction workers during construction and decommissioning phases, and workers and maintenance staff during the operational phase (high sensitivity).	Unlikely. Landfill gases generated in the landfill would be highly unlikely to migrate onto Site 3 via the functionally impermeable Diamicton. Were any migration to occur, there are no proposed enclosed structures within 250m of the landfill into which gases could accumulate.	Mild	Very Low (all phases)

Table 5.13: Risk Assessment Inputs – SPC6 (Sewage Works)

SPC name/ref	SPC6 – Sewage Works (Within the Study Area)
Land use history	This landfill does not appear on historical mapping, potentially due to having been in use only for a limited time. Information from the EA's historical landfills dataset indicates that this landfill was operated between 1968 and 1975 and received inert, commercial and liquid sludge wastes.
Other pertinent information	The sewage works is located approximately 180m east of CRC7, adjacent to Hempnall Beck. The proposed construction in CRC7 comprises a cable route, of which approximately the northern-most third will be constructed using trenchless methods.
Geology	BGS mapping indicates that SPC6 is underlain by superficial deposits of the Leet Hill Sand and Gravel Member (sand and gravel), Peat, and Alluvium (sand, gravel, silt and clay). Beneath the superficial deposits, bedrock of the Norwich Crag Formation (sand) is indicated to be present.
Hydrogeology	The Leet Hill Sand and Gravel Member and Alluvium are classified as Secondary A Aquifers. The Peat is classified as an Unproductive Stratum (a non-aquifer). The Norwich Crag Formation bedrock is classified as a Principal Aquifer. This SPC is not located within a groundwater SPZ. Groundwater in the Principal Aquifer is part of a groundwater body with Poor overall WFD classification.
Hydrology	Watercourses flowing between this SPC and the sewage works have not been identified.
Potential for generating contamination	Low – There is limited potential for gases produced in any infilled tanks or former sludge beds. A pollution incident involving the release of firefighting run-off (potentially PFAS-containing) occurred at the sewage works in 2002.

SPC name/ref	SPC6 – Sewage Works (Within the Study Area)
Potential contaminants of concern	Landfill gases (methane, carbon dioxide). PFAS compounds within firefighting runoff (2002 pollution incident).
Potential receptors	Human Health – Within the Order Limits. Construction Workers during construction and decommissioning phases. Workers and maintenance staff during operational phase.

Table 5.14: Risk Assessment Output – SPC6 (Sewage Works)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
Contamination associated with sewage works approximately 180m east of CRC7.	Inhalation of ground gases	Human Health – Within the Order Limits. Construction workers during construction and decommissioning phases, and workers and maintenance staff during the operational phase (high sensitivity).	Unlikely. Sludge beds have not been recorded on historical mapping, and any infill of former tanks will be of limited scale and unlikely to be of an organic, degradable fill which could produce gases. It is considered highly unlikely that contamination associated with the pollution incident, approximately 180m east of CRC7, would have migrated into the Order Limits.	Mild	Very Low (all phases)

Table 5.15: Risk Assessment Inputs – SPC7 (Landfill – "Off B1135")

SPC name/ref	SPC7 – Landfill – "Off B1135" (Within the Study Area)
Land use history	This historical landfill is indicated to have been operated between 1982 and 1990 and to have received domestic and commercial wastes. The landfill is indicated to benefit from landfill gas control measures.
Other pertinent information	This historical landfill is located approximately 100m north-west of Sub-Site 5A. The proposed construction in Sub-Site 5A comprises PV arrays and a 400kV substation. The substation is located approximately 510m to the south of SPC7.
Geology	BGS mapping indicates that this SPC is underlain by the Leet Hill Sand and Gravel Member, beneath which bedrock of the Norwich Crag Formation and the Chalk is present (SPC straddles the geological boundary between these two bedrock units). Given this SPC's former use as a sand and gravel pit, the Leet Hill Sand and Gravel Member may have been fully removed, or removed down to the level of the groundwater table. The Lowestoft Formation (Diamicton) is present across the wider area to the south of this SPC and is anticipated to increase in thickness with increasing distance to the south. The Lowestoft Formation directly underlies the majority of Sub-Site 5A.
Hydrogeology	The Leet Hill Sand and Gravel Member is classified as a Secondary A Aquifer. The bedrock of the Chalk and the Norwich Crag Formation are both classified as Principal Aquifers. Lowestoft Formation (Diamicton) is classified as a Secondary Undifferentiated Aquifer. This SPC is not located within a groundwater SPZ. Groundwater in the Principal Aquifer is part of a groundwater body with Poor overall WFD classification.
Hydrology	A ditch / stream appears to flow along the western boundary of Sub-Site 5A. On the basis of the topography the flow is anticipated to be towards the north, i.e., the SPC is located hydraulically downgradient of Sub-Site 5A (in relation to surface water flow).
Potential for generating contamination	High – The landfill is indicated to be fitted with gas control measures to control gases generated within the fairly recently placed landfill waste.
Potential contaminants of concern	Landfill gases (methane, carbon dioxide, hydrogen sulphide).
Potential receptors	Human Health – Within the Order Limits. Construction Workers during construction and decommissioning phases. Workers and maintenance staff during operational phase.

Table 5.16: Risk Assessment Output – SPC7 (Landfill – "Off B1135")

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
Contamination associated with former "Off B1135" landfill. Located approximately 100m north-west of Sub-Site 5A.	Inhalation of landfill gases	Human Health – Within the Order Limits. Construction workers during construction and decommissioning phases, and workers and maintenance staff during the operational phase (high sensitivity).	Unlikely. The landfill is indicated to benefit from gas control measures therefore migration of landfill gases out from the landfill into the surrounding area (within the ground) is considered less likely. Were any migration to occur, there are no proposed enclosed structures within 250m of the landfill into which gases could accumulate. The nearest such structures are located within the Project Substation in Sub-Site 5A in excess of 500m to the south of the landfill.	Mild	Very Low (all phases)

Table 5.17: Risk Assessment Inputs – SPC8 (Vehicle Servicing and Repair Garage)

SPC name/ref	SPC8 – Vehicle Servicing and Repair Garage (Within the Study Area)
Land use history	This historical mapping indicates that the building now occupied by the garage was constructed between 1977 and 1955.
Other pertinent information	This SPC has been taken forwards for assessment only in relation to leakages and spillages within the garage that then flow onto the immediately adjacent Sub-Site 5A via over-land flow. The proposed construction in Sub-Site 5A comprises PV arrays and a 400kV substation. The 400kV substation is located approximately 360m to the south of SPC8.
Geology	BGS mapping indicates that this SPC and the immediately adjacent Sub-Site 5A are underlain by the Lowestoft Formation (Diamicton), beneath which bedrock of the Norwich Crag Formation is present.
Hydrogeology	Lowestoft Formation (Diamicton) is classified as a Secondary Undifferentiated Aquifer. The bedrock of the Chalk and the Norwich Crag Formation are both classified as Principal Aquifers. This SPC is not located within a groundwater SPZ. Groundwater in the Principal Aquifer is part of a groundwater body with Poor overall WFD classification.
Hydrology	Watercourses flowing between this SPC and the sewage works have not been identified.

SPC name/ref	SPC8 – Vehicle Servicing and Repair Garage (Within the Study Area)
Potential for generating contamination	Low – The potential for generating contamination is related to leaks and spills within the garage, that then flow into the Order Limits. Such incidents would likely be recorded as pollution incidents by the EA – and no such incidents are recorded in the EA's dataset.
Potential contaminants of concern	Petroleum hydrocarbons, PAHs, VOCs and SVOCs.
Potential receptors	Human Health – Within the Order Limits. Construction Workers during construction and decommissioning phases. Workers and maintenance staff during operational phase.

Table 5.18: Risk Assessment Output – SPC8 (Vehicle Servicing and Repair Garage)

Potential source	Potential pathway	Potential receptors and sensitivity	Classification of probability	Classification of consequence	Risk Classification
Contamination associated with leakages and spillages at adjacent garage.	Dermal contact Inhalation Ingestion	Human Health – Within the Order Limits. Construction workers during construction and decommissioning phases, and workers and maintenance staff during the operational phase (high sensitivity).	Unlikely. Ground disturbance associated with PV array foundations is not anticipated as these will be driven from the surface without excavation.	Mild	Very Low (all phases)

Summary

5.4.10 The tables below present a summary of the risks presented by the identified SPCs. In areas where SPCs have not been identified, the risks to all receptors from existing contamination are considered to be Very Low.

Table 5.19: Summary of Risks Presented by SPCs Within the Order Limits (i.e., 'on-Site' SPCs)

SPC	Receptor					
	Human Health – Within the Order Limits	Human Health – Within the Study Area	Groundwater (Resource)	Groundwater (Biodiversity)	Surface Water (Biodiversity)	Terrestrial Ecology
Construction and Decommissioning Phases						
SPC1 – Former RAF Hardwick (Site 3).	Low	n/a	Very Low	Very Low	Low	Low
SPC2 – Former RAF Seething (CRC14 and Sub-Sites 10A, 10B, 10C, 10D, 10E, CRC14).	Low	Low	Very Low	Very Low	Low	Low
SPC3 – Market Lane Pit (Sub-Site 8B).	Low	Low	Very Low	Very Low	Low	Very Low
SPC4 – Former Refuse Tip (Sub-Site 4B).	n/a	n/a	Moderate	Moderate	Moderate	n/a
Operational Phase						
SPC1 – Former RAF Hardwick (Site 3).	Very Low	n/a	Very Low	Very Low	Very Low	Very Low
SPC2 – Former RAF Seething (CRC14 and Sub-Sites 10A, 10B, 10C, 10D, 10E, CRC14).	Very Low	Very Low	Very Low	Very Low	Very Low	Very Low
SPC3 – Market Lane	Very Low	Very Low	Very Low	Very Low	Very Low	Very Low

SPC	Receptor					
	Human Health – Within the Order Limits	Human Health – Within the Study Area	Groundwater (Resource)	Groundwater (Biodiversity)	Surface Water (Biodiversity)	Terrestrial Ecology
Pit (Sub-Site 8B).						
SPC4 – Former Refuse Tip (Sub-Site 4B).	Very Low	n/a	Moderate	Moderate	Moderate	n/a
Note: n/a denotes that this receptor has not been identified during this phase of the development.						

Table 5.20: Summary of Risks to Human Health Within the Order Limits Presented by SPCs Within the Study Area (i.e., 'off-Site' SPCs)

SPC	Receptor - Human Health – Within the Order Limits
Construction and Decommissioning Phases	
SPC5 – Landfill "Off West Side of Shelton Airfield Disused" (Approximately 160m south of Site 3)	Very Low
SPC6 – Sewage Works (Approximately 180m east of CRC7)	Very Low
SPC7 – Landfill "Off B1135" (Approximately 100m north-west of Sub-Site 5A)	Very Low
SPC8 – Vehicle Servicing and Repair Garage (Immediately north of Sub-Site 5A)	Very Low
Operational Phase	
SPC5 – Landfill "Off West Side of Shelton Airfield Disused" (Approximately 160m south of Site 3)	Very Low
SPC6 – Sewage Works (Approximately 180m east of CRC7)	Very Low
SPC7 – Landfill "Off B1135" (Approximately 100m north-west of Sub-Site 5A)	Very Low
SPC8 – Vehicle Servicing and Repair Garage (Immediately north of Sub-Site 5A)	Very Low
Note: n/a denotes that this receptor has not been identified during this phase of the development.	

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 The majority of the Order Limits and the 250m Study Area appears to have remained as undeveloped/agricultural land since the late 1800s based on

the earliest reviewed historical mapping and supported by the other data sources reviewed and described above. In these areas, it is considered that there is a very low risk of significant sources of potential contamination.

5.5.3 There are discrete areas within the Order Limits and Study Area that have a history of potentially contaminative land use. The risks to the identified receptors are typically Low to Very Low during the construction and decommissioning phase, and Very Low during the operational phase.

5.5.4 Only SPC4 – former refuse tip, presents a Moderate risk. Water infiltrating into the former refuse tip can potentially leach contamination from the fill material, with this leachate then able to enter the surrounding water environment. This is the baseline condition and occurs regardless of whether the Scheme is constructed or not. Indeed the Scheme avoids any construction within the footprint of the former refuse tip, such that the baseline situation is not altered by the construction of the Scheme.

- 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.

- 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

- 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.

5.5.5 As discussed in **Section 3.4**, risks to PWS or permitted abstractions from the mobilisation of existing contamination in the ground have not been identified across any part of the Scheme.

5.6 Risk Reduction

5.6.1 Risk reduction can be achieved through implementation of remediation or mitigation measures or through further tiers of assessment following collection of site-specific data.

5.6.2 The increased risk to Human Health during the construction phase may be reduced by following industry good practice measures e.g. the contractor working in accordance with Risk Assessments and Method Statements (RAMS) promoting good hygiene, provision of PPE etc. to reduce human health risks,

5.6.3 Risks to groundwater and surface water receptors may be reduced 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.

5.6.4 Embedded mitigation will also be provided by design. Where possible the design of the Scheme will seek to avoid SPCs. Where avoidance is not possible, the SPCs will be investigated, with appropriate measures incorporated into 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.

6 Climate Change

6.1.1 The main climate change assessment is provided in Chapter 6 of the ES (**ES: Chapter 6 Climate Change [EN11014/APP/6.1.6]**). 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; and
- 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, e.g., 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

Land Contamination

7.1.1 The majority of the Order Limits and the 250m Study Area appears to have remained as undeveloped/agricultural land since the late 1800s based on the earliest reviewed historical mapping and supported by the other data sources reviewed and described above. In these areas, it is considered that there is a very low risk of significant sources of potential contamination.

7.1.2 There are discrete areas within the Order Limits and Study Area that have a history of potentially contaminative land use identified as SPCs. The risks to the identified receptors presented by SPCs are assessed as typically Low to Very Low during the construction and decommissioning phase, and Very Low during the operational phase.

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 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

7.1.5 Only SPC4 – former refuse tip, presents a Moderate risk. Water infiltrating into the former refuse tip can potentially leach contamination from the fill material, with this leachate then able to enter the surrounding water environment. This is the baseline condition and occurs regardless of whether the Scheme is constructed or not. Indeed the Scheme avoids any construction within the footprint of the former refuse tip, such that the baseline situation is not altered by the construction of the Scheme.

7.1.6 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. A post-consent investigation is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.

7.1.7 As discussed in Section 3.4, risks to PWS or permitted abstractions from the mobilisation of existing contamination in the ground have not been identified across any part of the Scheme.

7.2 Land Stability & Geotechnical Considerations

7.2.1 The nature and full extent of the strata within the Order Limits have not been determined at the time of writing. Post-consent, this information will be required to inform the detailed design of foundations and infrastructure.

7.2.2 The Order Limits and Study Area are 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 the Scheme, 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. The exception to this will be where the cable is required to pass below sensitive features, in which locations horizontal directional drilling (HDD) or pipe jacking will be used.

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 to inform appropriate concrete mix design.

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 post-consent is recommended following development of the detailed design of the Scheme.

7.3.3 UXO supervision may be required in certain areas of the site during belowground works potentially including ground investigations.

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 Order Limits, therefore there is uncertainty around the actual ground conditions beneath the majority of the Order Limits, including those parts where sources of potential contamination have been identified.

7.5 Recommendations

7.5.1 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 a post-consent intrusive investigation is recommended to characterise the conditions within the Order Limits. 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.

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

7.5.3 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 within the Order Limits 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 within the Order Limits 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.

Figures

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 (June 2025) and CLR 11 is archived, (iii) Contaminated land risk assessment: A guide to good practice (C552) (CIRIA 2001) (iv) National Planning Policy Framework (NPPF, 2024) (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 EA's Land Contamination Risk Management guidance (LCRM) (EA, 2025) was 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 "The Model Procedures for the Management of Land Contamination CLR 11") are applied to the determination of planning applications.

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.

(b) To seek to ensure that contaminated land is made suitable for its current use.

(c) 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".

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 in 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 (SGVs) and Generic Assessment Criteria (GAC) 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 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, cic-1,2-dichloroethene, 1,2-dichloroethane, 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

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, 2024) includes the following.

Paragraph 125 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 197 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 187 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 196 describes the policy considerations the Government expects LPAs to have in regard to land affected by contamination when preparing policies for development plans and in taking decisions on applications.

Paragraph 196 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 201 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*

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 Phase 1 Ground Conditions Assessment (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 (MHCLG, 2024) 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

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 Phase 1 Ground Conditions Assessment report normally comprises a desk study, walkover site reconnaissance and 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 *contaminant 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.

The *Conceptual Site Model* identifies the types and locations of potential contaminant sources/hazards and potential receptors and potential migration/transportation pathway(s). The CSM 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; [1]
- Controlled Waters [2] – 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/

[1] 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 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 Phase 1 Ground Conditions Assessment (Desk Study and Site Reconnaissance).

[2] 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.

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. These were first released by

DEFRA in 2009 (DEFRA 2009) and updated in 2022 (DEFRA, 2022).

These RBMPs 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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Table 1: Criteria for Classifying Hazards / Potential for Generating Contamination

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

Value / Importance / Sensitivity	General Criteria
Very High Very high importance and rarity. International scale and limited potential for substitution.	**Contamination**: 1) Human health. Very high sensitivity land use such as residential or allotments. 2) Hydrology. A watercourse having a Water Framework Directive (WFD) ecological classification of High. Surface Water Drinking Water Protection Area. The hydrological receptor is designated as having international importance, such as Special Areas of Conservation (SAC), Special Protection Areas (SPA) and Ramsar Sites. 3) Hydrogeology. Any of the following apply: • Principal aquifer providing a regionally important resource, e.g. public water supply, industrial supply and/or supporting a site protected under EC and UK Legislation LA 108. • Groundwater quality associated with SPZ 1 (including an indicative 50m SPZ 1 around any private water supply). • Nearest abstraction (including private water supplies) is within 50m of the Site. 4) Terrestrial Ecology. Special Areas of Conservation (SAC and candidates), Special Protection Areas (SPA and potentials) or wetlands of international importance (RAMSAR) 5) Property (Buildings and Archaeology). Nationally significant infrastructure, world heritage site, scheduled monuments.
High High importance and rarity. National scale and limited potential for substitution.	**Contamination**: 1) Human health. High sensitivity land use such as public open space, and construction workers. 2) Hydrology. Watercourse having a WFD ecological classification of Good. The hydrological receptor is designated as having national importance, such as SSSIs. 3) Hydrogeology. Either of the following apply: • Principal aquifer providing a locally important resource, e.g. public water supply, spray irrigation, top up water etc, or supporting a river ecosystem. • Groundwater quality associated with SPZ 2.

	• Nearest active abstraction (including private water supplies) from the stratum in question is between 50m and 250m from the Site. 4) Terrestrial Ecology. SSSI, National or Marine Nature Reserve (NNR or MNR) 5) Property (Buildings and Archaeology). Conservation area, listed building
Medium Medium importance and rarity. Regional scale, limited potential for substitution.	**Contamination**: 1) Human health. Medium sensitivity land use such as commercial or industrial. 2) Hydrology. A watercourse having a WFD ecological classification of Moderate. Site protected at a local level. 3) Hydrogeology. Any of the following apply: • Secondary A Aquifer. • Groundwater quality associated with SPZ 3. • Nearest active abstraction (including private water supplies) from the stratum in question is between 250m to 500m from the Site. 4) Terrestrial Ecology. Locally (non-statutory) designated sites. County wildlife sites. 5) Property (Buildings and Archaeology). No statutory designation, residential property.
Low Low importance and rarity. Local scale.	**Contamination**: 1) Human health. Low sensitivity land use such as highways and rail. 2) Hydrology. A watercourse having a Water Framework Directive (WFD) ecological classification of Poor or Bad. Site protected at local level or not protected. 3) Hydrogeology. All of the following apply: • Secondary B or Secondary Undifferentiated Aquifer. • Site is not located within an SPZ. • Nearest active abstraction (including private water supplies) from the stratum in question is between 500m to 1km from the Site. 4) Terrestrial Ecology. No statutory designation, local habitat resources. 5) Property (Buildings and Archaeology). No statutory designation, commercial or industrial property of local value, substations, pumping stations
Negligible Very low importance and rarity. Local scale.	**Contamination**: 1) Human health. Undeveloped surplus land/no sensitive land use proposed. 2) Hydrology. No receptor identified within Study Area. 3) Hydrogeology. All of the following apply: • Unproductive Stratum (i.e., a non-aquifer). • Site is not located within an SPZ. • Abstractions (including private water supplies) not identified within 1km. 4) Terrestrial Ecology. No statutory designation 5) Property (Buildings and Archaeology). Temporary structures, low value or replaceable structures e.g., garden sheds. Registered battlefield, registered Park or Garden

Table 3: Exposure Pathway and Modes of Transport

Receptor	Pathway	Mode of transport
Human health	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
Groundwater	Leaching	Gravity / permeation
	Migration	Natural – groundwater as pathway Anthropogenic (e.g. boreholes, culverts, pipelines etc.)
Surface Water	Direct	Runoff or discharges from pipes
	Indirect	Recharge from groundwater
	Indirect	Deposition of windblown dust
Buildings	Direct contact	Sulphate attack on concrete, hydrocarbon corrosion of plastics
	Gas ingress	Migration via natural or anthropogenic paths
Ecological systems	See Notes	Runoff/discharge to surface water body
	See Notes	Windblown dust
	See Notes	Groundwater migration
	See Notes	At point of contaminant source
Animal and crop	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
High likelihood	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.
Likely	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.
Low likelihood	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.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long-term.

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

Classification / Score	Examples
Severe	Human health effect - exposure likely to result in "significant harm" as defined in the Defra (2012) Part 2A Statutory Guidance [1]. 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. Ecological effect - short-term exposure likely to result in a substantial adverse effect. Catastrophic damage to crops, buildings or property
Medium	Human health effect - exposure could result in "significant harm" [1]. Controlled water effect - equivalent to EA Category 2 incident requiring notification of abstractor Ecological effect - short-term exposure may result in a substantial adverse effect. Damage to crops, buildings or property
Mild	Human health effect - exposure may result in "significant harm" [1]. Controlled water effect - equivalent to EA Category 3 incident (short lived and/or minimal effects on water quality). Ecological effect - unlikely to result in a substantial adverse effect. Minor damage to crops, buildings or property. Damage to building rendering it unsafe to occupy (for example foundation damage resulting in instability).
Minor	No measurable effect on humans. Protective equipment is not required during site works. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects to crops, buildings or property. The loss of plants in a landscaping scheme. Discolouration of concrete.

[1] 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)

	Consequence			
Probability	***Severe***	***Medium***	***Mild***	***Minor***
High likelihood	Very high	High	Moderate	Moderate/Low
Likely	High	Moderate	Moderate/Low	Low
Low likelihood	Moderate	Moderate/Low	Low	Very low
Unlikely	Moderate/Low	Low	Very low	Very low

Table 7: Description of Risks and Likely Action Required

Risk Classification	Description
Very high risk	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.
High risk	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.
Moderate risk	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.
Low risk	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.
Very low risk	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

Groundsure
LOCATION INTELLIGENCE

Enviro
Insight

East Pye Solar

Order Details

Date: 06/02/2026

Your ref: EPL055413

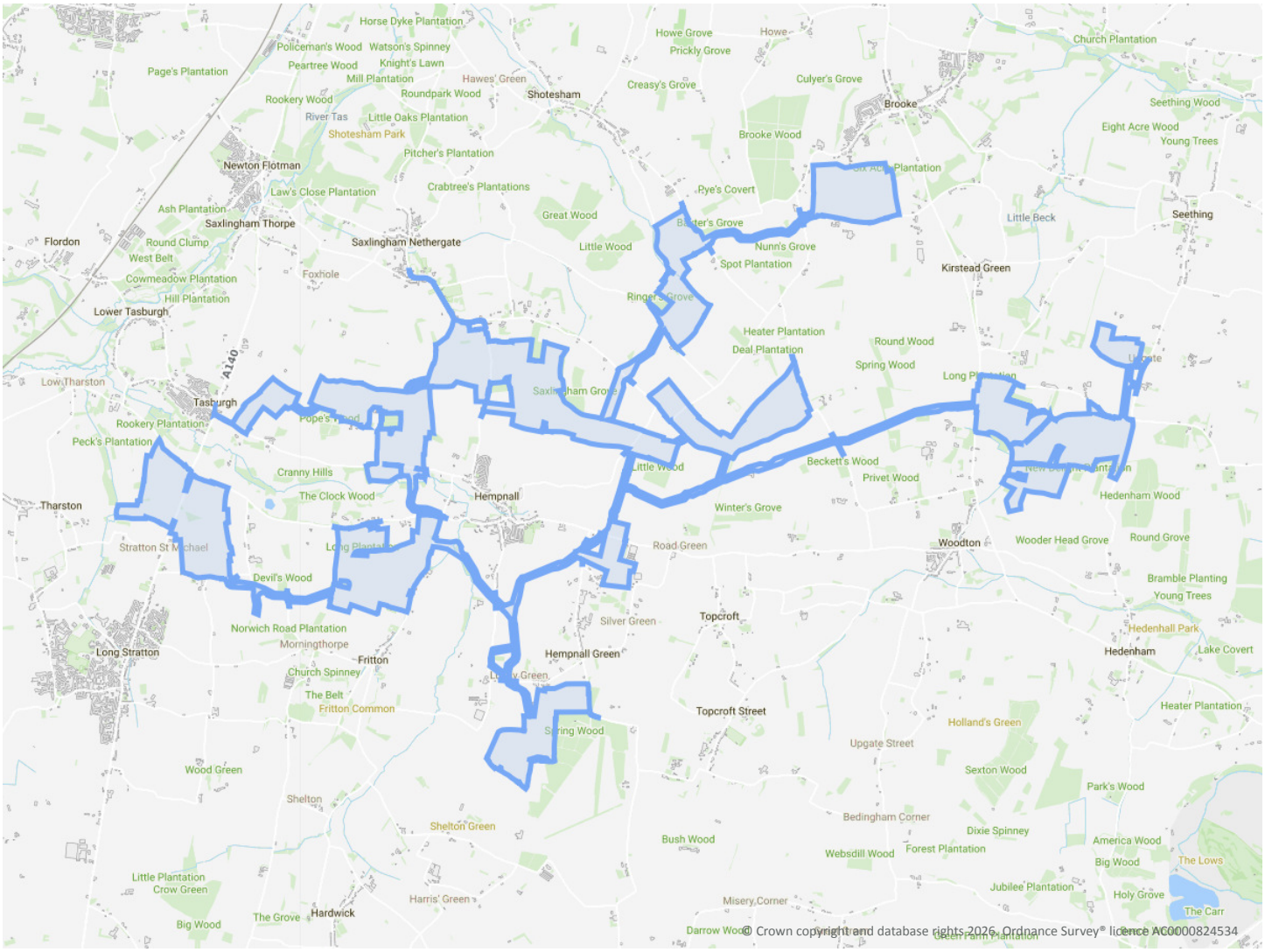
Our Ref: HYD-IND-HI2-P7K-YXP_A

Site Details

Location: 625182 295081

Area: 957.54 ha

Authority: South Norfolk District Council ↗



Summary of findings p. 2 >

Aerial image p. 6 >

OS MasterMap site plan N/A: >10ha

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
11 >	1.1 >	Historical industrial land uses >	20	29	81	65	-
19 >	1.2 >	Historical tanks >	0	0	12	4	-
20 >	1.3 >	Historical energy features >	0	1	7	8	-
21	1.4	Historical petrol stations	0	0	0	0	-
21 >	1.5 >	Historical garages >	0	0	1	1	-
21	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
22 >	2.1 >	Historical industrial land uses >	27	38	111	79	-
32 >	2.2 >	Historical tanks >	0	0	12	7	-
33 >	2.3 >	Historical energy features >	0	2	13	11	-
34	2.4	Historical petrol stations	0	0	0	0	-
34 >	2.5 >	Historical garages >	0	0	2	1	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
35	3.1	Active or recent landfill	0	0	0	0	-
35 >	3.2 >	Historical landfill (BGS records) >	0	0	1	0	-
36	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
36 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	2	1	-
37 >	3.5 >	Historical waste sites >	0	1	3	1	-
38 >	3.6 >	Licensed waste sites >	0	8	4	5	-
42 >	3.7 >	Waste exemptions >	15	83	238	376	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
97 >	4.1 >	Recent industrial land uses >	1	6	27	-	-
100 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	0	0	18	-	-
101	4.3	Current or recent petrol stations	0	0	0	0	-
101	4.4	Electricity cables	0	0	0	0	-
101 >	4.5 >	Gas pipelines >	1	0	0	0	-

101	4.6	Sites determined as Contaminated Land	0	0	0	0	-
101	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
102	4.8	Regulated explosive sites	0	0	0	0	-
102 >	4.9 >	Hazardous substance storage/usage >	0	0	3	0	-
102	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
103 >	4.11 >	Licensed industrial activities (Part A(1)) >	0	2	17	5	-
106	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
106 >	4.13 >	Radioactive Substance Authorisations >	0	0	0	1	-
107 >	4.14 >	Licensed Discharges to controlled waters >	0	12	17	21	-
114	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
114	4.16	Pollutant release to public sewer	0	0	0	0	-
115	4.17	List 1 Dangerous Substances	0	0	0	0	-
115 >	4.18 >	List 2 Dangerous Substances >	0	0	2	0	-
115 >	4.19 >	Pollution Incidents (EA/NRW) >	0	3	5	5	-
117 >	4.20 >	Pollution inventory substances >	0	0	6	2	-
119 >	4.21 >	Pollution inventory waste transfers >	0	0	2	1	-
121	4.22	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Geology (basic) >					
122 >	5.1 >	Superficial geology (625k) >	Identified (within 500m)				
122 >	5.2 >	Bedrock geology (625k) >	Identified (within 500m)				
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
123 >	6.1 >	Superficial aquifer >	Identified (within 500m)				
127 >	6.2 >	Bedrock aquifer >	Identified (within 500m)				
129 >	6.3 >	Groundwater vulnerability >	Identified (within 50m)				
144 >	6.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
145	6.5	Groundwater vulnerability- local information	None (within 0m)				
146 >	6.6 >	Groundwater abstractions >	0	1	5	11	20
154 >	6.7 >	Surface water abstractions >	0	0	0	0	4
155	6.8	Potable abstractions	0	0	0	0	0

156 >	6.9 >	Source Protection Zones >	2	0	0	0	-
156	6.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	**Hydrology** >	On site	0-50m	50-250m	250-500m	500-2000m
157 >	7.1 >	Water Network (OS MasterMap) >	121	134	301	-	-
200 >	7.2 >	Surface water features >	1	59	123	-	-
201 >	7.3 >	WFD Surface water body catchments >	5	-	-	-	-
201 >	7.4 >	WFD Surface water bodies >	1	0	0	-	-
202 >	7.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	**River and coastal flooding** >	On site	0-50m	50-250m	250-500m	500-2000m
203 >	8.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
204 >	8.2 >	Historical Flood Events >	0	0	1	-	-
204	8.3	Flood Defences	0	0	0	-	-
204	8.4	Areas Benefiting from Flood Defences	0	0	0	-	-
205	8.5	Flood Storage Areas	0	0	0	-	-
206 >	8.6 >	Flood Zone 2 >	Identified (within 50m)				
207 >	8.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	**Surface water flooding** >					
208 >	9.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	**Groundwater flooding** >					
210 >	10.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	**Environmental designations** >	On site	0-50m	50-250m	250-500m	500-2000m
211 >	11.1 >	Sites of Special Scientific Interest (SSSI) >	2	0	2	1	3
212	11.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
212	11.3	Special Areas of Conservation (SAC)	0	0	0	0	0
212	11.4	Special Protection Areas (SPA)	0	0	0	0	0
213	11.5	National Nature Reserves (NNR)	0	0	0	0	0
213 >	11.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
213 >	11.7 >	Designated Ancient Woodland >	5	2	9	1	11
214	11.8	Biosphere Reserves	0	0	0	0	0

215	11.9	Forest Parks	0	0	0	0	0
215	11.10	Marine Conservation Zones	0	0	0	0	0
215	11.11	Green Belt	0	0	0	0	0
215	11.12	Proposed Ramsar sites	0	0	0	0	0
215	11.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
216	11.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
216	11.15	Nitrate Sensitive Areas	0	0	0	0	0
216 >	11.16 >	Nitrate Vulnerable Zones >	7	2	1	2	5
218 >	11.17 >	SSSI Impact Risk Zones >	52	-	-	-	-
221 >	11.18 >	SSSI Units >	2	0	3	1	5
Page	Section	**Visual and cultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
226	12.1	World Heritage Sites	0	0	0	-	-
227	12.2	Area of Outstanding Natural Beauty	0	0	0	-	-
227	12.3	National Parks	0	0	0	-	-
227 >	12.4 >	Listed Buildings >	0	32	43	-	-
230 >	12.5 >	Conservation Areas >	3	0	1	-	-
231	12.6	Scheduled Ancient Monuments	0	0	0	-	-
231	12.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
232 >	13.1 >	Agricultural Land Classification >	Grade 2 (within 250m)				
234 >	13.2 >	Open Access Land >	4	3	11	-	-
235 >	13.3 >	Tree Felling Licences >	12	5	8	-	-
236 >	13.4 >	Environmental Stewardship Schemes >	13	4	3	-	-
237 >	13.5 >	Countryside Stewardship Schemes >	47	12	18	-	-
Page	Section	**Habitat designations >**	On site	0-50m	50-250m	250-500m	500-2000m
241 >	14.1 >	Priority Habitat Inventory >	46	52	157	-	-
251 >	14.2 >	Habitat Networks >	8	1	7	-	-
252 >	14.3 >	Open Mosaic Habitat >	0	0	1	-	-
252	14.4	Limestone Pavement Orders	0	0	0	-	-

Recent aerial photograph

Capture Date: 10/08/2022

Site Area: 957.54ha

Recent site history - 2020 aerial photograph

Capture Date: 11/04/2020

Site Area: 957.54ha

Recent site history - 2014 aerial photograph

Capture Date: 19/05/2014

Site Area: 957.54ha

Recent site history - 2006 aerial photograph

Capture Date: 11/09/2006

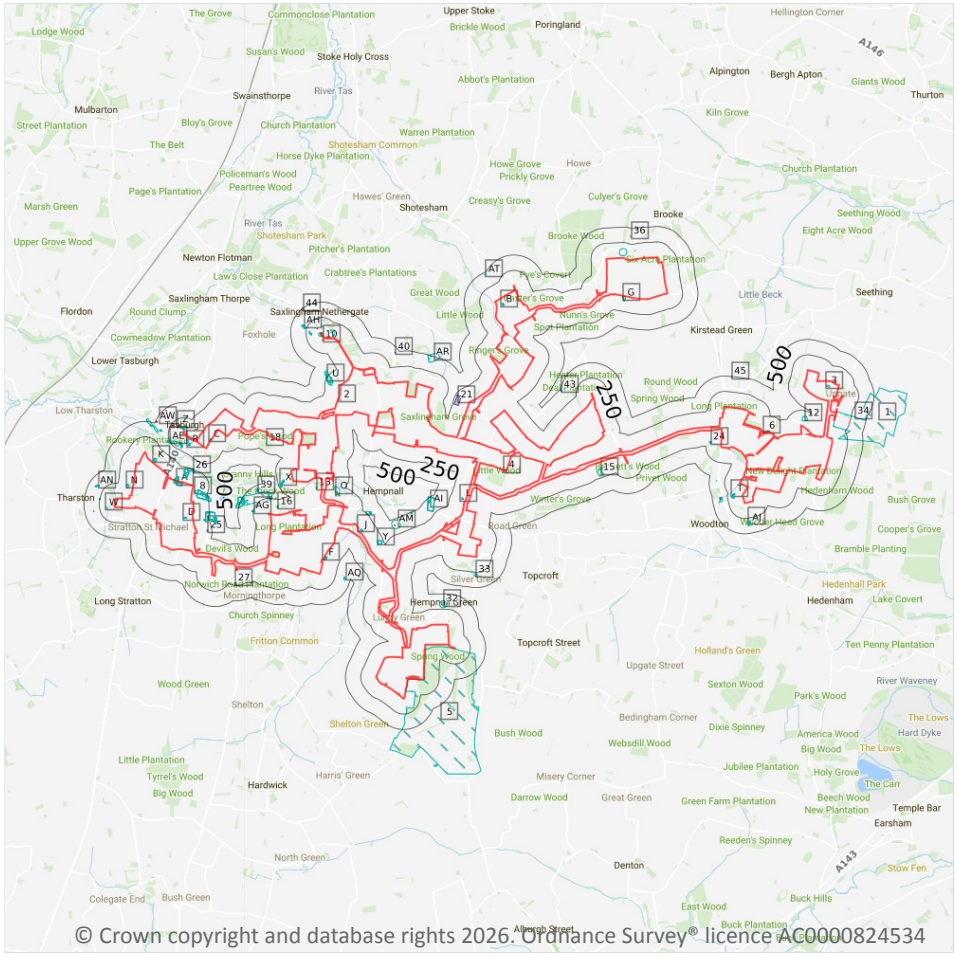
Site Area: 957.54ha

Recent site history - 1999 aerial photograph

Capture Date: 25/06/1999

Site Area: 957.54ha

1 Past land use



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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	195

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 11 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Airfield**	**1973**	**2357800**

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Unspecified Hole**	**1907**	**2361039**
3	**On site**	**Unspecified Heap**	**1973**	**2361308**
4	**On site**	**Unspecified Pit**	**1907**	**2382679**
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**	**Unspecified Pit**	**1957**	**2366249**
B	**On site**	**Unspecified Pit**	**1881**	**2374671**
B	**On site**	**Unspecified Pit**	**1946**	**2378484**
B	**On site**	**Unspecified Pit**	**1907**	**2379851**
C	**On site**	**Unspecified Pit**	**1946 - 1951**	**2369222**
C	**On site**	**Unspecified Pit**	**1883**	**2377329**
C	**On site**	**Unspecified Pit**	**1907**	**2378827**
D	**On site**	**Unspecified Pit**	**1907**	**2369344**
D	**On site**	**Unspecified Pit**	**1951**	**2374840**
D	**On site**	**Unspecified Pit**	**1883**	**2379010**
D	**On site**	**Unspecified Pit**	**1946**	**2382106**
E	**On site**	**Smithy**	**1881**	**2371664**
5	2m E	Disused Airfield	1979	2364106
6	4m N	Unspecified Pit	1973	2354974
F	4m E	Smithy	1946 - 1951	2367146
E	4m W	Smithy	1907 - 1946	2382267
F	5m E	Smithy	1883	2364448
E	5m W	Smithy	1951	2366702
F	8m E	Smithy	1906	2375123
G	8m S	Corn Mill	1884	2358193
H	10m NE	Unspecified Pit	1951	2382833

ID	Location	Land use	Dates present	Group ID
I	11m NE	Unspecified Pit	1951	2372408
I	12m NE	Unspecified Pit	1907	2376893
H	13m NE	Unspecified Pit	1907	2372534
I	13m NE	Unspecified Pit	1883	2382925
H	13m NE	Unspecified Pit	1946	2365427
H	14m NE	Unspecified Pit	1883	2373604
I	15m NE	Unspecified Pit	1946	2367418
7	15m SW	Unspecified Pit	1951	2354954
J	32m N	Unspecified Pit	1946 - 1951	2376860
8	34m E	Unspecified Pit	1946	2376073
K	35m NE	Unspecified Pit	1951	2381394
9	36m N	Pumping Station	1978	2354419
K	37m NE	Unspecified Pit	1883	2372142
K	37m NE	Unspecified Pit	1946	2377678
J	38m NE	Unspecified Pit	1906	2363514
K	38m NE	Unspecified Pit	1907	2365214
L	44m NW	Unspecified Pit	1907	2370046
11	44m N	Grave Yard	1881	2358915
L	46m NW	Unspecified Pit	1946	2382449
L	48m NW	Unspecified Pit	1951	2370815
G	52m S	Unspecified Tank	1884	2357207
L	54m NW	Unspecified Pit	1881	2370228
M	54m N	Smithy	1907	2376981
M	57m N	Smithy	1946	2379063
M	68m N	Smithy	1883	2356049
N	69m W	Unspecified Pit	1883 - 1946	2381323
N	73m W	Unspecified Pit	1953	2368492
O	77m N	Sewage Works	1979	2358387

ID	Location	Land use	Dates present	Group ID
12	80m N	Unspecified Works	1973	2362157
P	83m E	Unspecified Pit	1979	2365301
13	84m W	Unspecified Ground Workings	1881	2360464
Q	86m N	Unspecified Pits	1946	2378076
Q	86m N	Unspecified Pits	1883	2378378
P	88m E	Unspecified Pits	1907	2368526
Q	88m N	Unspecified Pits	1951	2369411
P	88m E	Unspecified Ground Workings	1951	2360467
P	90m E	Unspecified Pits	1946	2372618
Q	91m N	Unspecified Pit	1979	2369781
R	91m SW	Unspecified Pit	1907	2374859
R	92m SW	Unspecified Pit	1946	2363253
R	92m SW	Unspecified Pit	1883	2377632
R	95m SW	Unspecified Pit	1951	2379481
S	97m N	Boat House	1951	2377971
S	99m N	Boat House	1907 - 1946	2366246
O	106m N	Unspecified Tank	1979	2357054
15	108m S	Unspecified Beds	1979	2359586
16	109m N	Unspecified Ground Workings	1883	2360466
M	110m N	Smithy	1951	2356050
17	124m N	Sand and Gravel Pit	1979	2362771
T	126m W	Unspecified Pit	1884	2354939
U	127m NW	Brick Works	1907	2379792
O	127m N	Unspecified Tanks	1979	2360197
V	134m S	Unspecified Pit	1946	2365504
V	134m S	Unspecified Pit	1907	2371449
W	135m W	Unspecified Ground Workings	1946 - 1953	2382086
19	135m SW	Gravel Pit	1883	2359848

ID	Location	Land use	Dates present	Group ID
X	137m W	Unspecified Ground Workings	1883	2370469
W	137m W	Unspecified Pit	1907	2376558
V	139m S	Unspecified Pit	1951	2372423
X	142m W	Unspecified Ground Workings	1946	2365562
T	142m W	Unspecified Pit	1907	2368495
X	143m W	Unspecified Ground Workings	1951	2370726
X	143m W	Unspecified Ground Workings	1907	2370733
T	144m W	Unspecified Pit	1951	2366295
Y	145m E	Corn Windmill	1883	2359222
Y	145m E	Disused Windmill	1946	2373749
P	149m E	Clay Pit	1883	2358837
U	151m NW	Brick Works	1946	2375751
U	154m NW	Unspecified Pit	1907	2370843
U	155m W	Unspecified Pit	1946	2378905
U	155m NW	Unspecified Pit	1951	2380344
22	157m W	Corn Windmill	1881	2359387
Y	157m E	Disused Windmill	1906	2372592
Q	164m N	Unspecified Pit	1907	2366913
24	165m W	Unspecified Pit	1907 - 1957	2366652
25	169m E	Unspecified Pit	1883 - 1946	2372150
AA	172m E	Unspecified Pit	1907	2378267
AA	172m E	Unspecified Pit	1946 - 1951	2369614
U	174m NW	Unspecified Pit	1946	2373842
U	174m NW	Unspecified Pit	1951	2366526
U	176m NW	Unspecified Pit	1907	2383277
AB	196m NE	Brick Field	1883	2356343
AB	196m NE	Brick Works	1946	2381829
AB	199m E	Brick Works	1907	2374498

ID	Location	Land use	Dates present	Group ID
26	200m N	Unspecified Ground Workings	1951	2360463
28	220m N	Unspecified Pits	1883	2354267
AD	222m E	Unspecified Pits	1951	2378221
AD	223m E	Unspecified Pits	1883 - 1946	2379414
AB	226m E	Unspecified Kiln	1883	2357478
AB	230m E	Unspecified Kiln	1883	2357477
AE	232m SW	Unspecified Pit	1946	2363576
AB	232m E	Unspecified Heap	1883	2361203
AE	234m SW	Unspecified Pit	1907	2376296
AF	237m NE	Disused Windmill	1979	2357950
AE	237m SW	Unspecified Pit	1951	2375312
29	241m W	Unspecified Ground Workings	1883	2360465
AG	248m W	Unspecified Pit	1883 - 1946	2364481
AG	248m W	Unspecified Pit	1951	2375003
U	249m NW	Unspecified Pits	1946	2354294
U	250m NW	Unspecified Pit	1907	2376627
U	250m NW	Unspecified Pit	1951	2375061
U	261m NW	Unspecified Tank	1907	2357208
AB	264m E	Unspecified Disused Works	1951	2360903
U	267m NW	Unspecified Pit	1951	2368995
U	268m NW	Unspecified Pit	1907	2371922
AF	271m NE	Windmill	1946	2368235
AF	271m NE	Windmill	1951	2368505
AH	272m W	Unspecified Pit	1907	2381220
AF	272m NE	Windmill	1907	2370904
AH	273m W	Unspecified Pits	1946	2354340
32	273m N	Smithy	1883	2355966
AF	276m NE	Corn Windmill	1881	2359224

ID	Location	Land use	Dates present	Group ID
33	278m S	Sawmill	1979	2358888
AH	278m W	Unspecified Pit	1951	2377845
AH	283m W	Unspecified Ground Workings	1881	2360734
AI	285m NW	Burial Ground	1907	2363611
AI	292m NW	Burial Ground	1946	2374048
AI	292m NW	Burial Ground	1881	2370072
34	300m E	Unspecified Tank	1946	2357225
AJ	307m S	Unspecified Pit	1951	2370200
AJ	312m S	Unspecified Pit	1928	2367693
AJ	314m S	Unspecified Pit	1903	2371578
AJ	314m S	Unspecified Pit	1946	2371584
AK	314m E	Unspecified Pit	1951	2369878
AK	315m E	Unspecified Pit	1907	2364037
AK	318m E	Unspecified Pit	1946	2369031
AL	338m W	Smithy	1907	2356045
AM	341m NW	Electric Substation	1979	2355565
AJ	342m S	Unspecified Pit	1884	2380700
AN	343m NW	Unspecified Pit	1946	2366170
AN	343m NW	Unspecified Pit	1883	2375879
AL	345m W	Smithy	1884	2363702
AL	345m W	Smithy	1946 - 1951	2374693
AN	347m NW	Unspecified Pit	1953	2371297
AO	357m W	Unspecified Pit	1946	2374938
AO	358m W	Unspecified Pit	1907	2368202
AO	359m W	Unspecified Pit	1951	2363388
38	380m W	Unspecified Tank	1884	2357196
AP	383m NE	Unspecified Ground Workings	1883	2360564
AQ	388m E	Unspecified Pit	1951	2379945

ID	Location	Land use	Dates present	Group ID
AQ	390m E	Unspecified Pit	1946	2372146
AR	392m N	Brick Field	1881	2356361
AQ	396m E	Unspecified Pit	1906	2365341
39	407m NW	Unspecified Pit	1883	2354712
40	426m NE	Pumping Station	1977	2354434
AP	431m N	Unspecified Pit	1951	2369167
AI	433m NW	Unspecified Pit	1946	2370269
AP	433m N	Unspecified Pit	1907	2369538
AS	434m W	Unspecified Pits	1951	2354266
AI	434m NW	Unspecified Pit	1951 - 1979	2383236
AP	434m N	Unspecified Pit	1946	2375451
41	440m N	Unspecified Heap	1881	2361306
AT	444m NW	Unspecified Pit	1946	2370715
AT	445m NW	Unspecified Pit	1957	2377368
AT	446m NW	Unspecified Pit	1881	2376779
AI	448m NW	Gravel Pit	1881	2359751
AS	452m W	Gravel Pit	1946	2364468
43	465m NW	Unspecified Pit	1957	2354973
AV	471m NW	Unspecified Pit	1907	2380455
AV	474m NW	Unspecified Pit	1946	2364661
AS	483m NW	Gravel Pit	1951	2381548
AS	486m NW	Gravel Pit	1883 - 1907	2380260
44	486m NW	Pumping Station	1977	2354450
AR	488m N	Old Brick Kiln	1907 - 1946	2381033
45	494m N	Unspecified Tank	1884	2357206
AR	495m N	Unspecified Kiln	1881	2357522

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m	16

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 11 >**

ID	Location	Land use	Dates present	Group ID
O	107m N	Unspecified Tank	1995	436940
O	107m N	Tanks	1976	441053
O	108m N	Tanks	1959	440074
O	108m N	Tanks	1985	441029
O	109m N	Tanks	1985	439340
O	109m N	Tanks	1959	441849
18	128m S	Unspecified Tank	1884	436930
20	137m N	Unspecified Tank	1905	437421
23	159m NW	Unspecified Tank	1975	436938
27	215m S	Tanks	1976	438127
AB	236m E	Unspecified Tank	1884	436929
30	249m SE	Tanks	1999	438125
31	263m N	Unspecified Tank	1995	436941
35	350m W	Tanks	1976 - 1995	441971
AU	467m NW	Unspecified Tank	1984 - 1995	441113
AU	467m NW	Unspecified Tank	1959	438720

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m	16

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 11 >**

ID	Location	Land use	Dates present	Group ID
10	40m SW	Electricity Substation	1975 - 1991	330926
14	92m NW	Electricity Substation	1991	327839
Z	145m NW	Electricity Substation	1959	327997
Z	145m NW	Electricity Substation	1984 - 1995	328562
Z	146m NW	Electricity Substation	1974	331140
AC	216m NW	Electricity Substation	1959 - 1984	330780
AC	219m NW	Electricity Substation	1995	328355
AF	240m NE	Electricity Substation	1995	327840
36	368m N	Electricity Substation	1974	327836
37	370m NW	Electricity Substation	1959	331661
AM	396m N	Electricity Substation	1976 - 1995	328095
42	449m N	Electricity Substation	1974	327837
AW	475m NW	Electricity Substation	1984	329495
AW	475m NW	Electricity Substation	1959	331081
AW	477m NW	Electricity Substation	1974	329708
AW	478m NW	Electricity Substation	1995	331681

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	2

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 11 >**

ID	Location	Land use	Dates present	Group ID
21	148m W	Car Breaker's Yard	1995	97494
AL	341m W	Garage	1977	97313

This data is sourced from Ordnance Survey® / Groundsure.

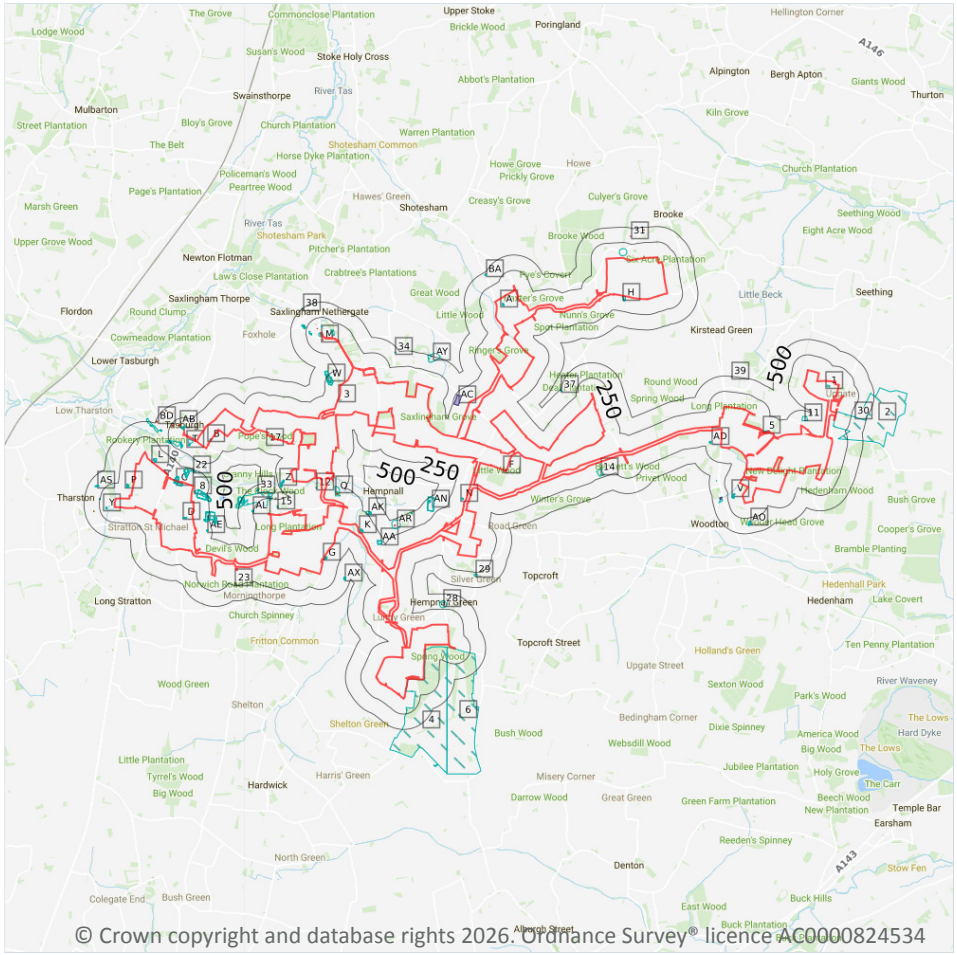
1.6 Historical military land

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



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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	255

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 22 >**

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Heap	1973	2361308
2	On site	Airfield	1973	2357800
3	On site	Unspecified Hole	1907	2361039

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Pit**	**1907**	**2379851**
A	**On site**	**Unspecified Pit**	**1957**	**2366249**
A	**On site**	**Unspecified Pit**	**1907**	**2379851**
A	**On site**	**Unspecified Pit**	**1946**	**2378484**
A	**On site**	**Unspecified Pit**	**1881**	**2374671**
B	**On site**	**Unspecified Pit**	**1946**	**2369222**
B	**On site**	**Unspecified Pit**	**1951**	**2369222**
B	**On site**	**Unspecified Pit**	**1883**	**2377329**
B	**On site**	**Unspecified Pit**	**1907**	**2378827**
B	**On site**	**Unspecified Pit**	**1907**	**2378827**
C	**On site**	**Refuse Heap**	**1979**	**2353714**
C	**On site**	**Unspecified Pit**	**1951**	**2377185**
C	**On site**	**Gravel Pit**	**1883**	**2359752**
C	**On site**	**Unspecified Pit**	**1946**	**2377185**
C	**On site**	**Unspecified Ground Workings**	**1907**	**2366166**
C	**On site**	**Unspecified Ground Workings**	**1907**	**2366166**
D	**On site**	**Unspecified Pit**	**1883**	**2379010**
D	**On site**	**Unspecified Pit**	**1907**	**2369344**
D	**On site**	**Unspecified Pit**	**1951**	**2374840**
D	**On site**	**Unspecified Pit**	**1907**	**2369344**
D	**On site**	**Unspecified Pit**	**1946**	**2382106**
E	**On site**	**Smithy**	**1881**	**2371664**
F	**On site**	**Unspecified Pit**	**1907**	**2382679**
F	**On site**	**Unspecified Pit**	**1907**	**2382679**
4	2m E	Disused Airfield	1979	2364106
5	4m N	Unspecified Pit	1973	2354974
G	4m E	Smithy	1951	2367146
E	4m W	Smithy	1907	2382267

ID	Location	Land Use	Date	Group ID
6	4m S	Disused Airfield	1979	2364106
E	5m W	Smithy	1946	2382267
G	5m E	Smithy	1946	2367146
G	5m E	Smithy	1883	2364448
E	5m W	Smithy	1951	2366702
G	8m E	Smithy	1906	2375123
H	8m S	Corn Mill	1884	2358193
I	10m NE	Unspecified Pit	1951	2382833
J	11m NE	Unspecified Pit	1951	2372408
J	12m NE	Unspecified Pit	1907	2376893
J	12m NE	Unspecified Pit	1907	2376893
I	13m NE	Unspecified Pit	1907	2372534
I	13m NE	Unspecified Pit	1907	2372534
J	13m NE	Unspecified Pit	1883	2382925
I	13m NE	Unspecified Pit	1946	2365427
I	14m NE	Unspecified Pit	1883	2373604
J	15m NE	Unspecified Pit	1946	2367418
7	15m SW	Unspecified Pit	1951	2354954
K	32m N	Unspecified Pit	1951	2376860
8	34m E	Unspecified Pit	1946	2376073
L	35m NE	Unspecified Pit	1951	2381394
9	36m N	Pumping Station	1978	2354419
K	36m NE	Unspecified Pit	1946	2376860
L	37m NE	Unspecified Pit	1946	2377678
L	37m NE	Unspecified Pit	1883	2372142
K	38m NE	Unspecified Pit	1906	2363514
K	38m NE	Unspecified Pit	1906	2363514
L	38m NE	Unspecified Pit	1907	2365214

ID	Location	Land Use	Date	Group ID
L	38m NE	Unspecified Pit	1907	2365214
N	44m NW	Unspecified Pit	1907	2370046
N	44m NW	Unspecified Pit	1907	2370046
10	44m N	Grave Yard	1881	2358915
N	46m NW	Unspecified Pit	1946	2382449
N	48m NW	Unspecified Pit	1951	2370815
H	52m S	Unspecified Tank	1884	2357207
N	54m NW	Unspecified Pit	1881	2370228
O	54m N	Smithy	1907	2376981
O	57m N	Smithy	1946	2379063
O	68m N	Smithy	1883	2356049
P	69m W	Unspecified Pit	1946	2381323
P	69m W	Unspecified Pit	1883	2381323
P	71m W	Unspecified Pit	1907	2381323
P	71m W	Unspecified Pit	1907	2381323
P	73m W	Unspecified Pit	1953	2368492
Q	77m N	Sewage Works	1979	2358387
11	80m N	Unspecified Works	1973	2362157
R	83m E	Unspecified Pit	1979	2365301
12	84m W	Unspecified Ground Workings	1881	2360464
S	86m N	Unspecified Pits	1946	2378076
S	86m N	Unspecified Pits	1883	2378378
R	88m E	Unspecified Pits	1907	2368526
R	88m E	Unspecified Pits	1907	2368526
S	88m N	Unspecified Pits	1951	2369411
R	88m E	Unspecified Ground Workings	1951	2360467
R	90m E	Unspecified Pits	1946	2372618
S	91m N	Unspecified Pit	1979	2369781

ID	Location	Land Use	Date	Group ID
T	91m SW	Unspecified Pit	1907	2374859
T	91m SW	Unspecified Pit	1907	2374859
T	92m SW	Unspecified Pit	1946	2363253
T	92m SW	Unspecified Pit	1883	2377632
T	95m SW	Unspecified Pit	1951	2379481
U	97m N	Boat House	1951	2377971
U	99m N	Boat House	1907	2366246
U	99m N	Boat House	1946	2366246
Q	106m N	Unspecified Tank	1979	2357054
14	108m S	Unspecified Beds	1979	2359586
15	109m N	Unspecified Ground Workings	1883	2360466
O	110m N	Smithy	1951	2356050
16	124m N	Sand and Gravel Pit	1979	2362771
V	126m W	Unspecified Pit	1884	2354939
W	127m NW	Brick Works	1907	2379792
W	127m NW	Brick Works	1907	2379792
Q	127m N	Unspecified Tanks	1979	2360197
X	134m S	Unspecified Pit	1946	2365504
X	134m S	Unspecified Pit	1907	2371449
X	134m S	Unspecified Pit	1907	2371449
Y	135m W	Unspecified Ground Workings	1953	2382086
18	135m SW	Gravel Pit	1883	2359848
Y	136m W	Unspecified Ground Workings	1946	2382086
Z	137m W	Unspecified Ground Workings	1883	2370469
Y	137m W	Unspecified Pit	1907	2376558
Y	137m W	Unspecified Pit	1907	2376558
X	139m S	Unspecified Pit	1951	2372423
Z	142m W	Unspecified Ground Workings	1946	2365562

ID	Location	Land Use	Date	Group ID
V	142m W	Unspecified Pit	1907	2368495
V	142m W	Unspecified Pit	1907	2368495
Z	143m W	Unspecified Ground Workings	1951	2370726
Z	143m W	Unspecified Ground Workings	1907	2370733
Z	143m W	Unspecified Ground Workings	1907	2370733
V	144m W	Unspecified Pit	1951	2366295
AA	145m E	Disused Windmill	1946	2373749
AA	145m E	Corn Windmill	1883	2359222
R	149m E	Clay Pit	1883	2358837
W	151m NW	Brick Works	1946	2375751
W	154m NW	Unspecified Pit	1907	2370843
W	154m NW	Unspecified Pit	1907	2370843
W	155m W	Unspecified Pit	1946	2378905
W	155m NW	Unspecified Pit	1951	2380344
20	157m W	Corn Windmill	1881	2359387
AA	157m E	Disused Windmill	1906	2372592
S	164m N	Unspecified Pit	1907	2366913
S	164m N	Unspecified Pit	1907	2366913
AD	165m W	Unspecified Pit	1946	2366652
AD	169m W	Unspecified Pit	1907	2366652
AD	169m W	Unspecified Pit	1907	2366652
AE	169m E	Unspecified Pit	1907	2372150
AE	169m E	Unspecified Pit	1907	2372150
AD	170m W	Unspecified Pit	1957	2366652
AE	172m E	Unspecified Pit	1946	2372150
AE	172m E	Unspecified Pit	1883	2372150
AF	172m E	Unspecified Pit	1907	2378267
AF	172m E	Unspecified Pit	1907	2378267

ID	Location	Land Use	Date	Group ID
AF	172m E	Unspecified Pit	1951	2369614
AF	173m E	Unspecified Pit	1946	2369614
W	174m NW	Unspecified Pit	1946	2373842
W	174m NW	Unspecified Pit	1951	2366526
W	176m NW	Unspecified Pit	1907	2383277
W	176m NW	Unspecified Pit	1907	2383277
AG	196m NE	Brick Works	1946	2381829
AG	196m NE	Brick Field	1883	2356343
AG	199m E	Brick Works	1907	2374498
AG	199m E	Brick Works	1907	2374498
22	200m N	Unspecified Ground Workings	1951	2360463
24	220m N	Unspecified Pits	1883	2354267
AI	222m E	Unspecified Pits	1951	2378221
AI	223m E	Unspecified Pits	1907	2379414
AI	223m E	Unspecified Pits	1907	2379414
AI	223m E	Unspecified Pits	1946	2379414
AI	223m E	Unspecified Pits	1883	2379414
AG	226m E	Unspecified Kiln	1883	2357478
AG	230m E	Unspecified Kiln	1883	2357477
AJ	232m SW	Unspecified Pit	1946	2363576
AG	232m E	Unspecified Heap	1883	2361203
AJ	234m SW	Unspecified Pit	1907	2376296
AJ	234m SW	Unspecified Pit	1907	2376296
AK	237m NE	Disused Windmill	1979	2357950
AJ	237m SW	Unspecified Pit	1951	2375312
25	241m W	Unspecified Ground Workings	1883	2360465
AL	248m W	Unspecified Pit	1907	2364481
AL	248m W	Unspecified Pit	1907	2364481

ID	Location	Land Use	Date	Group ID
AL	248m W	Unspecified Pit	1951	2375003
W	249m NW	Unspecified Pits	1946	2354294
W	250m NW	Unspecified Pit	1907	2376627
W	250m NW	Unspecified Pit	1907	2376627
W	250m NW	Unspecified Pit	1951	2375061
AL	250m W	Unspecified Pit	1946	2364481
AL	250m W	Unspecified Pit	1883	2364481
W	261m NW	Unspecified Tank	1907	2357208
AG	264m E	Unspecified Disused Works	1951	2360903
W	267m NW	Unspecified Pit	1951	2368995
W	268m NW	Unspecified Pit	1907	2371922
W	268m NW	Unspecified Pit	1907	2371922
AK	271m NE	Windmill	1946	2368235
AK	271m NE	Windmill	1951	2368505
AM	272m W	Unspecified Pit	1907	2381220
AM	272m W	Unspecified Pit	1907	2381220
AK	272m NE	Windmill	1907	2370904
AM	273m W	Unspecified Pits	1946	2354340
28	273m N	Smithy	1883	2355966
AK	276m NE	Corn Windmill	1881	2359224
29	278m S	Sawmill	1979	2358888
AM	278m W	Unspecified Pit	1951	2377845
AM	283m W	Unspecified Ground Workings	1881	2360734
AN	285m NW	Burial Ground	1907	2363611
AN	292m NW	Burial Ground	1946	2374048
AN	292m NW	Burial Ground	1881	2370072
30	300m E	Unspecified Tank	1946	2357225
AO	307m S	Unspecified Pit	1951	2370200

ID	Location	Land Use	Date	Group ID
AO	312m S	Unspecified Pit	1928	2367693
AO	312m S	Unspecified Pit	1928	2367693
AO	314m S	Unspecified Pit	1946	2371584
AO	314m S	Unspecified Pit	1903	2371578
AP	314m E	Unspecified Pit	1951	2369878
AP	315m E	Unspecified Pit	1907	2364037
AP	315m E	Unspecified Pit	1907	2364037
AP	318m E	Unspecified Pit	1946	2369031
AQ	338m W	Smithy	1907	2356045
AR	341m NW	Electric Substation	1979	2355565
AO	342m S	Unspecified Pit	1884	2380700
AS	343m NW	Unspecified Pit	1946	2366170
AS	343m NW	Unspecified Pit	1883	2375879
AQ	345m W	Smithy	1946	2374693
AQ	345m W	Smithy	1884	2363702
AS	347m NW	Unspecified Pit	1953	2371297
AQ	352m W	Smithy	1951	2374693
AU	357m W	Unspecified Pit	1946	2374938
AU	358m W	Unspecified Pit	1907	2368202
AU	358m W	Unspecified Pit	1907	2368202
AU	359m W	Unspecified Pit	1951	2363388
32	380m W	Unspecified Tank	1884	2357196
AW	383m NE	Unspecified Ground Workings	1883	2360564
AX	388m E	Unspecified Pit	1951	2379945
AX	390m E	Unspecified Pit	1946	2372146
AY	392m N	Brick Field	1881	2356361
AX	396m E	Unspecified Pit	1906	2365341
AX	396m E	Unspecified Pit	1906	2365341

ID	Location	Land Use	Date	Group ID
33	407m NW	Unspecified Pit	1883	2354712
34	426m NE	Pumping Station	1977	2354434
AW	431m N	Unspecified Pit	1951	2369167
AN	433m NW	Unspecified Pit	1946	2370269
AW	433m N	Unspecified Pit	1907	2369538
AW	433m N	Unspecified Pit	1907	2369538
AZ	434m W	Unspecified Pits	1951	2354266
AN	434m NW	Unspecified Pit	1951	2383236
AN	434m NW	Unspecified Pit	1979	2383236
AW	434m N	Unspecified Pit	1946	2375451
35	440m N	Unspecified Heap	1881	2361306
BA	444m NW	Unspecified Pit	1946	2370715
BA	445m NW	Unspecified Pit	1957	2377368
BA	446m NW	Unspecified Pit	1881	2376779
AN	448m NW	Gravel Pit	1881	2359751
AZ	452m W	Gravel Pit	1946	2364468
37	465m NW	Unspecified Pit	1957	2354973
BC	471m NW	Unspecified Pit	1907	2380455
BC	471m NW	Unspecified Pit	1907	2380455
BC	474m NW	Unspecified Pit	1946	2364661
AZ	483m NW	Gravel Pit	1951	2381548
AZ	486m NW	Gravel Pit	1907	2380260
38	486m NW	Pumping Station	1977	2354450
AY	488m N	Old Brick Kiln	1907	2381033
AY	489m N	Old Brick Kiln	1946	2381033
39	494m N	Unspecified Tank	1884	2357206
AY	495m N	Unspecified Kiln	1881	2357522
AZ	498m NW	Gravel Pit	1883	2380260

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m	19

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 22 >**

ID	Location	Land Use	Date	Group ID
Q	107m N	Unspecified Tank	1995	436940
Q	107m N	Tanks	1976	441053
Q	108m N	Tanks	1959	440074
Q	108m N	Tanks	1985	441029
Q	109m N	Tanks	1959	441849
Q	109m N	Tanks	1985	439340
17	128m S	Unspecified Tank	1884	436930
19	137m N	Unspecified Tank	1905	437421
21	159m NW	Unspecified Tank	1975	436938
23	215m S	Tanks	1976	438127
AG	236m E	Unspecified Tank	1884	436929
26	249m SE	Tanks	1999	438125
27	263m N	Unspecified Tank	1995	436941
AT	350m W	Tanks	1976	441971
AT	350m W	Tanks	1995	441971
BB	467m NW	Unspecified Tank	1995	441113
BB	467m NW	Unspecified Tank	1984	441113
BB	467m NW	Unspecified Tank	1984	441113
BB	467m NW	Unspecified Tank	1959	438720

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m	26

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 22 >**

ID	Location	Land Use	Date	Group ID
M	40m SW	Electricity Substation	1975	330926
M	41m SW	Electricity Substation	1991	330926
13	92m NW	Electricity Substation	1991	327839
AB	145m NW	Electricity Substation	1959	327997
AB	145m NW	Electricity Substation	1984	328562
AB	145m NW	Electricity Substation	1959	327997
AB	146m NW	Electricity Substation	1974	331140
AB	147m NW	Electricity Substation	1995	328562
AH	216m NW	Electricity Substation	1959	330780
AH	216m NW	Electricity Substation	1984	330780
AH	216m NW	Electricity Substation	1984	330780
AH	216m NW	Electricity Substation	1959	330780
AH	218m NW	Electricity Substation	1974	330780
AH	219m NW	Electricity Substation	1995	328355
AK	240m NE	Electricity Substation	1995	327840
31	368m N	Electricity Substation	1974	327836
AV	370m NW	Electricity Substation	1959	331661
AV	370m NW	Electricity Substation	1959	331661
AR	396m N	Electricity Substation	1976	328095
AR	397m N	Electricity Substation	1995	328095
36	449m N	Electricity Substation	1974	327837
BD	475m NW	Electricity Substation	1959	331081
BD	475m NW	Electricity Substation	1984	329495

ID	Location	Land Use	Date	Group ID
BD	475m NW	Electricity Substation	1959	331081
BD	477m NW	Electricity Substation	1974	329708
BD	478m NW	Electricity Substation	1995	331681

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	3

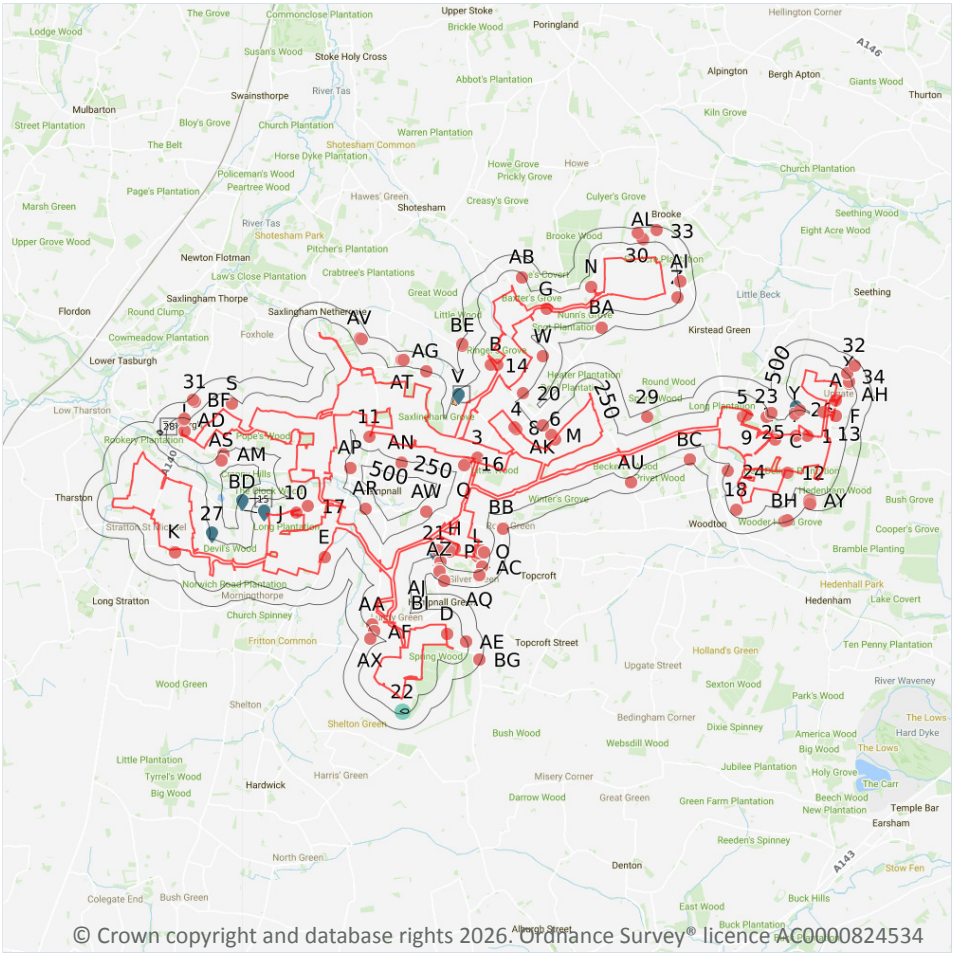
Garages digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 22 >**

ID	Location	Land Use	Date	Group ID
AC	148m W	Car Breaker's Yard	1995	97494
AC	148m W	Car Breaker's Yard	1995	97494
AQ	341m W	Garage	1977	97313

This data is sourced from Ordnance Survey® / Groundsure.

3 Waste and landfill



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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
22	225m S	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	**3**

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		
15	55m NW	Site Address: Off B1135, Morningthorpe Licence Holder Address: County Hall, Martineau Lane, Norwich, Norfolk	Waste Licence: Yes Site Reference: WD 486 Waste Type: Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 07/02/1982 Licence Surrender: 02/12/1990	Operator: Norfolk County Council Licence Holder: Norfolk County Council First Recorded 08/02/1982 Last Recorded: 31/12/1992
19	173m S	Site Address: Off West side of Shelton Airfield Disused, Hempnall, Norfolk Licence Holder Address: -	Waste Licence: Yes Site Reference: WD 573 Waste Type: Inert, Commercial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 02/01/1974 Licence Surrender: 24/01/1975	Operator: [redacted] - Depwade Rural District Council Licence Holder: - First Recorded 19/04/1968 Last Recorded: 23/01/1975

ID	Location	Details		
28	307m W	Site Address: Thorn Wood, Valley Road, Tasburgh Licence Holder Address: -	Waste Licence: Yes Site Reference: WD 567 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 11/11/1979 Licence Surrender: 31/12/1986	Operator: [redacted] Licence Holder: [redacted] First Recorded 12/11/1979 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	**5**

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
J	45m NW	Site Address: Morningthorpe Recycling Centre, Bungay Road, Morningthorpe, NORWICH, Norfolk, NR15 2LJ	Type of Site: Recycling Centre Planning application reference: 2009/0849 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. Data source: Historic Planning Application Data Type: Point	06/12/2009
R	148m W	Site Address: N/A	Type of Site: Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1974
R	148m W	Site Address: N/A	Type of Site: Car Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
R	148m W	Site Address: N/A	Type of Site: Car Breaker's Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995

ID	Location	Address	Further Details	Date
34	498m E	Site Address: Agritek Sales & Service Ltd, Upgate Road, Seething, NORWICH, Norfolk, NR15 1EL	Type of Site: Recycling Facilities (Conversion) Planning application reference: 2007/0099 Description: Scheme comprises small scale conversion of waste oil to bio-diesel, small scale consolidation of waste farm plastic for processing elsewhere. An application (ref: 2007/0099) for detailed planning permission was granted by South Norfolk D.C. Planning desion obtained Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m **17**

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		
J	48m W	Site Name: Morningthorpe Ca Site Site Address: Off B1135, Morningthorpe, Norfolk Correspondence Address: Ground Floor West, 900, Pavilion Drive, Northampton Business Park, Northampton, Northants, NN4 7RG	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR002 EPR reference: - Operator: Anti-waste Ltd Waste Management licence No: 70518 Annual Tonnage: 4999	Issue Date: 27/01/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
J	48m W	Site Name: Morningthorpe Ca Site Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST Correspondence Address: Ground Floor West, 900, Pavilion Drive, Northampton Business Park, Northampton, Northants, NN4 7RG	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR002 EPR reference: - Operator: Anti-waste Ltd Waste Management licence No: 70518 Annual Tonnage: 4999	Issue Date: 27/01/1993 Effective Date: - Modified: 05/01/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
J	48m W	Site Name: Morningthorpe Recycling Centre Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NOR456 EPR reference: EA/EPR/BB3208MH/T001 Operator: Norfolk Environmental Waste Services Limited Waste Management licence No: 70518 Annual Tonnage: 4999	Issue Date: 27/01/1993 Effective Date: 01/04/2014 Modified: 18/10/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
J	48m W	Site Name: Morningthorpe Ca Site Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAY056 EPR reference: EA/EPR/BP3990VX/T001 Operator: May Gurney Ltd Waste Management licence No: 70518 Annual Tonnage: 4999	Issue Date: 27/01/1993 Effective Date: 05/06/2009 Modified: 05/01/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
J	48m W	Site Name: Morningthorpe Ca Site Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST Correspondence Address: Laurel House, Kitling Road, Knowsley Business Park, Prescot, Merseyside, L34 9JA	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EWC012 EPR reference: - Operator: Environmental Waste Controls Ltd Waste Management licence No: 70518 Annual Tonnage: 4999	Issue Date: 27/01/1993 Effective Date: 01/04/2007 Modified: 05/01/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
J	48m W	Site Name: Morningthorpe Civic Amenity Site Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAY056 EPR reference: EA/EPR/BP3990VX/V002 Operator: Kier M G Limited Waste Management licence No: 70518 Annual Tonnage: 4999	Issue Date: 27/01/1993 Effective Date: 05/06/2009 Modified: 18/10/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
J	48m W	Site Name: Morningthorpe Ca Site Site Address: Morningthorpe Ca Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAY056 EPR reference: BP3990VX/T001 Operator: May Gurney Ltd Waste Management licence No: 70518 Annual Tonnage: 4999	Issue Date: 27/01/1993 Effective Date: 05/06/2009 Modified: 05/01/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
J	48m W	Site Name: Morningthorpe H W R C Site Address: Morningthorpe C A Site, Mill Lane, Morningthorpe, Norfolk, NR15 2ST Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 654578 EPR reference: EA/EPR/CB3800KU Operator: Norse Environmental Waste Services Limited Waste Management licence No: 70518 Annual Tonnage: 4999	Issue Date: 27/01/1993 Effective Date: 27/01/1993 Modified: 27/01/1993 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
V	175m NW	Site Name: Saxlingham Green Site Address: Little Fylands Farm, The Green, Saxlingham Green, Norfolk Correspondence Address: 10, Bowers Close, Norwich, Norfolk, NR3 2PZ	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MET001 EPR reference: - Operator: Metcalf Glen Waste Management licence No: 71446 Annual Tonnage: 0	Issue Date: 07/02/1995 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
V	175m NW	Site Name: G And M Metals Site Address: Little Fylands Farm, The Green, Saxlingham Green, Norfolk, NR15 1TH Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 660933 EPR reference: EA/EPR/HP3794NK Operator: [redacted] Waste Management licence No: 71415 Annual Tonnage: 0	Issue Date: 09/08/2005 Effective Date: 09/08/2005 Modified: - Surrendered Date: 09/08/2005 Expiry Date: - Cancelled Date: - Status: Surrendered

ID	Location	Details		
Y	199m N	Site Name: Seething Site Address: Crofton Works, Harveys Lane, Seething Airfield, Norwich, Norfolk, NR15 1EN Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: YAR001 EPR reference: EA/EPR/AP3499NU/A001 Operator: [redacted] Waste Management licence No: 70496 Annual Tonnage: 4999	Issue Date: 23/02/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
21	216m S	Site Name: Villa Farm Site Address: Villa Farm, Alburgh Road, Hempnall, Norwich, Norfolk, NR15 2NP Correspondence Address: -	Type of Site: Metal recycling, vehicle storage & depollution Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 799836 EPR reference: EA/EPR/XP3494NA Operator: [redacted] Waste Management licence No: 71361 Annual Tonnage: 2499	Issue Date: 14/10/2004 Effective Date: 13/02/2025 Modified: 13/02/2025 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
26	272m N	Site Name: [redacted] (salvage) Site Address: Crofton Works, Harveys Lane, Seething Airfield, Norwich, Norfolk, NR15 1EN Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 650441 EPR reference: EA/EPR/AP3499NU Operator: [redacted] Waste Management licence No: 70496 Annual Tonnage: 4999	Issue Date: 23/02/1994 Effective Date: 23/02/1994 Modified: 23/02/1994 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
27	279m E	Site Name: Morningthorpe C A Site Site Address: Off B1135, Morningthorpe, Norfolk Correspondence Address: Sidings Court, 3, White Rose Way, Doncaster, DN4 5NU	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ANT006 EPR reference: - Operator: Anti Waste Ltd Waste Management licence No: 70518 Annual Tonnage: 0	Issue Date: 22/01/1993 Effective Date: 28/03/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

ID	Location	Details		
BD	445m NW	Site Name: Morningthorpe Quarry Site Address: Land To The South Of Longacre Plantation, Morningthorpe, Nr Long Stratton, Norwich, Norfolk, NR15 2LJ Correspondence Address: -	Type of Site: Use of waste for reclamation etc 100,000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR182 EPR reference: EA/EPR/NB3736AR/A001 Operator: Paul Richardson Recycling Ltd Waste Management licence No: 400107 Annual Tonnage: 175000	Issue Date: 15/04/2013 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Issued
BD	445m NW	Site Name: Morningthorpe Quarry Site Address: Land To The South Of Longacre Plantation, Morningthorpe, Long Stratton, Norwich, Norfolk, NR15 2LJ Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR182 EPR reference: EA/EPR/NB3736AR/V002 Operator: Paul Richardson Recycling Limited Waste Management licence No: 400107 Annual Tonnage: 173000	Issue Date: 15/04/2013 Effective Date: - Modified: 24/04/2017 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
BD	445m NW	Site Name: Morningthorpe Quarry Site Address: Land To The South Of Longacre Plantation, Morningthorpe, Long Stratton, Norwich, Norfolk, NR15 2LJ Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649933 EPR reference: EA/EPR/NB3736AR Operator: Paul Richardson Recycling Limited Waste Management licence No: 400107 Annual Tonnage: 173000	Issue Date: 15/04/2013 Effective Date: 15/04/2013 Modified: 15/04/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	**712**

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
1	On site	-	WEX397630	Storing waste exemption	On a farm	Storage of sludge
2	On site	Stockpile	WEX266451	Storing waste exemption	On a farm	Storage of sludge
3	On site	Land At Tm2552095140	EPR/XE5683RL/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
4	On site	Land At Tm2616095600	EPR/XE5783RU/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
5	On site	Stockpile	WEX262187	Storing waste exemption	On a farm	Storage of sludge
6	On site	Land At Tm26799544	EPR/JE5453YZ/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
7	On site	-	WEX227263	Storing waste exemption	On a farm	Storage of sludge
8	On site	Land At Tm2612095640	EPR/TE5442LG/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
A	On site	-	WEX227259	Storing waste exemption	On a farm	Storage of sludge
A	On site	-	WEX397628	Storing waste exemption	On a farm	Storage of sludge
B	On site	Land At Tm25829666	EPR/TE5086WJ/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
B	On site	-	WEX325912	Storing waste exemption	On a farm	Storage of sludge
B	On site	-	WEX005674	Storing waste exemption	On a farm	Storage of sludge
C	On site	-	WEX313240	Storing waste exemption	On a farm	Storage of sludge
C	On site	-	WEX227261	Storing waste exemption	On a farm	Storage of sludge

ID	Location	Site	Reference	Category	Sub-Category	Description
D	3m E	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
D	3m E	Spring Farm Spring Lane Norwich Nr15 2ny	EPR/KF0931BV/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Cleaning, washing, spraying or coating relevant waste
D	3m E	Spring Farm Spring Lane Norwich Nr15 2ny	EPR/KF0931BV/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment
D	3m E	Spring Farm Spring Lane Norwich Nr15 2ny	EPR/KF0931BV/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
D	3m E	Spring Farm Spring Lane Norwich Nr15 2ny	EPR/KF0931BV/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
D	3m E	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
9	15m SE	-	WEX367523	Storing waste exemption	On a farm	Storage of sludge
10	19m N	The Grove Hempnall Road Norwich Norfolk Nr15 2ln	EPR/WF0536ET/A001	Using waste exemption	Non-agricultural waste only	Use of depolluted end-of-life vehicles for vehicle parts
E	26m E	Beech Farm Norwich Nr15 2qu	EPR/UH0773GE/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
E	26m E	Beech Farm Norwich Nr15 2qu	EPR/UH0773GE/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
F	31m E	Upgate Farm Upgate Road Norwich Nr15 1el	EPR/WE5288PS/A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
F	31m E	Upgate Farm Upgate Road Norwich Nr15 1el	EPR/WE5288PS/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
F	31m E	Upgate Farm Upgate Road Norwich Nr15 1el	EPR/WE5288PS/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
F	31m E	Upgate Farm Upgate Road Norwich Nr15 1el	EPR/WE5288PS/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
F	33m E	Upgate Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX314700	Storing waste exemption	On a farm	Storage of waste in a secure place
F	33m E	Upgate Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX184904	Storing waste exemption	On a farm	Storage of waste in a secure place
F	33m E	Upgate Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX184904	Disposing of waste exemption	On a farm	Burning waste in the open
F	33m E	Upgate Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX026715	Disposing of waste exemption	On a farm	Burning waste in the open
F	33m E	Upgate Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX026715	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
F	33m E	Upgate Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX026715	Storing waste exemption	On a farm	Storage of waste in a secure place
F	33m E	Upgate Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX026715	Using waste exemption	On a farm	Use of waste for a specified purpose
F	33m E	Upgate Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX314700	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
11	33m SW	Land At Tm2376095480	EPR/TE5542LT /A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
G	35m S	Land @ Tm26649756	EPR/FE5353ZK /A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
G	35m S	Land At Tm2664097560	EPR/FE5453NJ /A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
12	37m E	Stockpile	WEX266427	Storing waste exemption	On a farm	Storage of sludge
13	38m W	Enterprise House Harveys Lane Norwich Nr15 1en	EPR/CF0603NE /A001	Using waste exemption	Non-agricultural waste only	Use of waste to manufacture finished goods
H	43m W	Firs Farm Silver Green Norwich Nr15 2nw	EPR/SE5184M T/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
H	43m W	Firs Farm Silver Green Norwich Nr15 2nw	EPR/SE5184M T/A001	Disposing of waste exemption	Agricultural waste only	Disposal by incineration
H	43m W	Firs Farm Silver Green Norwich Nr15 2nw	EPR/SE5184M T/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
H	43m W	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
H	43m W	Firs Farm Silver Green Norwich Nr15 2nw	EPR/SE5184M T/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX213809	Using waste exemption	On a farm	Incorporation of ash into soil
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX213809	Using waste exemption	On a farm	Use of waste for a specified purpose
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX337297	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX337297	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX337297	Using waste exemption	On a farm	Use of waste in construction
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX337297	Using waste exemption	On a farm	Use of waste for a specified purpose
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX337297	Using waste exemption	On a farm	Incorporation of ash into soil
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX337297	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX054280	Using waste exemption	On a farm	Incorporation of ash into soil
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX054280	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX054280	Disposing of waste exemption	On a farm	Burning waste in the open
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX213809	Disposing of waste exemption	On a farm	Burning waste in the open
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX213809	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX213809	Using waste exemption	On a farm	Use of waste in construction
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX054280	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX054280	Using waste exemption	On a farm	Use of waste in construction
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX054280	Using waste exemption	On a farm	Use of waste for a specified purpose

ID	Location	Site	Reference	Category	Sub-Category	Description
I	44m NE	Hill Farm, Ipswich Road, Tasburgh, Norwich, Nr15 1nl	WEX213809	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
I	44m NE	Hill Farm Ipswich Road Norwich Nr15 1nl	EPR/FH0975YS/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
I	44m NE	Hill Farm Ipswich Road Norwich Nr15 1nl	EPR/FH0975YS/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
I	44m NE	Hill Farm Ipswich Road Norwich Nr15 1nl	EPR/FH0975YS/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
I	44m NE	Hill Farm Ipswich Road Norwich Nr15 1nl	EPR/FH0975YS/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
I	44m NE	Hill Farm Ipswich Road Norwich Nr15 1nl	EPR/FH0975YS/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
I	44m NE	Hill Farm Ipswich Road Norwich Nr15 1nl	EPR/FH0975YS/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
H	46m W	Firs Farm, Silver Green, Hempnall, Norwich, Nr15 2nw	WEX190105	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
H	46m W	Firs Farm, Silver Green, Hempnall, Norwich, Nr15 2nw	WEX190105	Disposing of waste exemption	On a farm	Burning waste in the open
H	46m W	Firs Farm, Silver Green, Hempnall, Norwich, Nr15 2nw	WEX032443	Disposing of waste exemption	On a farm	Burning waste in the open
H	46m W	Firs Farm, Silver Green, Hempnall, Norwich, Nr15 2nw	WEX318133	Disposing of waste exemption	On a farm	Burning waste in the open
H	46m W	Firs Farm, Silver Green, Hempnall, Norwich, Nr15 2nw	WEX318133	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX257102	Using waste exemption	On a farm	Use of waste for a specified purpose
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX257102	Using waste exemption	On a farm	Spreading of plant matter to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX257102	Using waste exemption	On a farm	Incorporation of ash into soil
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX257102	Using waste exemption	On a farm	Use of waste in construction
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX257102	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
K	46m S	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
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX257102	Storing waste exemption	On a farm	Storage of waste in secure containers
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX257102	Storing waste exemption	On a farm	Storage of waste in a secure place
K	46m S	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
K	46m S	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
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX257102	Disposing of waste exemption	On a farm	Burning waste in the open
K	46m S	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
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX113957	Storing waste exemption	On a farm	Storage of waste in secure containers
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX113957	Storing waste exemption	On a farm	Storage of waste in a secure place
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX113957	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste

ID	Location	Site	Reference	Category	Sub-Category	Description
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX113957	Using waste exemption	On a farm	Use of waste in construction
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX113957	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX113957	Using waste exemption	On a farm	Incorporation of ash into soil
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX113957	Using waste exemption	On a farm	Use of waste for a specified purpose
K	46m S	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
K	46m S	Church Farm, Church Lane, Stratton St. Michael, Norwich, Nr15 2qb	WEX113957	Disposing of waste exemption	On a farm	Burning waste in the open
K	46m S	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
L	50m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX340658	Disposing of waste exemption	On a farm	Burning waste in the open
L	50m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX340658	Storing waste exemption	On a farm	Storage of waste in a secure place
L	50m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX340658	Storing waste exemption	On a farm	Storage of waste in secure containers
L	50m E	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 E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX340658	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
L	50m E	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 E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX340658	Using waste exemption	On a farm	Use of waste in construction
14	54m SW	-	WEX005671	Storing waste exemption	On a farm	Storage of sludge
L	54m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX209857	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
L	54m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX209857	Storing waste exemption	On a farm	Storage of waste in a secure place
L	54m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX209857	Using waste exemption	On a farm	Use of waste for a specified purpose
L	54m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX209857	Using waste exemption	On a farm	Use of waste in construction
L	54m E	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	54m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX209857	Storing waste exemption	On a farm	Storage of waste in secure containers
L	54m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX209857	Disposing of waste exemption	On a farm	Burning waste in the open
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/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
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
K	57m S	Church Farm Church Lane Norwich Nr15 2qb	EPR/TF0734QA/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
M	74m NW	Land @ Tm26739551	EPR/FE5553ZC/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
M	74m NW	Land At Tm2673095510	EPR/FE5153NV/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
N	77m NW	Oldhouse Farm, Woodton Road, Brooke, Norwich, Nr15 1ey	WEX179658	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
N	77m NW	Oldhouse Farm, Woodton Road, Brooke, Norwich, Nr15 1ey	WEX014835	Disposing of waste exemption	On a farm	Burning waste in the open
N	77m NW	Oldhouse Farm, Woodton Road, Brooke, Norwich, Nr15 1ey	WEX014835	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
N	77m NW	Oldhouse Farm, Woodton Road, Brooke, Norwich, Nr15 1ey	WEX014835	Using waste exemption	On a farm	Use of waste in construction
N	77m NW	Oldhouse Farm, Woodton Road, Brooke, Norwich, Nr15 1ey	WEX179658	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
N	77m NW	Oldhouse Farm, Woodton Road, Brooke, Norwich, Nr15 1ey	WEX179658	Disposing of waste exemption	On a farm	Burning waste in the open
16	81m W	Land At Grid Reference: Tm25349505	EPR/BE5386DE/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
O	102m E	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
O	102m E	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
O	102m E	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
O	102m E	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
O	102m E	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
O	102m E	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
O	102m E	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
P	115m W	Firs Farm, Silver Green, Hempnall, Norwich, Nr15 2nw	WEX449299	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
P	115m W	Firs Farm, Silver Green, Hempnall, Norwich, Nr15 2nw	WEX449299	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
Q	130m SW	Land At Tm2530095020	EPR/XE5283RR/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
Q	130m SW	Land At Grid Reference: Tm25309502	EPR/CE5687DP/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
17	145m NE	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
S	149m NE	-	WEX202659	Storing waste exemption	On a farm	Storage of waste in a secure place
S	149m NE	-	WEX329503	Storing waste exemption	On a farm	Storage of waste in secure containers
S	149m NE	-	WEX329503	Storing waste exemption	On a farm	Storage of waste in a secure place
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Use of waste in the construction of entertainment or educational installations etc
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Use of waste in construction
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Use of waste for a specified purpose
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Incorporation of ash into soil
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Pig and poultry ash
S	149m NE	-	WEX329503	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste

ID	Location	Site	Reference	Category	Sub-Category	Description
S	149m NE	-	WEX329503	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
S	149m NE	-	WEX329503	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
S	149m NE	-	WEX329503	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
S	149m NE	-	WEX329503	Treating waste exemption	On a farm	Sorting mixed waste
S	149m NE	-	WEX329503	Treating waste exemption	On a farm	Manual treatment of waste
S	149m NE	-	WEX329503	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Use of waste to manufacture finished goods
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Use of mulch
S	149m NE	-	WEX329503	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
S	149m NE	-	WEX329503	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
S	149m NE	-	WEX329503	Disposing of waste exemption	On a farm	Disposal by incineration
S	149m NE	-	WEX329503	Disposing of waste exemption	On a farm	Burning waste in the open
S	149m NE	-	WEX202659	Disposing of waste exemption	On a farm	Disposal by incineration
S	149m NE	-	WEX202659	Using waste exemption	On a farm	Use of waste in construction
S	149m NE	-	WEX202659	Disposing of waste exemption	On a farm	Burning waste in the open

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

ID	Location	Site	Reference	Category	Sub-Category	Description
T	154m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX063126	Storing waste exemption	On a farm	Storage of waste in a secure place
T	154m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX063126	Using waste exemption	On a farm	Use of waste in construction
T	154m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX063126	Disposing of waste exemption	On a farm	Burning waste in the open
T	154m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX063126	Using waste exemption	On a farm	Use of waste for a specified purpose
T	154m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX063126	Storing waste exemption	On a farm	Storage of waste in secure containers
T	154m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX063126	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
T	154m E	The Poultry Farm, Silver Green, Hempnall, Nr15 2nh	WEX063126	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
18	168m SW	-	WEX259537	Storing waste exemption	On a farm	Storage of sludge
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX325805	Disposing of waste exemption	On a farm	Burning waste in the open
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX325805	Using waste exemption	On a farm	Use of waste in construction
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX325805	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX325805	Storing waste exemption	On a farm	Storage of waste in a secure place
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX199583	Storing waste exemption	On a farm	Storage of waste in a secure place
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX043488	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX043488	Storing waste exemption	On a farm	Storage of waste in a secure place
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX043488	Using waste exemption	On a farm	Use of waste in construction
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX199583	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX199583	Using waste exemption	On a farm	Use of waste in construction
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX043488	Disposing of waste exemption	On a farm	Burning waste in the open
U	171m S	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX199583	Disposing of waste exemption	On a farm	Burning waste in the open
W	180m E	Land @ Tm26599679	EPR/HE5153ZX/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
W	180m E	Land At Tm2659096790	EPR/FE5553NP/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
X	185m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX033545	Storing waste exemption	On a farm	Storage of waste in a secure place
X	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
X	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
X	185m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX033545	Using waste exemption	On a farm	Use of waste in construction
X	185m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX033545	Using waste exemption	On a farm	Use of waste for a specified purpose

ID	Location	Site	Reference	Category	Sub-Category	Description
X	185m E	Home Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX070274	Using waste exemption	On a farm	Use of waste in construction
X	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
X	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
X	185m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX033545	Disposing of waste exemption	On a farm	Burning waste in the open
X	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
U	187m S	Villa Farm Alburgh Road Norwich Norfolk Nr15 2np	EPR/ME5881GU/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
U	187m S	Villa Farm Alburgh Road Norwich Norfolk Nr15 2np	EPR/ME5881GU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
U	187m S	Villa Farm Alburgh Road Norwich Norfolk Nr15 2np	EPR/ME5881GU/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
X	193m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX451364	Storing waste exemption	On a farm	Storage of waste in a secure place
X	193m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX451364	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
X	193m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX451364	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
X	193m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX451364	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
X	193m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX451364	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
X	193m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX451364	Using waste exemption	On a farm	Use of waste for a specified purpose
X	193m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX451364	Disposing of waste exemption	On a farm	Burning waste in the open
X	193m E	Manor Farm, Upgate Road, Seething, Norwich, Nr15 1el	WEX451364	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
Y	196m N	Harveys Lane, Seething, Norwich, Nr15 1en	WEX008402	Using waste exemption	Not on a farm	Use of waste in construction
Z	201m E	Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et	WEX449091	Disposing of waste exemption	On a farm	Burning waste in the open
Z	201m E	Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et	WEX449091	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
20	205m SE	Land At Tm2626096200	EPR/TE5242LL /A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX018365	Using waste exemption	On a farm	Use of waste in construction
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX018365	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX175562	Using waste exemption	On a farm	Use of waste in construction
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX175562	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX306707	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX306707	Using waste exemption	On a farm	Use of waste in construction
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX297476	Using waste exemption	On a farm	Use of waste in construction
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX297474	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AA	205m W	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX297476	Disposing of waste exemption	On a farm	Burning waste in the open
AA	205m W	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
AB	209m NE	Hengate Farm Brooke Road Norwich Nr15 1xn	EPR/PH0172PU/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AB	209m NE	Hengate Farm Brooke Road Norwich Nr15 1xn	EPR/PH0172PU/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
AB	209m NE	Hengate Farm Brooke Road Norwich Nr15 1xn	EPR/PH0172PU/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from a portable sanitary convenience
AB	209m NE	Hengate Farm Brooke Road Norwich Nr15 1xn	EPR/PH0172PU/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
AC	209m SE	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
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Storing waste exemption	On a farm	Storage of waste in a secure place
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Using waste exemption	On a farm	Use of waste for a specified purpose
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Using waste exemption	On a farm	Incorporation of ash into soil
AC	209m SE	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
AC	209m SE	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
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Disposing of waste exemption	On a farm	Burning waste in the open
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Treating waste exemption	On a farm	Screening and blending of waste
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AC	209m SE	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
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Storing waste exemption	On a farm	Storage of sludge
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
AC	209m SE	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
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Using waste exemption	On a farm	Use of waste in construction
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Using waste exemption	On a farm	Spreading of plant matter to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Using waste exemption	On a farm	Incorporation of ash into soil
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX009847	Using waste exemption	On a farm	Use of waste for a specified purpose
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Disposing of waste exemption	On a farm	Burning waste in the open
AC	209m SE	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
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Using waste exemption	On a farm	Use of mulch
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX172538	Treating waste exemption	On a farm	Screening and blending of waste
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Using waste exemption	On a farm	Use of waste in construction
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Storing waste exemption	On a farm	Storage of waste in a secure place
AC	209m SE	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
AC	209m SE	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
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Using waste exemption	On a farm	Incorporation of ash into soil

ID	Location	Site	Reference	Category	Sub-Category	Description
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Using waste exemption	On a farm	Use of waste for a specified purpose
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Disposing of waste exemption	On a farm	Burning waste in the open
AC	209m SE	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
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Treating waste exemption	On a farm	Screening and blending of waste
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Using waste exemption	On a farm	Use of mulch
AC	209m SE	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX305429	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AC	210m SE	Silver Green Farm Silver Green Norwich Nr15 2nj	EPR/JE5859YT/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AC	210m SE	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
AC	210m SE	Silver Green Farm Silver Green Norwich Nr15 2nj	EPR/JE5859YT/A001	Treating waste exemption	Agricultural waste only	Screening and blending of waste
AC	210m SE	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
AC	210m SE	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
AC	210m SE	Silver Green Farm Silver Green Norwich Nr15 2nj	EPR/JE5859YT/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
AC	210m SE	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
AC	210m SE	Silver Green Farm Silver Green Norwich Nr15 2nj	EPR/JE5859YT/A001	Using waste exemption	Agricultural waste only	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
AC	210m SE	Silver Green Farm Silver Green Norwich Nr15 2nj	EPR/JE5859YT/A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
AC	210m SE	Silver Green Farm Silver Green Norwich Nr15 2nj	EPR/JE5859YT/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
AC	210m SE	Silver Green Farm Silver Green Norwich Nr15 2nj	EPR/JE5859YT/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
AC	210m SE	Silver Green Farm Silver Green Norwich Nr15 2nj	EPR/JE5859YT/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
AD	215m N	Ipswich Road, Tasburgh, Norwich, Nr15 1ns	WEX143127	Disposing of waste exemption	Not on a farm	Disposal by incineration
AD	215m N	Ipswich Road, Tasburgh, Norwich, Nr15 1ns	WEX143127	Disposing of waste exemption	Not on a farm	Burning waste in the open
AD	215m N	Ipswich Road, Tasburgh, Norwich, Nr15 1ns	WEX306159	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
AD	215m N	Ipswich Road, Tasburgh, Norwich, Nr15 1ns	WEX306159	Disposing of waste exemption	Not on a farm	Burning waste in the open
23	226m E	-	WEX366466	Storing waste exemption	On a farm	Storage of sludge
AE	226m NE	-	WEX459417	Storing waste exemption	On a farm	Storage of waste in a secure place
AE	226m NE	-	WEX459417	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
AE	226m NE	-	WEX459417	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AE	226m NE	-	WEX459417	Storing waste exemption	On a farm	Storage of waste in secure containers
AE	226m NE	-	WEX459417	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AE	226m NE	-	WEX459417	Disposing of waste exemption	On a farm	Burning waste in the open
AE	226m NE	-	WEX459417	Using waste exemption	On a farm	Spreading of plant matter to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
AE	226m NE	-	WEX459417	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AF	229m SW	Grange Farm Lundy Green Norwich Nr15 2nx	EPR/NH0272YN/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
AF	229m SW	Grange Farm Lundy Green Norwich Nr15 2nx	EPR/NH0272YN/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
AF	229m SW	Grange Farm Lundy Green Norwich Nr15 2nx	EPR/NH0272YN/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
AF	229m SW	Grange Farm Lundy Green Norwich Nr15 2nx	EPR/NH0272YN/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
AF	229m SW	Grange Farm Lundy Green Norwich Nr15 2nx	EPR/NH0272YN/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Cleaning, washing, spraying or coating relevant waste
AF	229m SW	Grange Farm Lundy Green Norwich Nr15 2nx	EPR/NH0272YN/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AF	229m SW	Grange Farm Lundy Green Norwich Nr15 2nx	EPR/NH0272YN/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
AD	229m N	Superior Garden Buildings Ipswich Road Norwich Nr15 1ns	EPR/CF0402CJ/A001	Disposing of waste exemption	Non-agricultural waste only	Disposal by incineration
AD	229m N	Superior Garden Buildings Ipswich Road Norwich Nr15 1ns	EPR/CF0402CJ/A001	Disposing of waste exemption	Non-agricultural waste only	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
AF	231m SW	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX427128	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AF	231m SW	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX427128	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
AF	231m SW	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX427128	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AF	231m SW	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX427128	Disposing of waste exemption	On a farm	Burning waste in the open
AF	231m SW	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX427128	Using waste exemption	On a farm	Use of waste in construction
AF	231m SW	Lundy Green Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX427128	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AF	231m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX457443	Disposing of waste exemption	On a farm	Burning waste in the open
AF	231m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX457443	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AF	231m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX457443	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
24	233m NW	-	WEX374697	Storing waste exemption	On a farm	Storage of sludge
AG	237m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX443115	Treating waste exemption	On a farm	Recovery of scrap metal
AG	237m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX443115	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AG	237m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX443115	Disposing of waste exemption	On a farm	Burning waste in the open
AG	237m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX443115	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
AG	237m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX443115	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AG	237m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX443115	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AG	237m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX443115	Using waste exemption	On a farm	Use of waste in construction
AG	240m N	-	WEX422728	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
25	248m N	Enterprise House Harveys Lane Norwich Nr15 1en	EPR/SF0104NQ/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ/A001	Treating waste exemption	Agricultural waste only	Treatment of sheep dip for disposal
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose

ID	Location	Site	Reference	Category	Sub-Category	Description
AH	252m NE	Manor Farm Upgate Road Norwich Nr15 1el	EPR/JE5789MJ /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
AI	262m E	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
AI	262m E	Beech Farm Littlebeck Lane Norwich Nr15 1et	EPR/YE5280SE /A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AI	263m E	Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et	WEX031382	Disposing of waste exemption	On a farm	Burning waste in the open
AI	263m E	Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et	WEX317559	Disposing of waste exemption	On a farm	Burning waste in the open
AI	263m E	Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et	WEX317559	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AI	263m E	Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et	WEX188641	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AI	263m E	Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et	WEX031382	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AI	263m E	Beech Farm, Littlebeck Lane, Brooke, Norwich, Nr15 1et	WEX188641	Disposing of waste exemption	On a farm	Burning waste in the open
AJ	281m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX289738	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AJ	281m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX289738	Storing waste exemption	On a farm	Storage of waste in a secure place
AJ	281m 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
AJ	281m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX289738	Using waste exemption	On a farm	Incorporation of ash into soil

ID	Location	Site	Reference	Category	Sub-Category	Description
AJ	281m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX289738	Using waste exemption	On a farm	Use of waste for a specified purpose
AJ	281m 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
AJ	281m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX289738	Using waste exemption	On a farm	Use of waste in construction
AJ	281m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX289738	Using waste exemption	On a farm	Use of mulch
AJ	281m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX289738	Disposing of waste exemption	On a farm	Burning waste in the open
AJ	281m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX289738	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AK	289m NW	Land At Tm2658095670	EPR/FE5353ND/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
AK	289m NW	Land @ Tm26589567	EPR/HE5553ZN/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
AL	290m N	-	WEX316477	Using waste exemption	On a farm	Use of waste in construction
AM	294m S	Lime Tree Farm Fairstead Lane Norwich Nr15 2rd	EPR/WH0079SL/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
AM	294m S	Lime Tree Farm Fairstead Lane Norwich Nr15 2rd	EPR/WH0079SL/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AM	294m S	Lime Tree Farm Fairstead Lane Norwich Nr15 2rd	EPR/WH0079SL/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
AM	294m S	Lime Tree Farm Fairstead Lane Norwich Nr15 2rd	EPR/WH0079SL/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AN	297m S	Land At Tm24289506	EPR/LE5143KA/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge

ID	Location	Site	Reference	Category	Sub-Category	Description
AO	301m E	Nene Valley Farm Harveys Lane Norwich Nr15 1en	EPR/VE5957YR/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
AO	301m E	Nene Valley Farm Harveys Lane Norwich Nr15 1en	EPR/VE5957YR/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AO	301m E	Nene Valley Farm Harveys Lane Norwich Nr15 1en	EPR/VE5957YR/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
AO	301m 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
AO	301m 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
AL	301m N	-	WEX364372	Disposing of waste exemption	Not on a farm	Burning waste in the open
AM	306m S	Lime Tree Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX312455	Disposing of waste exemption	On a farm	Burning waste in the open
AM	306m S	Lime Tree Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX179370	Disposing of waste exemption	On a farm	Burning waste in the open
AP	307m E	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
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH/A001	Disposing of waste exemption	Agricultural waste only	Disposal by incineration
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AP	307m E	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
AP	307m E	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
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers

ID	Location	Site	Reference	Category	Sub-Category	Description
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH /A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH /A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH /A001	Treating waste exemption	Agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH /A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH /A001	Using waste exemption	Agricultural waste only	Pig and poultry ash
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH /A001	Using waste exemption	Agricultural waste only	Burning of waste as a fuel in a small appliance
AP	307m E	Fairstead Lane Farm Pymars Lane Norwich Nr15 2rg	EPR/LF0534UH /A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
AN	307m S	Land At Tm24289505	EPR/LE5243KD /A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Storing waste exemption	On a farm	Storage of waste in a secure place
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Using waste exemption	On a farm	Use of waste in construction
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Treating waste exemption	On a farm	Sorting mixed waste

ID	Location	Site	Reference	Category	Sub-Category	Description
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Disposing of waste exemption	On a farm	Burning waste in the open
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Using waste exemption	On a farm	Use of mulch
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Using waste exemption	On a farm	Incorporation of ash into soil
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Using waste exemption	On a farm	Use of waste for a specified purpose
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Treating waste exemption	On a farm	Screening and blending of waste
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX463546	Storing waste exemption	On a farm	Storage of waste in a secure place
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX463546	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX463546	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX463546	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX463546	Using waste exemption	On a farm	Use of waste in construction
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX463546	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AQ	309m S	Silver Green Farm, Silver Green, Hempnall, Norwich, Nr15 2nj	WEX435284	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AR	312m NE	Mill Road, Hempnall, Norwich, Nr15 2lp	WEX218796	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
AR	312m NE	Mill Road, Hempnall, Norwich, Nr15 2lp	WEX342527	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Using waste exemption	On a farm	Incorporation of ash into soil
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Disposing of waste exemption	On a farm	Disposal by incineration
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Disposing of waste exemption	On a farm	Burning waste in the open
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Treating waste exemption	On a farm	Recovery of scrap metal
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Using waste exemption	On a farm	Use of mulch
AS	337m SE	Lime Tree Farm, Fairstead Lane, Hempnall, Norwich, Nr152rd	WEX010965	Disposing of waste exemption	On a farm	Burning waste in the open
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Storing waste exemption	On a farm	Storage of sludge
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Using waste exemption	On a farm	Use of waste for a specified purpose

ID	Location	Site	Reference	Category	Sub-Category	Description
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Using waste exemption	On a farm	Pig and poultry ash
AS	337m SE	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
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Storing waste exemption	On a farm	Storage of waste in secure containers
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Storing waste exemption	On a farm	Storage of waste in a secure place
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Storing waste exemption	On a farm	Storage of sludge
AS	337m SE	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
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Using waste exemption	On a farm	Incorporation of ash into soil

ID	Location	Site	Reference	Category	Sub-Category	Description
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Using waste exemption	On a farm	Pig and poultry ash
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Using waste exemption	On a farm	Use of waste for a specified purpose
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Storing waste exemption	On a farm	Storage of waste in secure containers
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX053630	Storing waste exemption	On a farm	Storage of waste in a secure place
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Using waste exemption	On a farm	Use of mulch
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Disposing of waste exemption	On a farm	Disposal by incineration
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Disposing of waste exemption	On a farm	Burning waste in the open
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Treating waste exemption	On a farm	Recovery of scrap metal
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX209883	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Disposing of waste exemption	On a farm	Burning waste in the open
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Disposing of waste exemption	On a farm	Disposal by incineration
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Treating waste exemption	On a farm	Recovery of scrap metal
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Using waste exemption	On a farm	Incorporation of ash into soil
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Storing waste exemption	On a farm	Storage of sludge
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Storing waste exemption	On a farm	Storage of waste in a secure place
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Storing waste exemption	On a farm	Storage of waste in secure containers
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AS	337m SE	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
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Using waste exemption	On a farm	Pig and poultry ash
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
AS	337m SE	Fairstead Farm, Fairstead Lane, Hempnall, Norwich, Nr15 2rd	WEX337977	Using waste exemption	On a farm	Use of waste for a specified purpose
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX099636	Storing waste exemption	On a farm	Storage of waste in secure containers
AT	342m N	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

ID	Location	Site	Reference	Category	Sub-Category	Description
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX099636	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX099636	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX099636	Storing waste exemption	On a farm	Storage of waste in a secure place
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX099636	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX099636	Using waste exemption	On a farm	Use of waste for a specified purpose
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX253794	Storing waste exemption	On a farm	Storage of waste in a secure place
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX253794	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX253794	Using waste exemption	On a farm	Use of mulch
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX253794	Disposing of waste exemption	On a farm	Burning waste in the open
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX253794	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX306607	Disposing of waste exemption	On a farm	Burning waste in the open
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX306607	Treating waste exemption	On a farm	Recovery of scrap metal
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX306607	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX306607	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AT	342m N	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
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX306607	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AT	342m N	Hall Farm, The Green, Saxlingham Nethergate, Norwich, Nr15 1th	WEX306607	Using waste exemption	On a farm	Use of waste in construction
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/A001	Using waste exemption	Agricultural waste only	Burning of waste as a fuel in a small appliance
AU	343m S	Hill House Farm Shotesham Road Bungay Suffolk Nr35 2nd	EPR/DH0071RE/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
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Using waste exemption	On a farm	Use of waste in construction
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Using waste exemption	On a farm	Use of waste for a specified purpose
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Disposing of waste exemption	On a farm	Burning waste in the open
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
AU	344m S	Hill House Farm, Shotesham Road, Woodton, Bungay, Nr35 2nd	WEX457294	Using waste exemption	On a farm	Incorporation of ash into soil
AV	345m NE	-	WEX138869	Storing waste exemption	On a farm	Storage of sludge
AW	347m NW	Lyncroft Bungay Road Norwich Nr15 2ng	EPR/AE5088BH/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
AW	347m NW	Lyncroft, Bungay Road, Hempnall, Norwich, Nr15 2ng	WEX189477	Disposing of waste exemption	On a farm	Burning waste in the open
AW	347m NW	Lyncroft, Bungay Road, Hempnall, Norwich, Nr15 2ng	WEX030988	Disposing of waste exemption	On a farm	Burning waste in the open
AW	347m NW	Lyncroft, Bungay Road, Hempnall, Norwich, Nr15 2ng	WEX321577	Disposing of waste exemption	On a farm	Burning waste in the open
AT	352m N	Hall Farm The Green Norwich Nr15 1th	EPR/GF0237RS/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
AT	352m N	Hall Farm The Green Norwich Nr15 1th	EPR/GF0237RS/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
AT	352m N	Hall Farm The Green Norwich Nr15 1th	EPR/GF0237RS/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX327778	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX327778	Disposing of waste exemption	On a farm	Burning waste in the open
AX	357m 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
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX048985	Disposing of waste exemption	On a farm	Burning waste in the open
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX048985	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX048985	Storing waste exemption	On a farm	Storage of waste in secure containers
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX202395	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX202395	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
AX	357m 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
AX	357m 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
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX048985	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
AX	357m 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
AX	357m SW	Grange Farm, Lundy Green, Hempnall, Norwich, Nr15 2nx	WEX048985	Using waste exemption	On a farm	Use of waste in construction
AV	357m NE	Land At Tm23629708	EPR/HE5349XR/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
AV	361m NE	Land At Tm2363097070	EPR/SE5047SE/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
AY	364m SW	-	WEX259477	Storing waste exemption	On a farm	Storage of sludge
AY	365m SW	-	WEX259476	Storing waste exemption	On a farm	Storage of sludge
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Using waste exemption	On a farm	Use of waste in construction
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Disposing of waste exemption	On a farm	Burning waste in the open
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Using waste exemption	On a farm	Use of mulch
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Storing waste exemption	On a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Using waste exemption	On a farm	Use of waste in construction
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Using waste exemption	On a farm	Incorporation of ash into soil
AZ	366m 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
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Using waste exemption	On a farm	Use of waste for a specified purpose
AZ	366m SW	Sycamore Farm, Sycamore Farm, Hempanll, Norwich, Nr152np	WEX051889	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Storing waste exemption	On a farm	Storage of waste in a secure place
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Disposing of waste exemption	On a farm	Burning waste in the open
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Using waste exemption	On a farm	Use of waste for a specified purpose
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AZ	366m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX419603	Using waste exemption	On a farm	Incorporation of ash into soil
AZ	366m SW	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX459209	Storing waste exemption	On a farm	Storage of waste in a secure place
AZ	366m SW	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX459209	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AZ	366m SW	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX459209	Disposing of waste exemption	On a farm	Burning waste in the open
AZ	366m SW	Villa Farm, Alburgh Road, Hempnall, Norwich, Nr15 2np	WEX459209	Using waste exemption	On a farm	Use of waste in construction
AY	389m S	-	WEX420991	Storing waste exemption	On a farm	Storage of sludge
AZ	393m SW	-	WEX366065	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AZ	393m SW	-	WEX366065	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AZ	393m SW	-	WEX366065	Using waste exemption	On a farm	Use of mulch
AZ	393m SW	-	WEX366065	Using waste exemption	On a farm	Use of waste for a specified purpose
AZ	393m SW	-	WEX366065	Disposing of waste exemption	On a farm	Burning waste in the open
AZ	393m SW	-	WEX366065	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AZ	393m SW	-	WEX366065	Using waste exemption	On a farm	Use of waste in construction
AZ	393m SW	-	WEX366065	Storing waste exemption	On a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
AZ	393m SW	-	WEX464138	Storing waste exemption	On a farm	Storage of waste in a secure place
AZ	393m SW	-	WEX464138	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AZ	393m SW	-	WEX464138	Using waste exemption	On a farm	Use of waste in construction
AZ	393m SW	-	WEX464138	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AZ	393m SW	-	WEX464138	Disposing of waste exemption	On a farm	Burning waste in the open
AZ	393m SW	-	WEX464138	Using waste exemption	On a farm	Use of waste for a specified purpose
AZ	393m SW	-	WEX464138	Using waste exemption	On a farm	Use of mulch
AZ	393m SW	-	WEX464138	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AZ	393m SW	-	WEX464138	Using waste exemption	On a farm	Incorporation of ash into soil
AZ	393m SW	-	WEX205138	Using waste exemption	On a farm	Use of waste for a specified purpose
AZ	393m SW	-	WEX205138	Storing waste exemption	On a farm	Storage of waste in a secure place
AZ	393m SW	-	WEX205138	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AZ	393m SW	-	WEX205138	Using waste exemption	On a farm	Incorporation of ash into soil
AZ	393m SW	-	WEX205138	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AZ	393m SW	-	WEX205138	Using waste exemption	On a farm	Use of waste in construction
AZ	393m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX151687	Storing waste exemption	On a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
AZ	393m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX151687	Using waste exemption	On a farm	Use of waste in construction
AZ	393m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX151687	Using waste exemption	On a farm	Use of waste for a specified purpose
AZ	393m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX151687	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AZ	393m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX151687	Using waste exemption	On a farm	Incorporation of ash into soil
AZ	393m 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
AZ	393m 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
AZ	393m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX151687	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AZ	393m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX151687	Disposing of waste exemption	On a farm	Burning waste in the open
AZ	393m SW	Sycamore Farm, Hempnall Green, 17alburgh Rd, Norwich, Nr152np	WEX151687	Using waste exemption	On a farm	Use of mulch
AZ	393m SW	-	WEX331838	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
AZ	393m SW	-	WEX331838	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
AZ	393m SW	-	WEX331838	Storing waste exemption	On a farm	Storage of waste in a secure place
AZ	393m SW	-	WEX331838	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AZ	393m SW	-	WEX331838	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
AZ	393m SW	-	WEX331838	Disposing of waste exemption	On a farm	Burning waste in the open
AZ	393m SW	-	WEX331838	Using waste exemption	On a farm	Use of waste in construction
AZ	393m SW	-	WEX331838	Using waste exemption	On a farm	Use of waste for a specified purpose
AZ	393m SW	-	WEX331838	Using waste exemption	On a farm	Incorporation of ash into soil
AZ	393m SW	-	WEX205138	Disposing of waste exemption	On a farm	Burning waste in the open
AZ	393m SW	-	WEX205138	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
AZ	393m SW	-	WEX205138	Using waste exemption	On a farm	Use of mulch
AZ	393m SW	-	WEX366065	Using waste exemption	On a farm	Incorporation of ash into soil
29	395m NW	-	WEX114439	Storing waste exemption	On a farm	Storage of sludge
BA	399m SE	Oldhouse Farm Woodton Road Norwich Nr15 1ey	EPR/AH0676XV/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
BA	399m SE	Oldhouse Farm Woodton Road Norwich Nr15 1ey	EPR/AH0676XV/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
BA	399m SE	Oldhouse Farm Woodton Road Norwich Nr15 1ey	EPR/AH0676XV/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
BA	399m SE	Oldhouse Farm Woodton Road Norwich Nr15 1ey	EPR/AH0676XV/A001	Using waste exemption	Agricultural waste only	Burning of waste as a fuel in a small appliance
BA	399m SE	Oldhouse Farm Woodton Road Norwich Nr15 1ey	EPR/AH0676XV/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
30	405m N	The Mallows, 50 High Green, Brooke, Nr15 1ja	WEX129229	Using waste exemption	Not on a farm	Use of waste in construction
31	407m NW	Ormonde Ipswich Road Norwich Norfolk Nr15 1ns	EPR/GF0506KD/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
BB	411m NE	Moat Farm Bungay Road Norwich Nr15 2nq	EPR/PF0536GM/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
BB	411m NE	Moat Farm Bungay Road Norwich Nr15 2nq	EPR/PF0536GM/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
BB	411m NE	Moat Farm Bungay Road Norwich Nr15 2nq	EPR/PF0536GM/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit
BB	411m NE	Moat Farm Bungay Road Norwich Nr15 2nq	EPR/PF0536GM/A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
BB	411m NE	Moat Farm Bungay Road Norwich Nr15 2nq	EPR/PF0536GM/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
BB	411m NE	Moat Farm Bungay Road Norwich Nr15 2nq	EPR/PF0536GM/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
BB	411m NE	Moat Farm Bungay Road Norwich Nr15 2nq	EPR/PF0536GM/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
BB	411m NE	Moat Farm Bungay Road Norwich Nr15 2nq	EPR/PF0536GM/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
32	415m NE	-	WEX458742	Storing waste exemption	On a farm	Storage of sludge
AY	415m S	-	WEX291382	Storing waste exemption	On a farm	Storage of sludge

ID	Location	Site	Reference	Category	Sub-Category	Description
AY	417m S	-	WEX260425	Storing waste exemption	On a farm	Storage of sludge
BB	421m NE	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
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX059592	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
BB	421m NE	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
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX059592	Using waste exemption	On a farm	Use of waste in construction
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX059592	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX059592	Using waste exemption	On a farm	Incorporation of ash into soil
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX059592	Using waste exemption	On a farm	Use of waste for a specified purpose
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX059592	Disposing of waste exemption	On a farm	Burning waste in the open
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX059592	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX214643	Disposing of waste exemption	On a farm	Burning waste in the open
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX214643	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX343245	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX343245	Using waste exemption	On a farm	Use of waste for a specified purpose
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX343245	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX343245	Using waste exemption	On a farm	Incorporation of ash into soil
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX343245	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX343245	Disposing of waste exemption	On a farm	Burning waste in the open
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX343245	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX214643	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
BB	421m NE	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
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX214643	Using waste exemption	On a farm	Incorporation of ash into soil
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX214643	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX214643	Using waste exemption	On a farm	Use of waste for a specified purpose
BB	421m NE	Moat Farm, Bungay Road, Hempnall, Norwich, Nr15 2nq	WEX214643	Using waste exemption	On a farm	Use of waste in construction
33	431m N	-	WEX314040	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX191604	Disposing of waste exemption	On a farm	Burning waste in the open
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX191604	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
BC	441m S	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
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX023916	Disposing of waste exemption	On a farm	Burning waste in the open
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX023916	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX023916	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX023916	Storing waste exemption	On a farm	Storage of waste in secure containers

ID	Location	Site	Reference	Category	Sub-Category	Description
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX023916	Storing waste exemption	On a farm	Storage of waste in a secure place
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX023916	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
BC	441m S	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
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX023916	Using waste exemption	On a farm	Use of waste in construction
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX023916	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
BC	441m S	Dairy Farm Suffolk Nr35 2na	EPR/DH0274HE/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX318959	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX318959	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX318959	Disposing of waste exemption	On a farm	Burning waste in the open
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX454610	Using waste exemption	On a farm	Use of mulch
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX454610	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX454610	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX454610	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX454610	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
BC	441m S	Norwich Road, Woodton, Bungay, Nr35 2na	WEX191604	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
BE	456m W	Land At Tm25289697	EPR/GE5186WF/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
BF	459m NW	Ipswich Road, Tasburgh, Norwich, Nr15 1ns	WEX437992	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
BF	459m NW	Ipswich Road, Tasburgh, Norwich, Nr15 1ns	WEX437992	Disposing of waste exemption	Not on a farm	Burning waste in the open
BE	464m NW	-	WEX006600	Storing waste exemption	On a farm	Storage of sludge
BG	466m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX068359	Disposing of waste exemption	On a farm	Burning waste in the open
BG	466m SE	-	WEX458600	Using waste exemption	On a farm	Use of waste in construction
BG	466m SE	-	WEX196954	Using waste exemption	On a farm	Use of waste in construction
BG	466m SE	Spring Lane Farm Spring Lane Bungay Suffolk Nr35 2bd	EPR/NE5184NU/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
BG	466m SE	Spring Lane Farm Spring Lane Bungay Suffolk Nr35 2bd	EPR/NE5184NU/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
BG	466m SE	Spring Lane Farm Spring Lane Bungay Suffolk Nr35 2bd	EPR/NE5184NU/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
BG	466m SE	Spring Lane Farm Spring Lane Bungay Suffolk Nr35 2bd	EPR/NE5184NU/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
BG	466m SE	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
BG	466m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX068359	Storing waste exemption	On a farm	Storage of waste in secure containers

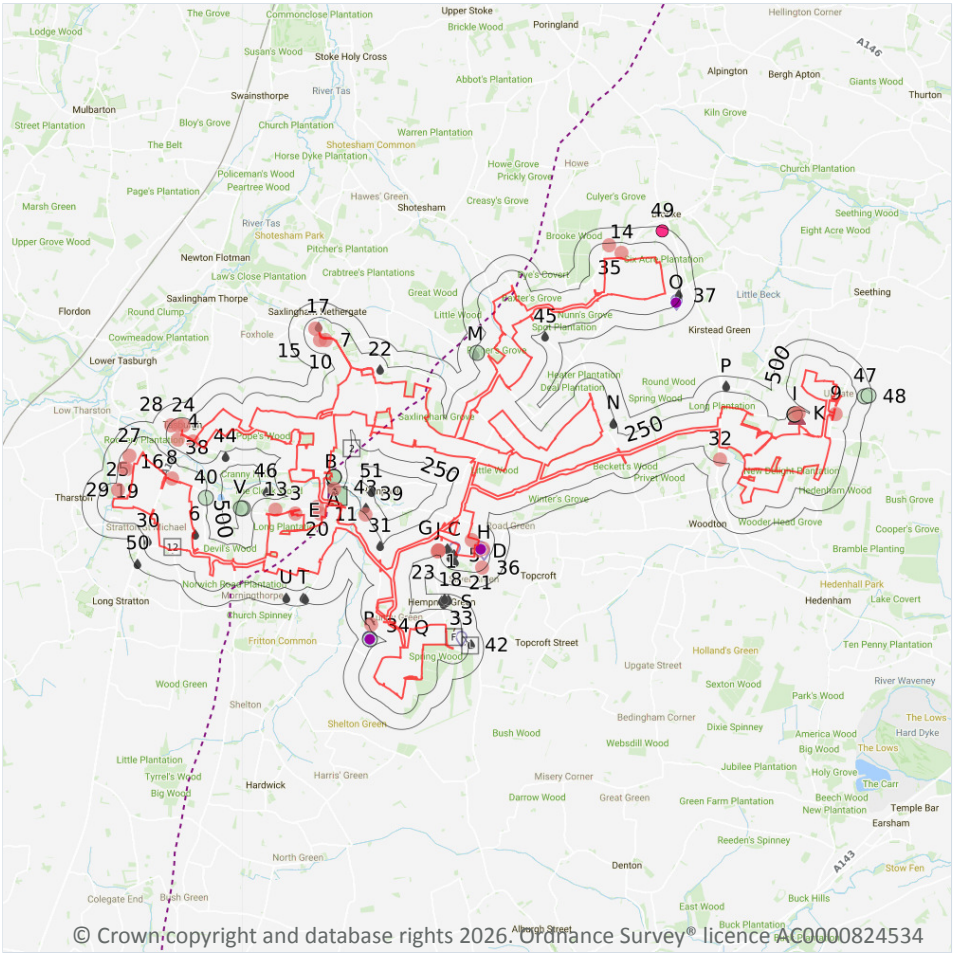
ID	Location	Site	Reference	Category	Sub-Category	Description
BG	466m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX068359	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
BG	466m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX068359	Using waste exemption	On a farm	Use of waste in construction
BG	466m SE	Bdf Ltd, Sprig Lane, Hempnall, Nr152ny	WEX041035	Disposing of waste exemption	On a farm	Burning waste in the open
BG	466m SE	Spring Lane Farm Spring Lane Bungay Suffolk Nr35 2bd	EPR/NE5184NU/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
BG	466m SE	-	WEX323050	Using waste exemption	On a farm	Use of waste in construction
BG	466m SE	Bdf Ltd, Sprig Lane, Hempnall, Nr152ny	WEX041035	Storing waste exemption	On a farm	Storage of waste in secure containers
BG	466m SE	Bdf Ltd, Sprig Lane, Hempnall, Nr152ny	WEX041035	Storing waste exemption	On a farm	Storage of waste in a secure place
BG	466m SE	Bdf Ltd, Sprig Lane, Hempnall, Nr152ny	WEX041035	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
BG	466m SE	Bdf Ltd, Sprig Lane, Hempnall, Nr152ny	WEX041035	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
BG	466m SE	Bdf Ltd, Sprig Lane, Hempnall, Nr152ny	WEX041035	Using waste exemption	On a farm	Use of waste for a specified purpose
BG	467m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX412592	Using waste exemption	On a farm	Use of waste in construction
BG	467m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX412592	Disposing of waste exemption	On a farm	Burning waste in the open
BG	467m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX412592	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
BG	467m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX412592	Storing waste exemption	On a farm	Storage of waste in a secure place
BG	467m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX412592	Storing waste exemption	On a farm	Storage of waste in secure containers

ID	Location	Site	Reference	Category	Sub-Category	Description
BG	467m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX412592	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
BG	467m SE	Spring Lane Farm, Spring Lane, Topcroft, Bungay, Nr35 2bd	WEX412592	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
BH	484m S	-	WEX402570	Storing waste exemption	On a farm	Storage of sludge
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/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
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit
BI	485m SW	17 Alburgh Road Norwich Nr15 2np	EPR/DH0475DW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
BH	485m S	-	WEX291384	Storing waste exemption	On a farm	Storage of sludge

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

4 Current industrial land use



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4.1 Recent industrial land uses

Records within 250m	34

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on page 97 >

ID	Location	Company	Address	Activity	Category
1	**On site**	**Poultry Houses**	**Norfolk, NR15**	**Poultry Farming, Equipment and Supplies**	**Farming**
3	10m N	L R S Anglia Ltd	The Grove, Hempnall Road, Fritton, Norwich, Norfolk, NR15 2LN	Vehicle Parts and Accessories	Motoring
4	16m SW	Pumping Station	Norfolk, NR15	Water Pumping Stations	Industrial Features

ID	Location	Company	Address	Activity	Category
7	24m S	B F Moore & Son	Orchard View, Church Hill, Saxlingham Nethergate, Norfolk, NR15 1TD	Livestock Farming	Farming
8	31m N	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
9	33m E	Silo	Norfolk, NR15	Hoppers and Silos	Farming
10	46m SW	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
D	54m E	Silo	Norfolk, NR15	Hoppers and Silos	Farming
11	56m NW	Solar Panels	Norfolk, NR15	Energy Production	Industrial Features
13	82m N	Solar Panels	Norfolk, NR15	Energy Production	Industrial Features
14	88m N	Pumping Station	Norfolk, NR15	Water Pumping Stations	Industrial Features
15	94m NW	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
16	99m SW	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
D	106m SE	Poultry Houses	Norfolk, NR15	Poultry Farming, Equipment and Supplies	Farming
19	107m W	Solar Panels	Norfolk, NR15	Energy Production	Industrial Features
20	109m SW	Pumping Station	Norfolk, NR15	Water Pumping Stations	Industrial Features
24	124m N	P R Motorcycle Engineering	Half Acre, Ipswich Road, Tasburgh, Norfolk, NR15 1NS	Vehicle Repair, Testing and Servicing	Repair and Servicing
25	137m N	Solar Panels	Norfolk, NR15	Energy Production	Industrial Features
27	145m NW	Solar Panels	Norfolk, NR15	Energy Production	Industrial Features
28	150m NW	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
29	158m W	Hall Farm Solar park - Solar Photovoltaics (BEIS)	Land South of Hall Farm Bungay Road Tasburgh Norfolk, Norfolk, NR15	Energy Production	Industrial Features
E	164m SE	Sewage Works	Norfolk, NR15	Waste Storage, Processing and Disposal	Infrastructure and Facilities
J	171m S	Take My Scrap Car	Villa Farm, Alburgh Road, Hempnall, Norfolk, NR15 2NP	Scrap Metal Merchants	Recycling Services
J	171m S	Evergreen Insulation Services Ltd	Villa Farm, Alburgh Road, Hempnall, Norfolk, NR15 2NP	Construction Completion Services	Construction Services
J	171m S	All Parts Motor Salvage	Villa Farm, Alburgh Road, Hempnall, Norfolk, NR15 2NP	Scrap Metal Merchants	Recycling Services
32	193m S	Norfolk Liquid Feeds Ltd	Woodton Barn, Norwich Road, Woodton, Norfolk, NR35 2LU	Animal Feeds, Pet Foods, Hay and Straw	Foodstuffs
I	197m N	David Yarham Salvage Ltd	Crofton Works, Harveys Lane, Seething, Norfolk, NR15 1EN	Scrap Metal Merchants	Recycling Services
J	198m S	Harvey Lane Garage	Alburgh Road, Hempnall, Norwich, Norfolk, NR15 2NP	Vehicle Repair, Testing and Servicing	Repair and Servicing
34	205m W	James Rodger & Son Ltd	Lundy Green Farm, Lundy Green, Hempnall, Norfolk, NR15 2NX	Agricultural Contractors	Contract Services
35	208m N	Paul Utting Commercials	Wood Farm, High Green, Brooke, Norfolk, NR15 1JE	Vehicle Repair, Testing and Servicing	Repair and Servicing
36	209m SE	C G Moore & Sons	Silver Green Farm, Silver Green, Hempnall, Norfolk, NR15 2NJ	Livestock Farming	Farming
K	209m N	Fendercare Ltd	Enterprise House, Harveys Lane, Seething, Norfolk, NR15 1EN	Marine Engineers and Services	Engineering Services
38	221m NW	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
39	245m NE	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey®.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m	**18**

Current or recent tanks identified from the Ordnance Survey® NGD.

Features are displayed on the Current industrial land use map on **page 97 >**

ID	Location	Tank description	Activity	Date first identified
12	59m S	Open Storage Tank	Commercial Activity: Distribution Or Storage	25/07/2016
F	117m E	Open Storage Tank	Commercial Activity: Distribution Or Storage	05/03/2025
E	120m N	Open Storage Tank	Commercial Activity: Distribution Or Storage	31/07/2006
F	120m E	Open Storage Tank	Commercial Activity: Distribution Or Storage	05/03/2025
F	124m E	Open Storage Tank	Commercial Activity: Distribution Or Storage	05/03/2025
F	129m E	Open Storage Tank	Commercial Activity: Distribution Or Storage	05/03/2025
F	137m E	Open Storage Tank	Commercial Activity: Distribution Or Storage	05/03/2025
26	143m SW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	05/03/2025
E	154m N	Open Storage Tank	Commercial Activity: Distribution Or Storage	31/07/2006
E	169m SE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/02/2001
E	170m SE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/02/2001
E	171m SE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/02/2001
E	173m SE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/02/2001
E	174m SE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/02/2001
E	176m SE	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/02/2001
L	194m E	Open Storage Tank	Commercial Activity: Distribution Or Storage	16/02/2001
L	203m E	Open Storage Tank	Commercial Activity: Distribution Or Storage	31/07/2006
41	249m NE	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	25/07/2016

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	1

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on **page 97 >**

ID	Location	Pipe Name	Details	
2	**On site**	**YELVERTON TO STOWMARKET**	**Pipe Number: -** **Pipeline Safety Regulations Number: -** **Ownership: National Grid** **Maximum Operating Pressure (Bar): -**	**Pipeline Diameter (mm): 900** **Wall Thickness (mm): -** **Year of commission: Not specified** **Abandonment Status: Not abandoned**

This data is sourced from National Grid.

4.6 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.

4.7 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.

4.8 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.

4.9 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 97 >**

ID	Location	Details	
I	151m N	Application reference number: 1992/1332 Application status: Historical Consent Application date: 24/09/1992 Address: Firman Coates & Sons Ltd, Sandy Lane, Diss, Norfolk, IP22 4HY	Details: Storage Of Hazardous Substances Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	151m N	Application reference number: 1992/1332 Application status: Approved Application date: 24/09/1992 Address: Frontier Agriculture Ltd, Sandy Lane, Diss, Norfolk, England, IP22 4HY	Details: Storage Of Hazardous Substances Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	151m N	Application reference number: 1998/1198 Application status: Approved Application date: 07/08/1998 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 Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.10 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.

4.11 Licensed industrial activities (Part A(1))

Records within 500m	24

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 97 >**

ID	Location	Details	
C	46m W	Operator: [redacted] Installation Name: Firs Field Farm Duck Unit - EPR/UP3231MJ Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: UP3231MJ Original Permit Number: UP3231MJ	EPR Reference: EPR/UP3231MJ Issue Date: 01/08/2007 Effective Date: 26/01/2021 Last date noted as effective: 07/01/2026 Status: Effective
C	46m W	Operator: Buck Installation Name: Firs Field Farm Duck Unit - EPR/UP3231MJ Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: MP3406SG Original Permit Number: UP3231MJ	EPR Reference: - Issue Date: 26/01/2021 Effective Date: 26/01/2021 Last date noted as effective: 21/03/2023 Status: Effective
D	72m SE	Operator: E C Drummond (Agriculture) Ltd Installation Name: Hempnall Poultry Farm EPR/RP3531AZ Process: ASSOCIATED PROCESS Permit Number: WP3036JL Original Permit Number: RP3531AZ	EPR Reference: - Issue Date: 16/07/2018 Effective Date: 16/07/2018 Last date noted as effective: 21/03/2023 Status: Effective
D	72m SE	Operator: E C Drummond (Agriculture) Ltd Installation Name: Hempnall Poultry Farm EPR/RP3531AZ Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: WP3036JL Original Permit Number: RP3531AZ	EPR Reference: - Issue Date: 16/07/2018 Effective Date: 16/07/2018 Last date noted as effective: 21/03/2023 Status: Effective
D	72m SE	Operator: E C Drummond (Agriculture) Ltd Installation Name: Hempnall Poultry Farm EPR/RP3531AZ Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: WP3036JL Original Permit Number: RP3531AZ	EPR Reference: - Issue Date: 16/07/2018 Effective Date: 16/07/2018 Last date noted as effective: 21/03/2023 Status: Effective
H	149m E	Operator: MOY PARK LIMITED Installation Name: Hempnall Poultry Farm EPR/GP3034MH Process: ASSOCIATED PROCESS Permit Number: GP3034MH Original Permit Number: GP3034MH	EPR Reference: EPR/GP3034MH Issue Date: 13/09/2007 Effective Date: 01/09/2010 Last date noted as effective: 07/01/2026 Status: Superseded

ID	Location	Details	
H	149m E	Operator: E C DRUMMOND (AGRICULTURE) LTD Installation Name: Hempnall Poultry Farm EPR/RP3531AZ Process: ASSOCIATED PROCESS Permit Number: RP3531AZ Original Permit Number: RP3531AZ	EPR Reference: EPR/RP3531AZ Issue Date: 23/07/2015 Effective Date: 24/07/2025 Last date noted as effective: 07/01/2026 Status: Effective
H	149m E	Operator: E C DRUMMOND (AGRICULTURE) LTD Installation Name: Hempnall Poultry Farm EPR/RP3531AZ Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: RP3531AZ Original Permit Number: RP3531AZ	EPR Reference: EPR/RP3531AZ Issue Date: 23/07/2015 Effective Date: 24/07/2025 Last date noted as effective: 07/01/2026 Status: Effective
H	149m E	Operator: E C DRUMMOND (AGRICULTURE) LTD Installation Name: Hempnall Poultry Farm EPR/RP3531AZ Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: RP3531AZ Original Permit Number: RP3531AZ	EPR Reference: EPR/RP3531AZ Issue Date: 23/07/2015 Effective Date: 24/07/2025 Last date noted as effective: 07/01/2026 Status: Effective
H	149m E	Operator: MOY PARK LIMITED Installation Name: Hempnall Poultry Farm EPR/GP3034MH Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: GP3034MH Original Permit Number: GP3034MH	EPR Reference: EPR/GP3034MH Issue Date: 13/09/2007 Effective Date: 01/09/2010 Last date noted as effective: 07/01/2026 Status: Superseded
H	149m E	Operator: Moy Park Ltd. Installation Name: Hempnall Poultry Farm EPR/GP3034MH Process: ASSOCIATED PROCESS Permit Number: EP3930HZ Original Permit Number: GP3034MH	EPR Reference: - Issue Date: 01/09/2010 Effective Date: 01/09/2010 Last date noted as effective: 21/03/2023 Status: Superceded
H	149m E	Operator: Moy Park Ltd. Installation Name: Hempnall Poultry Farm EPR/GP3034MH Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: EP3930HZ Original Permit Number: GP3034MH	EPR Reference: - Issue Date: 01/09/2010 Effective Date: 01/09/2010 Last date noted as effective: 21/03/2023 Status: Superceded
33	203m NE	Operator: Berries Direct Farming Ltd Installation Name: Spring Farm Process: MCP Permit Number: HP3628SC Original Permit Number: HP3628SC	EPR Reference: EPR/HP3628SC Issue Date: 24/10/2023 Effective Date: 18/10/2023 Last date noted as effective: 07/01/2026 Status: Effective
O	231m SE	Operator: BROOKE FARM LIMITED Installation Name: Littlebeck Poultry Farm Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: EP3330UN Original Permit Number: EP3330UN	EPR Reference: EPR/EP3330UN Issue Date: 28/09/2007 Effective Date: 28/09/2007 Last date noted as effective: 07/01/2026 Status: Superseded

ID	Location	Details	
O	231m SE	Operator: S KELLY FARMS LIMITED Installation Name: Littlebeck Poultry Farm EPR/TP3431HD Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: TP3431HD Original Permit Number: TP3431HD	EPR Reference: EPR/TP3431HD Issue Date: 02/03/2011 Effective Date: 20/10/2020 Last date noted as effective: 07/01/2026 Status: Effective
O	231m SE	Operator: STUART DAVIS LIMITED Installation Name: Littlebeck Poultry Farm Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: DP3832XX Original Permit Number: DP3832XX	EPR Reference: EPR/DP3832XX Issue Date: 13/05/2008 Effective Date: 13/05/2008 Last date noted as effective: 07/01/2026 Status: Superseded
O	231m SE	Operator: S Kelly Farms Ltd Installation Name: Littlebeck Poultry Farm EPR/TP3431HD Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: YP3530AA Original Permit Number: TP3431HD	EPR Reference: - Issue Date: 24/11/2015 Effective Date: 24/11/2015 Last date noted as effective: 21/03/2023 Status: Superceded
O	231m SE	Operator: S Kelly Farms Ltd Installation Name: Littlebeck Poultry Farm EPR/TP3431HD Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: UP3536FG Original Permit Number: TP3431HD	EPR Reference: - Issue Date: 09/02/2012 Effective Date: 09/02/2012 Last date noted as effective: 21/03/2023 Status: Superceded
O	231m SE	Operator: S Kelly Farms Limited Installation Name: Littlebeck Poultry Farm EPR/TP3431HD Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: HP3505SS Original Permit Number: TP3431HD	EPR Reference: - Issue Date: 20/10/2020 Effective Date: 20/10/2020 Last date noted as effective: 21/03/2023 Status: Effective
R	364m SW	Operator: CROWN CHICKEN LIMITED Installation Name: Grange Farm Poultry Unit EPR/ZP3631MF Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: BP3943QS Original Permit Number: BP3943QS	EPR Reference: EPR/BP3943QS Issue Date: 27/04/2022 Effective Date: 27/04/2022 Last date noted as effective: 07/01/2026 Status: Effective
R	364m SW	Operator: PA Buck and JV Buck Installation Name: Grange Farm Poultry Unit Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: JP3032CQ Original Permit Number: ZP3631MF	EPR Reference: - Issue Date: 24/07/2013 Effective Date: 24/07/2013 Last date noted as effective: 21/03/2023 Status: Superceded
R	364m SW	Operator: PA Buck and JV Buck Installation Name: Grange Farm Poultry Unit EPR/ZP3631MF Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: PP3734QZ Original Permit Number: ZP3631MF	EPR Reference: - Issue Date: 24/06/2020 Effective Date: 24/06/2020 Last date noted as effective: 21/03/2023 Status: Superceded

ID	Location	Details	
R	364m SW	Operator: PA Buck and JV Buck Installation Name: Grange Farm Poultry Unit EPR/ZP3631MF Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: TP3635VJ Original Permit Number: ZP3631MF	EPR Reference: - Issue Date: 06/05/2014 Effective Date: 06/05/2014 Last date noted as effective: 21/03/2023 Status: Superceded
R	377m SW	Operator: PA BUCK AND JV BUCK Installation Name: Grange Farm Poultry Unit EPR/ZP3631MF Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: ZP3631MF Original Permit Number: ZP3631MF	EPR Reference: EPR/ZP3631MF Issue Date: 21/09/2007 Effective Date: 24/06/2020 Last date noted as effective: 07/01/2026 Status: Superseded

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

4.12 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.

4.13 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 97 >**

ID	Location	Address	Details	
49	443m N	Brooke Equine Clinic, Wellesley Road, Tharston, Norwich, NR15 1DX	Operator: Chapelfield Veterinary Partnership Limited Type: - Permission number: VB3439DX Date of approval: -	Effective from: 22/08/2012 Last date of update: 01/01/2020 Status: Issued

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

4.14 Licensed Discharges to controlled waters

Records within 500m	50

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 97 >**

ID	Location	Address	Details	
5	24m W	BEECHCROFT, SILVER GREEN, HEMPNALL, NORWICH, NORFOLK, NR15 2NW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRKB3399NT Permit Version: 1 Receiving Water: TRIBUTORY OF RIVER TAS	Status: NEW ISSUED UNDER EPR 2010 Issue date: 05/11/2013 Effective Date: 05/11/2013 Revocation Date: -
6	24m S	HOLLIES FARM BARNS MORNINGTHORPE NO, MORNINGTHORPE, NORWICH, NR15	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRELF01103 Permit Version: 1 Receiving Water: Trib River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 12/07/1989 Effective Date: 12/07/1989 Revocation Date: 01/10/1996
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 7 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 31/03/2010 Effective Date: 31/03/2010 Revocation Date: 06/02/2012
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 4 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 17/02/2002 Effective Date: 01/04/2003 Revocation Date: 31/12/2005
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 7 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 31/03/2010 Effective Date: 31/03/2010 Revocation Date: 06/02/2012

ID	Location	Address	Details	
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 4 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 17/02/2002 Effective Date: 01/04/2003 Revocation Date: 31/12/2005
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 6 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 30/03/2010
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 5 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 17/02/2002 Effective Date: 01/01/2006 Revocation Date: 31/03/2009
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 8 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 07/02/2012 Effective Date: 07/02/2012 Revocation Date: 02/03/2015
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 5 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 17/02/2002 Effective Date: 01/01/2006 Revocation Date: 31/03/2009
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 6 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 30/03/2010

ID	Location	Address	Details	
B	42m S	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 9 Receiving Water: HEMPNALL BECK TO RIVER TAS NT	Status: VARIED UNDER EPR 2010 Issue date: 03/03/2015 Effective Date: 03/03/2015 Revocation Date: -
17	100m N	THE STREET, SAXLINGHAM NETHERGATE, NORFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PRENF01430 Permit Version: 1 Receiving Water: Trib River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 04/08/1989 Effective Date: 04/08/1989 Revocation Date: 13/02/1992
18	101m SW	THE FERNS SEWAGE TREATMENT SYSTEM, SILVER GREEN, HEMPNALL, NORWICH, NORFOLK, NR15 2NW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRVB3332AF Permit Version: 1 Receiving Water: A TRIBUTARY OF THE RIVER TAS	Status: NEW ISSUED UNDER EPR 2010 Issue date: 01/07/2013 Effective Date: 01/07/2013 Revocation Date: -
21	114m S	APPLE TREE FARM, SILVER GREEN, HEMPNALL, NORWICH, NORFOLK, NR15 2NW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF11086 Permit Version: 1 Receiving Water: tributary River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 10/09/1997 Effective Date: 10/09/1997 Revocation Date: -
22	116m E	ORCHARD FARM COTTAGE, SAXLINGHAM GREEN, SAXLINGHAM NETHERGATE, NOR., NR15 1TG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF01047 Permit Version: 1 Receiving Water: Trib River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 05/06/1989 Effective Date: 05/06/1989 Revocation Date: 04/02/1992
23	119m W	4 PROPS SILVER GREEN, HEMPNALL, NORWICH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR4NF440 Permit Version: 1 Receiving Water: Trib River Tas	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 10/03/1986 Effective Date: 10/03/1986 Revocation Date: 24/02/1992
G	133m SW	HEMPNALL SILVER GREEN, NORFOLK, NR15 2NW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: PRENF2803 Permit Version: 2 Receiving Water: Trib River Tas	Status: SURRENDERED UNDER EPR 2010 Issue date: 09/01/1992 Effective Date: 09/01/1992 Revocation Date: 28/10/2016

ID	Location	Address	Details	
G	133m SW	HEMPNALL SILVER GREEN, NORFOLK, NR15 2NW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF2803 Permit Version: 1 Receiving Water: Trib River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 30/05/1990 Effective Date: 30/05/1990 Revocation Date: 08/01/1992
E	152m N	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: UNSPECIFIED Permit Number: AW4NF571X1 Permit Version: 1 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 07/03/1967 Effective Date: 07/03/1967 Revocation Date: 14/08/1992
E	152m N	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 1 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 15/06/1985 Effective Date: 15/06/1985 Revocation Date: 17/09/1989
E	152m N	HEMPNALL WATER RECYCLING CENTRE, HEMPNALLL, NORFOLK, NR15 2QX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF1045X Permit Version: 2 Receiving Water: Hempnall Beck River Tas NT	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 18/09/1989 Effective Date: 18/09/1989 Revocation Date: 31/03/2003
30	186m W	WELLMEADOW COTTAGE, NORWICH ROAD, LONG STRATTON, NORWICH, NORFOLK, NR15 2PY	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRELF01961 Permit Version: 1 Receiving Water: land	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 06/12/1989 Effective Date: 06/12/1989 Revocation Date: -
31	187m NE	PLOT AT OLD MILL COTTAGE, FIELD LANE, HEMPNALL, NORWICH, NR15 2PB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRUB3999AA Permit Version: 1 Receiving Water: GROUNDWATER VIA DRAINAGE FIELD	Status: NEW ISSUED UNDER EPR 2010 Issue date: 04/04/2022 Effective Date: 04/04/2022 Revocation Date: -
K	189m N	ENTERPRISE HOUSE, HARVEY'S LANE, SEETHING, NORFOLK, NR15 1EN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF13827 Permit Version: 1 Receiving Water: TRIBUTARY OF BROOME BECK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 02/10/2001 Effective Date: 28/09/2001 Revocation Date: 02/02/2005

ID	Location	Address	Details	
N	213m NE	OAKS FARM BARN, SPRINGWOOD, WOODTON, BUNGAY, SUFFOLK, NR35 2NF	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF04195 Permit Version: 1 Receiving Water: Trib of River Waveney	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 14/03/1991 Effective Date: 14/03/1991 Revocation Date: 07/01/1992
N	213m NE	OAKS FARM BARN, SPRINGWOOD, WOODTON, BUNGAY, SUFFOLK, NR35 2NF	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF04196 Permit Version: 1 Receiving Water: Trib of River Waveney	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 15/03/1991 Effective Date: 15/03/1991 Revocation Date: 07/01/1992
M	215m W	LATH GREEN BARNS, WASH LANE, SHOTESHAM, NORFOLK, NR15 1XX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF10876 Permit Version: 1 Receiving Water: tributary River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 14/03/1997 Effective Date: 14/03/1997 Revocation Date: 01/05/1997
37	216m E	ROSEDENE LITTLE BECK LA, BROOKE, NORFOLK, NR15 1ET	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF08350 Permit Version: 1 Receiving Water: Trib River Chet	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 04/02/1993 Effective Date: 04/02/1993 Revocation Date: -
42	290m E	SPRING FARM, SPRING LANE, HEMPNALL, NORFOLK, NR15 2NY	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRBP3229GC Permit Version: 1 Receiving Water: UNNAMED DITCH	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/03/2013 Effective Date: 27/03/2013 Revocation Date: -
43	324m NE	MILLGATES SURGERY, MILL ROAD, HEMPNALL, NORWICH, NORFOLK, NR15 2LP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRELF13910 Permit Version: 1 Receiving Water: INTO LAND	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 29/04/2002 Effective Date: 19/03/2002 Revocation Date: -
44	328m S	PREMISES ADJACENT TO LIME TREE FARM, HEMPNALL, NORWICH, NORFOLK	Effluent Type: UNSPECIFIED Permit Number: PRELF02716 Permit Version: 1 Receiving Water: land	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 03/05/1990 Effective Date: 03/05/1990 Revocation Date: 15/10/1998

ID	Location	Address	Details	
P	332m N	THE COTTAGE, LODDON CORNER, KIRKSTEAD, NORWICH, NR15 1EE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRKB3949KZ Permit Version: 1 Receiving Water: DITCH TRIBUTARY OF LITTLE BECK	Status: NEW ISSUED UNDER EPR 2010 Issue date: 02/12/2024 Effective Date: 02/12/2024 Revocation Date: -
45	332m SE	LEY FARM BARNS, BAXTERS LANE, SHOTESHAM, NORWICH, NORFOLK, NR15 1XP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF01810 Permit Version: 1 Receiving Water: Trib Shotesham Stream	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 06/11/1989 Effective Date: 06/11/1989 Revocation Date: 09/01/1992
P	342m N	ALPHA HOUSE, LODDON CORNER, KIRSTEAD, NORWICH., NORFOLK, NR15 1EE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR4NF942X Permit Version: 1 Receiving Water: Trib River Chet	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 22/09/1982 Effective Date: 22/09/1982 Revocation Date: 20/09/1996
Q	349m N	ALBURGH ROAD NO.51, HEMPNALL, NORWICH, NORFOLK, NR15 2NS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF00935 Permit Version: 1 Receiving Water: Trib Hempnall Beck	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 30/05/1989 Effective Date: 30/05/1989 Revocation Date: 04/02/1992
Q	349m N	ALBURGH ROAD NO.51, HEMPNALL, NORWICH, NORFOLK, NR15 2NS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF00999 Permit Version: 1 Receiving Water: Trib Hempnall Beck	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 30/05/1989 Effective Date: 30/05/1989 Revocation Date: 23/01/1992
46	362m N	MORNINGTHORPE QUARRY, NORFOLK	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: PRENF00338 Permit Version: 1 Receiving Water: Hempnell Beck	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 16/12/1988 Effective Date: 16/12/1988 Revocation Date: 21/02/1992
S	380m N	RICKWOOD, SILVER GREEN, HEMPNALL, NORWICH, NORFOLK, NR15 2NN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF00404 Permit Version: 1 Receiving Water: Trib River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 11/01/1989 Effective Date: 11/01/1989 Revocation Date: 05/02/1992

ID	Location	Address	Details	
T	386m S	FERN COTTAGE, THE STREET, FRITTON, NORWICH, NORFOLK, NR15 2QT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRZB3590WR Permit Version: 2 Receiving Water: GROUNDWATER VIA INFILTRATION	Status: NEW ISSUED UNDER EPR 2010 Issue date: 05/10/2023 Effective Date: 05/10/2023 Revocation Date: -
Q	392m N	43 ALBURGH ROAD, HEMPNALL, NORFOLK, NR15 2NS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRVB3090AG Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 11/01/2022 Effective Date: 11/01/2022 Revocation Date: -
T	400m S	FERN COTTAGE, THE STREET, FRITTON, NORWICH, NORFOLK, NR15 2QT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRZB3590WR Permit Version: 1 Receiving Water: GROUNDWATER VIA INFILTRATION	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/10/2022 Effective Date: 27/10/2022 Revocation Date: 04/10/2023
U	400m S	FRITTON SCHOOL LANE STW, FRITTON, NORWICH, NORFOLK, NR15 2QN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF15020 Permit Version: 1 Receiving Water: TRIB RIVER TAS	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/06/2002 Effective Date: 26/06/2002 Revocation Date: 23/08/2006
U	400m S	FRITTON SCHOOL LANE STW, FRITTON, NORWICH, NORFOLK, NR15 2QN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF15020 Permit Version: 2 Receiving Water: TRIB RIVER TAS	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 23/08/2006 Effective Date: 23/08/2006 Revocation Date: 21/10/2007
S	412m N	HEATHER LODGE, SILVER GREEN, HEMPNALL, NORFOLK, NR15 2NW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF00461 Permit Version: 2 Receiving Water: Trib Hempnall Beck	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 27/01/1992 Effective Date: 27/01/1992 Revocation Date: 18/03/1992
S	412m N	HEATHER LODGE, SILVER GREEN, HEMPNALL, NORFOLK, NR15 2NW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF00461 Permit Version: 1 Receiving Water: Trib Hempnell Beck	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 02/02/1989 Effective Date: 02/02/1989 Revocation Date: 26/01/1992

ID	Location	Address	Details	
Q	419m N	ASHPRINGTON, SILVER GREEN, HEMPNALL, NORWICH., NORFOLK, NR15 2NN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF00474 Permit Version: 1 Receiving Water: Trib Hempnall Beck	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 02/02/1989 Effective Date: 02/02/1989 Revocation Date: 26/01/1992
V	451m W	MORNINGTHORPE HOUSEHOLD WASTE, RECYCLING CENTRE, BUNGAY ROAD, MORNINGTHORPE, NORFOLK, NR15 2LJ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRDB3491VD Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 21/01/2016 Effective Date: 10/04/2016 Revocation Date: -
50	460m SW	ST. HELENA ST, NORWICH ROAD, LONG STRATTON, NORWICH, NORFOLK, NR15 2PX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRXB3393WR Permit Version: 1 Receiving Water: GW VIA AN INFILTRATION SYSTEM	Status: NEW ISSUED UNDER EPR 2010 Issue date: 03/05/2022 Effective Date: 03/05/2022 Revocation Date: -
51	498m NE	THE MEADOW PS, HEMPNALL	Effluent Type: MISCELLANEOUS DISCHARGES - EMERGENCY DISCHARGES Permit Number: AEENF2662 Permit Version: 1 Receiving Water: R Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 02/01/1990 Effective Date: 02/01/1990 Revocation Date: 30/04/1992

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

4.15 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.

4.16 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.

4.17 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.

4.18 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 97 >**

ID	Location	Name	Status	Receiving Water	Authorised Substances
E	102m N	K K Hand Car Wash & Valeters	Not Active	Na	pH
E	102m N	Hempnall Stw	Not Active	-	-

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m	13

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 97 >**

ID	Location	Details	
A	34m SE	Incident Date: 05/04/2002 Incident Identification: 69328 Pollutant: Atmospheric Pollutants and Effects:Contaminated Water Pollutant Description: Smoke:Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
A	34m SE	Incident Date: 05/04/2002 Incident Identification: 69328 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

ID	Location	Details	
A	34m SE	Incident Date: 05/04/2002 Incident Identification: 69328 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
M	196m W	Incident Date: 06/11/2001 Incident Identification: 41347 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	196m N	Incident Date: 10/04/2016 Incident Identification: 1426227 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
I	196m N	Incident Date: 10/04/2016 Incident Identification: 1426227 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
I	196m N	Incident Date: 10/04/2016 Incident Identification: 1426227 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
40	246m E	Incident Date: 02/10/2002 Incident Identification: 112100 Pollutant: Specific Waste Materials Pollutant Description: Containers	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
R	359m SW	Incident Date: 16/03/2003 Incident Identification: 143429 Pollutant: Agricultural Materials and Wastes Pollutant Description: Slurry and Dilute Slurry	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
47	388m E	Incident Date: 26/02/2003 Incident Identification: 139673 Pollutant: Agricultural Materials and Wastes Pollutant Description: Slurry and Dilute Slurry	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
V	405m W	Incident Date: 23/09/2003 Incident Identification: 191841 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
V	431m W	Incident Date: 23/06/2003 Incident Identification: 169053 Pollutant: Agricultural Materials and Wastes Pollutant Description: Other Agricultural Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
48	438m E	Incident Date: 26/11/2002 Incident Identification: 127800 Pollutant: Agricultural Materials and Wastes Pollutant Description: Solid Manure	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.20 Pollution inventory substances

Records within 500m	**8**

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 97** >

ID: D, Location: 72m SE, 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: D, Location: 72m SE, 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	Particulate matter - PM10	1000kg	1861kg

ID: D, Location: 72m SE, 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	1937kg

ID: O, Location: 231m SE, 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: O, Location: 231m SE, 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	6280kg

ID: O, Location: 231m SE, 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

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

ID: R, Location: 364m 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	8212kg

ID: R, Location: 364m 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

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

4.21 Pollution inventory waste transfers

Records within 500m	**3**

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 97 >**

ID: D, Location: 72m SE, 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
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	8.4	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
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
R5	Recycling/reclamation of other inorganic materials	0.015	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes

ID: O, Location: 231m SE, 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 transformatin processes)	Below Reporting Threshold	Below Reporting Threshold	02 01 04	waste plastics (except packaging)	No
D4	Surface impoundment (eg placemcent 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 transformatin processes)	Below Reporting Threshold	Below Reporting Threshold	15 01 01	paper and cardboard 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 02	plastic packaging	No
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

ID: R, Location: 364m 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
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.

4.22 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 Geology (basic)

5.1 Superficial geology (625k)

Records within 500m	2

Generalised geology data based on BGS's published poster maps of the UK (North and South). Superficial related themes digitised from 1977 first edition Quaternary map (North and South).

Location	Lex code	Description	Rock type
On site	**TILL-DMTN**	**TILL**	**DIAMICTON**
350m NW	ALV-CLSS	ALLUVIUM	CLAY, SILT AND SAND

This data is sourced from the British Geological Survey.

5.2 Bedrock geology (625k)

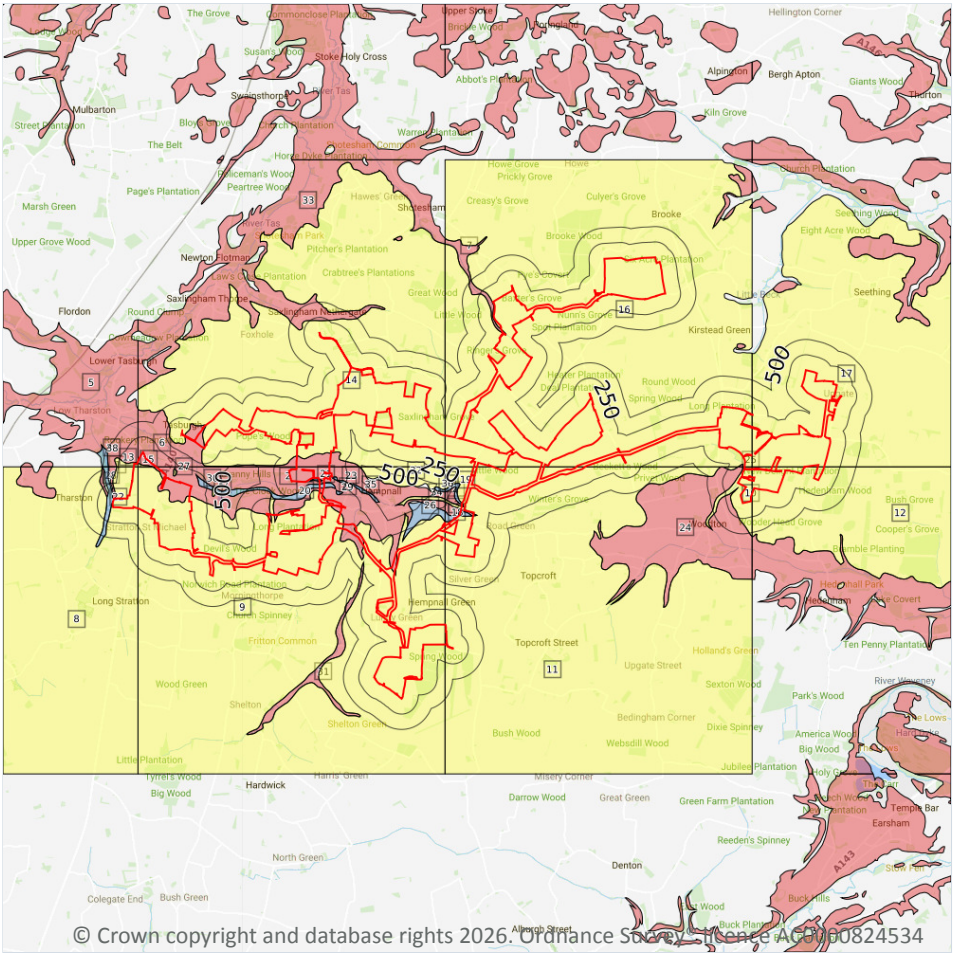
Records within 500m	2

Generalised geology data based on BGS's published poster maps of the UK (North and South). Bedrock related themes created through generalisation of 1:50,000 data.

Location	Lex code	Description	Rock type
On site	**NEOQ-GSSC**	**NEOGENE TO QUATERNARY ROCKS (UNDIFFERENTIATED)**	**GRAVEL, SAND, SILT AND CLAY**
On site	**WHCK-CHLK**	**WHITE CHALK SUBGROUP**	**CHALK**

This data is sourced from the British Geological Survey.

6 Hydrogeology - Superficial aquifer



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Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

6.1 Superficial aquifer

Records within 500m	38

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 123 >**

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

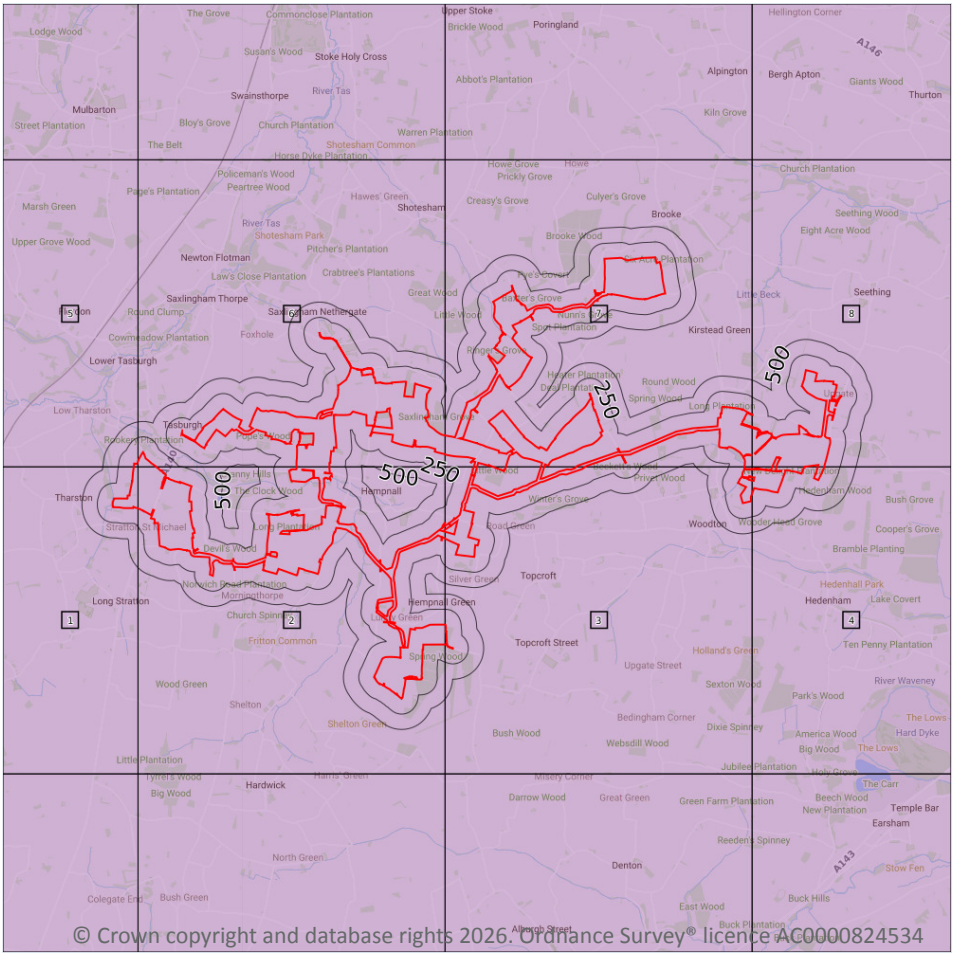
ID	Location	Designation	Description
3	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	On site	Secondary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

ID	Location	Designation	Description
16	**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**
17	**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**
18	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
19	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
20	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
21	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
22	6m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
23	21m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
24	25m NW	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
25	27m W	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
26	30m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
27	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
28	113m W	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
29	119m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
30	125m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
31	139m SW	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
32	195m S	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
33	196m 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
34	275m W	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
35	317m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
36	332m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
37	344m E	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
38	410m 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



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Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

6.2 Bedrock aquifer

Records within 500m	8

Aquifer status of groundwater held within bedrock geology.

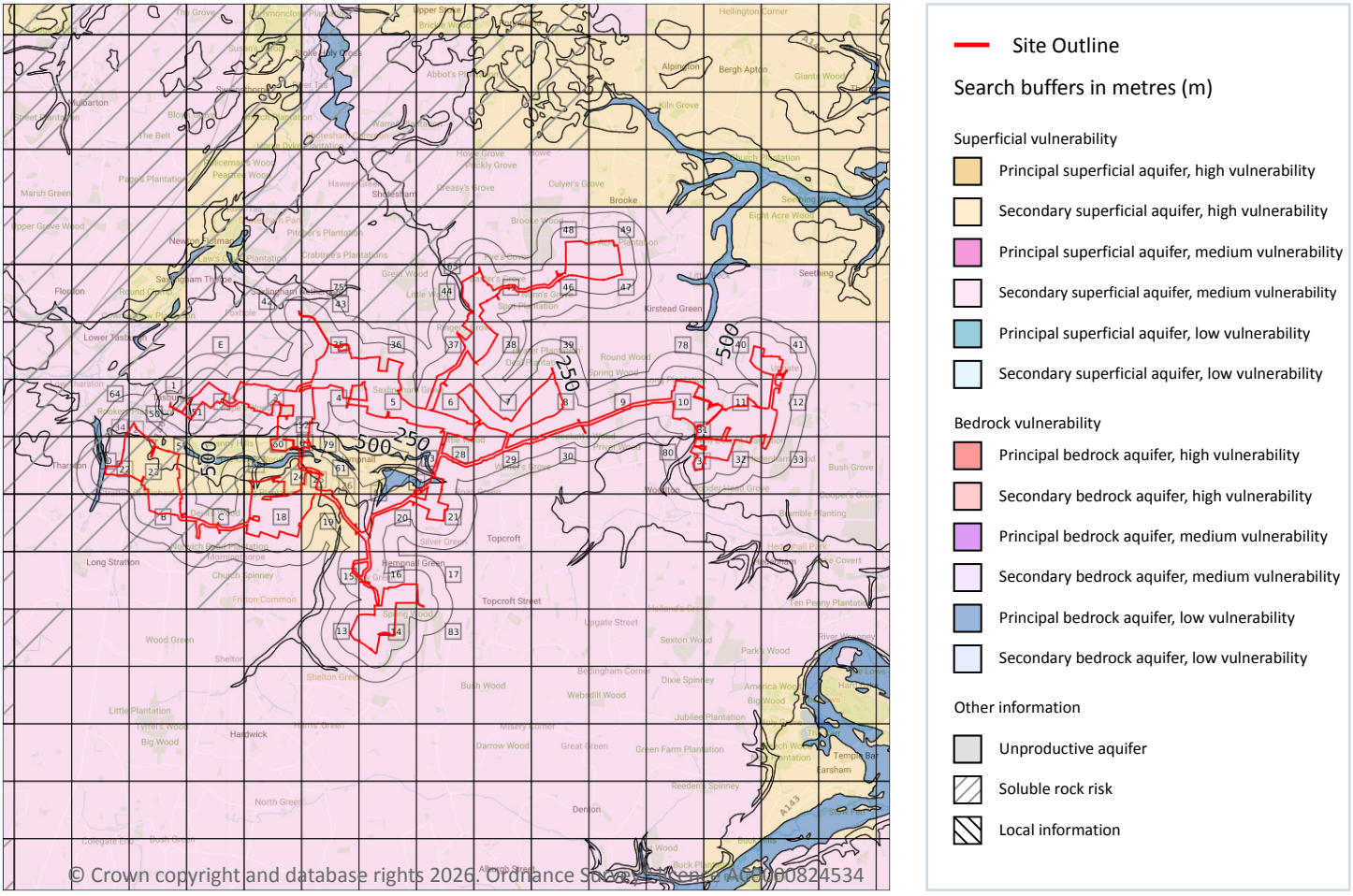
Features are displayed on the Bedrock aquifer map on **page 127 >**

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**
7	**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**
8	**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



6.3 Groundwater vulnerability

Records within 50m	81

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 129 >**

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

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

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

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

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

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

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

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

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

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

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

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

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

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
68	**On site**	**Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer**	**Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year**	**Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular**
69	**On site**	**Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer**	**Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year**	**Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular**
70	**On site**	**Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer**	**Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year**	**Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular**
D	6m W	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
78	21m N	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular
79	21m S	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
80	25m NW	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular
81	27m W	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular
82	30m N	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular
E	41m N	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
83	42m S	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular

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

6.4 Groundwater vulnerability- soluble rock risk

Records on site	11

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.**	**30.0%**
C	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**10.0%**
D	**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%**
71	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**1.0%**
72	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**91.0%**
73	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**0.0%**
74	**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.**	**1.0%**
75	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**19.0%**
76	**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%**
77	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**100.0%**

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

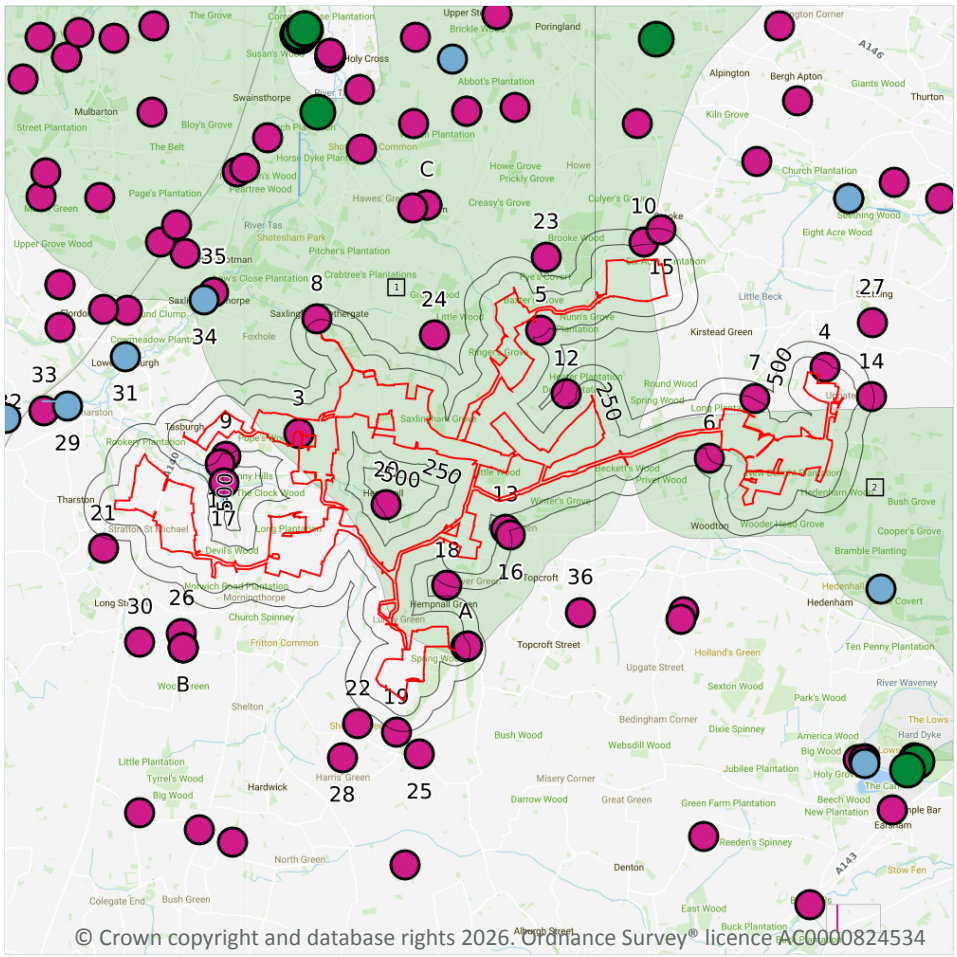
6.5 Groundwater vulnerability- local information

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 ↗.

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

Abstractions and Source Protection Zones



6.6 Groundwater abstractions

Records within 2000m	37

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 146 >**

ID	Location	Details	
3	30m W	Status: Historical Licence No: 7/34/14/*G/0025 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT GROVE FM,HEMPNALL Data Type: Point Name: SARGENT Easting: 622580 Northing: 295570	Annual Volume (m^3): 6600 Max Daily Volume (m^3): 18 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/10/1995 Version End Date: -
4	159m NE	Status: Historical Licence No: 7/34/15/*G/0028 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT GERRINS FM,SEETHING Data Type: Point Name: HEWITT Easting: 631150 Northing: 296650	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1973 Version End Date: -
5	160m SE	Status: Historical Licence No: 7/34/14/*G/0119 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT LEY FARM Data Type: Point Name: BONSER Easting: 626530 Northing: 297260	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/02/1995 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1995 Version End Date: -
A	180m E	Status: Historical Licence No: 7/34/18/*G/0090 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE, SPRING FM, HEMPNALL Data Type: Point Name: SPRING FARM NURSERIES LTD Easting: 625300 Northing: 292100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/10/1994 Expiry Date: - Issue No: 101 Version Start Date: 01/02/1999 Version End Date: -
A	213m E	Status: Active Licence No: AN/034/0018/009 Details: Trickle Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT SPRING FARM Data Type: Point Name: Berries Direct Farming Limited Easting: 625330 Northing: 292116	Annual Volume (m^3): 18500 Max Daily Volume (m^3): 132 Original Application No: NPS/NA/000084 Original Start Date: 13/10/2022 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 13/10/2022 Version End Date: -

ID	Location	Details	
6	248m SW	Status: Historical Licence No: 7/34/18/*G/0021 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL AT WOODTON GRANGE,WOODTON Data Type: Point Name: LONGE Easting: 629270 Northing: 295170	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1966 Version End Date: -
7	267m NE	Status: Active Licence No: 7/34/15/*G/0184 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT SASHLIGHT FM,KIRSTEAD Data Type: Point Name: BEN BURGESS FARMS Easting: 630010 Northing: 296150	Annual Volume (m^3): 11600 Max Daily Volume (m^3): 32 Original Application No: ES 3150 Original Start Date: 01/01/1980 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2021 Version End Date: -
8	268m N	Status: Historical Licence No: 7/34/14/*G/0013 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT SALLETTS FM,SAXLINGHAM Data Type: Point Name: EMMS BROS Easting: 622880 Northing: 297440	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -
9	299m S	Status: Historical Licence No: 7/34/14/*G/0113 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT HEMPNALL Data Type: Point Name: REEDER Easting: 621400 Northing: 295200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/03/1993 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1993 Version End Date: -
10	299m N	Status: Historical Licence No: 7/34/15/*G/0215 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT HIGH GREEN FARM Data Type: Point Name: FRANK SPURGEON LTD Easting: 628200 Northing: 298700	Annual Volume (m^3): 3800 Max Daily Volume (m^3): 18.4 Original Application No: - Original Start Date: 01/01/1995 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1995 Version End Date: -

ID	Location	Details	
11	313m SE	Status: Historical Licence No: 7/34/14/*G/0056 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL AT FAIRSTEAD FM,HEMPNALL Data Type: Point Name: SARGENT Easting: 621300 Northing: 295080	Annual Volume (m^3): 4545 Max Daily Volume (m^3): 18.18 Original Application No: - Original Start Date: 01/08/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1992 Version End Date: -
12	410m NW	Status: Historical Licence No: 7/34/14/*G/0032 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT WOODTON FM,SHOTESHAM Data Type: Point Name: PULL Easting: 626940 Northing: 296220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -
13	445m NE	Status: Historical Licence No: 7/34/14/*G/0045 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL AT MOAT FM,HEMPNALL Data Type: Point Name: ELLIS Easting: 625950 Northing: 294010	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1966 Version End Date: -
14	459m E	Status: Active Licence No: 7/34/15/*G/0179 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE N SIDE OF AIRFIELD,SEET'G Data Type: Point Name: RATTLEROW FARMS LTD Easting: 631910 Northing: 296170	Annual Volume (m^3): 24889 Max Daily Volume (m^3): 68 Original Application No: ES2353 Original Start Date: 01/07/1975 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2021 Version End Date: -
15	482m N	Status: Active Licence No: 7/34/15/*G/0072 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT PARK FM,BROOKE Data Type: Point Name: FRANK SPURGEON LTD Easting: 628490 Northing: 298890	Annual Volume (m^3): 13638 Max Daily Volume (m^3): 36.4 Original Application No: - Original Start Date: 01/08/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -

ID	Location	Details	
16	489m E	Status: Historical Licence No: 7/34/14/*G/0045 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL AT MOAT FM,HEMPNALL Data Type: Point Name: ELLIS Easting: 626030 Northing: 293920	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1966 Version End Date: -
17	497m E	Status: Historical Licence No: 7/34/14/*G/0002 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RES AT FRIARS FM,MORNINGTHORPE Data Type: Point Name: SARGENT Easting: 621360 Northing: 294780	Annual Volume (m^3): 44545 Max Daily Volume (m^3): 682 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1992 Version End Date: -
18	503m S	Status: Historical Licence No: 7/34/14/*G/0116 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT HEMPNALL Data Type: Point Name: WRIGHT Easting: 625000 Northing: 293100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/1994 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1994 Version End Date: -
19	529m S	Status: Historical Licence No: 7/34/14/*G/0107 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT GRANGE FM,SHELTON Data Type: Point Name: JOHN BRADSHAW FARMS LTD Easting: 624170 Northing: 290710	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1987 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1987 Version End Date: -
20	602m NE	Status: Historical Licence No: 7/34/14/*G/0012 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT MANOR FM,HEMPNALL Data Type: Point Name: G H ALLEN FARMS LTD Easting: 624010 Northing: 294410	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -

ID	Location	Details	
21	675m S	Status: Historical Licence No: 7/34/14/*G/0128 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT PICTON ROAD, THARSTON, NORWICH Data Type: Point Name: SMITH Easting: 619400 Northing: 293700	Annual Volume (m^3): 5000 Max Daily Volume (m^3): 20 Original Application No: - Original Start Date: - Expiry Date: 31/12/2020 Issue No: 1 Version Start Date: 21/05/2001 Version End Date: -
22	723m SW	Status: Historical Licence No: 7/34/14/*G/0035 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT SHELTON GREEN Data Type: Point Name: STYLES Easting: 623550 Northing: 290850	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1966 Version End Date: -
23	723m NE	Status: Historical Licence No: 7/34/14/*G/0087 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT SCOTT PASTURE,HOWE Data Type: Point Name: BURGESS BROS Easting: 626610 Northing: 298450	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/10/1972 Expiry Date: - Issue No: 100 Version Start Date: 01/10/1972 Version End Date: -
24	869m N	Status: Historical Licence No: 7/34/14/*G/0089 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT LOW FM,SHOTESHAM Data Type: Point Name: EMMS BROS Easting: 624790 Northing: 297180	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/02/1973 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1973 Version End Date: -
25	912m S	Status: Historical Licence No: 7/34/14/*G/0106 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE OFF ROOM LANE,SHELTON Data Type: Point Name: WAVENEY VALLEY LAKES (NORFOLK) LTD Easting: 624550 Northing: 290350	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1987 Expiry Date: - Issue No: 101 Version Start Date: 23/04/2004 Version End Date: -

ID	Location	Details	
26	1048m SW	Status: Historical Licence No: 7/34/14/*G/0057 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE N OF WINDMILL,LONG ST'TON Data Type: Point Name: LEEDER Easting: 620680 Northing: 292320	Annual Volume (m^3): 8295 Max Daily Volume (m^3): 22.7 Original Application No: - Original Start Date: 01/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -
27	1157m NE	Status: Historical Licence No: 7/34/15/*G/0016 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT PARK MERE FM,SEETHING Data Type: Point Name: BALLS Easting: 631920 Northing: 297380	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -
B	1258m SW	Status: Historical Licence No: 7/34/14/*G/0110 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT LONG STRATTON Data Type: Point Name: LEEDER Easting: 620700 Northing: 292080	Annual Volume (m^3): 7298.18 Max Daily Volume (m^3): 19.99 Original Application No: - Original Start Date: 01/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -
B	1258m SW	Status: Historical Licence No: 7/34/14/*G/0110 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT LONG STRATTON Data Type: Point Name: LEEDER Easting: 620700 Northing: 292080	Annual Volume (m^3): 7298.18 Max Daily Volume (m^3): 19.99 Original Application No: - Original Start Date: 01/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -
B	1258m SW	Status: Historical Licence No: 7/34/14/*G/0110 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT LONG STRATTON Data Type: Point Name: LEEDER Easting: 620700 Northing: 292080	Annual Volume (m^3): 7298.18 Max Daily Volume (m^3): 19.99 Original Application No: - Original Start Date: 01/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -

ID	Location	Details	
28	1329m SW	Status: Historical Licence No: 7/34/14/*G/0094 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE E OF SHELTON HALL Data Type: Point Name: WAVENEY VALLEY LAKES (NORFOLK) LTD Easting: 623290 Northing: 290300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/02/1978 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1994 Version End Date: -
30	1558m S	Status: Historical Licence No: 7/34/14/*G/0057 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL AT HALL FM,LONG STRATTON Data Type: Point Name: LEEDER Easting: 620000 Northing: 292180	Annual Volume (m^3): 8295 Max Daily Volume (m^3): 22.7 Original Application No: - Original Start Date: 01/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -
33	1746m NW	Status: Active Licence No: 7/34/14/*G/0096 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE NR CHAMUSCA LOW THARSTON Data Type: Point Name: BARNES Easting: 618440 Northing: 295950	Annual Volume (m^3): 10900 Max Daily Volume (m^3): 30 Original Application No: - Original Start Date: 01/12/1980 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2021 Version End Date: -
35	1887m W	Status: Historical Licence No: 7/34/14/*G/0075 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT THE MILL,SAX.THORPE Data Type: Point Name: W L DUFFIELD & SONS LTD Easting: 621200 Northing: 297880	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/05/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1967 Version End Date: -
36	1908m SE	Status: Historical Licence No: 7/34/18/*G/0023 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL AT TOPCROFT HALL,TOPCROFT Data Type: Point Name: JOHN UNWIN FARMS LTD Easting: 627170 Northing: 292660	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1966 Version End Date: -

ID	Location	Details	
C	1957m NW	Status: Active Licence No: 7/34/14/*G/0095 Details: Make-Up Or Top Up Water Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT SHOTESHAM ALL SAINTS Data Type: Point Name: CRAVENSWORD LTD Easting: 624670 Northing: 299300	Annual Volume (m^3): 2300 Max Daily Volume (m^3): 113 Original Application No: ES2841 Original Start Date: 01/05/1981 Expiry Date: - Issue No: 102 Version Start Date: 21/04/2005 Version End Date: -
C	1957m NW	Status: Historical Licence No: 7/34/14/*G/0095 Details: Fish Farm/Cress Pond Throughflow Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT SHOTESHAM ALL SAINTS Data Type: Point Name: TUNNICLIFFE Easting: 624670 Northing: 299300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/05/1981 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1998 Version End Date: -

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

6.7 Surface water abstractions

Records within 2000m	**4**

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 146 >**

ID	Location	Details	
29	1478m NW	Status: Active Licence No: 7/34/14/*S/0082 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: R TAS AT THARSTON Data Type: Point Name: BARNES Easting: 618820 Northing: 296020	Annual Volume (m^3): 40500 Max Daily Volume (m^3): 328 Original Application No: - Original Start Date: 01/06/1967 Expiry Date: - Issue No: 100 Version Start Date: 09/06/2011 Version End Date: -

ID	Location	Details	
31	1597m NW	Status: Active Licence No: 7/34/14/*S/0123 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: RIVER TAS AT FLORDON Data Type: Point Name: ELLIS Easting: 619760 Northing: 296830	Annual Volume (m^3): 18200 Max Daily Volume (m^3): 224 Original Application No: ES2186 Original Start Date: 01/05/1998 Expiry Date: - Issue No: 101 Version Start Date: 19/01/2001 Version End Date: -
32	1621m NW	Status: Historical Licence No: 7/34/14/*S/0127 Details: Spray Irrigation - Storage Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: RIVER TAS IN LOW THARSTON, NORFOLK Data Type: Line Name: BRIGHTON Easting: 618400 Northing: 296100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: 31-Mar-20 Issue No: 1 Version Start Date: 24/10/2000 Version End Date: -
34	1838m N	Status: Historical Licence No: 7/34/14/*S/0054 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER SOURCE OF SUPPLY Point: R TAS AT NEWTON FLOTMAN Data Type: Point Name: J L BRIGHTON (FARMERS) LTD Easting: 621050 Northing: 297750	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/06/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/1999 Version End Date: -

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

6.8 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.

6.9 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 146 >**

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.

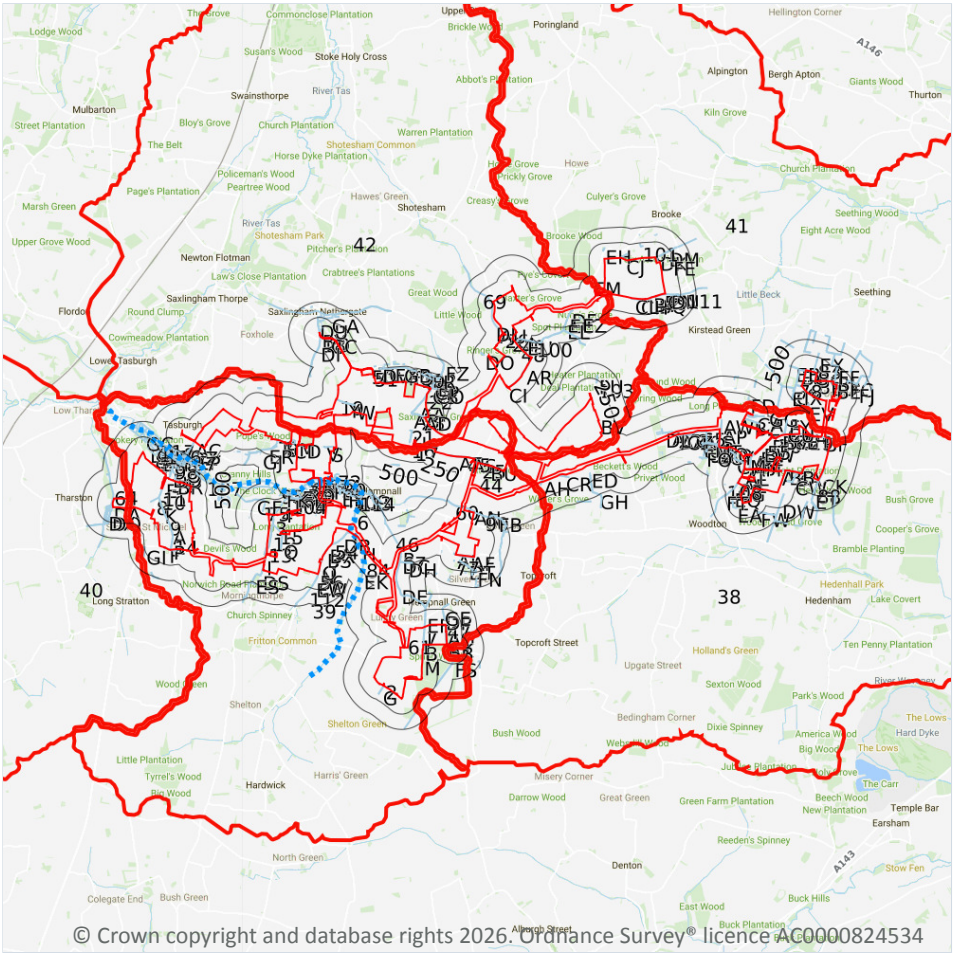
6.10 Source Protection Zones (confined aquifer)

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.

7 Hydrology



7.1 Water Network (OS MasterMap)

Records within 250m	556

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 157 >**

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	Lake, loch or reservoir.	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	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.	Underground	Watercourse contains water year round (in normal circumstances)	-
8	On site	Inland river not influenced by normal tidal action.	On ground surface	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.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
16	On site	Lake, loch or reservoir.	On ground surface	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.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
20	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
21	On site	Lake, loch or reservoir.	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.	Underground	Watercourse contains water year round (in normal circumstances)	-

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

ID	Location	Type of water feature	Ground level	Permanence	Name
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.	Underground	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.	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)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
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)	-
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.	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.	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.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
BA	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)	-
BA	On site	Lake, loch or reservoir.	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)	-
BB	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)	-
AC	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)	-
AD	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)	-
BD	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.	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)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
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.	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)	-
BG	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)	-
BH	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.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	On site	Inland river not influenced by normal tidal action.	Underground	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)	-
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
AK	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)	-
AL	On site	Inland river not influenced by normal tidal action.	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)	-
BM	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)	-
BM	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)	-
AP	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)	-
AQ	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
AQ	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.	Underground	Watercourse contains water year round (in normal circumstances)	-
AQ	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)	-
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)	-
AT	On site	Inland river not influenced by normal tidal action.	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)	-
AV	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AV	On site	Inland river not influenced by normal tidal action.	Underground	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)	-
AW	On site	Inland river not influenced by normal tidal action.	Underground	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)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AX	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)	-
AZ	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
45	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)	-
AL	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.	Underground	Watercourse contains water year round (in normal circumstances)	-
46	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AL	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
47	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
48	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)	-
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
O	**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)**	**-**
AL	1m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BQ	1m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
BR	1m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
49	1m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BS	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BU	1m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BU	1m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
50	1m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BV	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
51	1m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
52	1m NW	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
AK	1m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BX	1m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BX	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BW	2m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AQ	2m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
53	2m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	2m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	2m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CA	2m SE	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
BZ	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
54	2m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AJ	2m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BT	2m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Little Beck
BT	2m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
CB	2m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CC	2m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
55	2m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BT	2m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
AL	2m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CE	2m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BH	3m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CB	4m SE	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
56	4m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
57	5m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CA	5m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CD	5m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CG	5m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	5m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BT	5m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Little Beck
M	5m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CI	6m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	7m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CJ	7m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CH	7m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
AL	7m 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
BT	7m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Little Beck
CL	8m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
CM	8m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CB	8m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CL	8m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Little Beck
59	8m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Little Beck
CN	9m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
CK	9m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AQ	9m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CO	9m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CP	9m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	10m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
60	10m 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
AL	10m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	10m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AQ	10m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CQ	10m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	11m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AF	11m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CI	11m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CR	12m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CS	12m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CT	12m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	12m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	12m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CU	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
CI	13m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CI	13m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CV	13m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
61	13m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	13m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CW	14m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CT	15m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CX	15m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
63	16m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
64	16m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BP	16m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
65	16m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CY	17m 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
BP	18m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CZ	19m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CZ	19m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
66	22m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	23m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CZ	23m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DA	23m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	24m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DB	24m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	26m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	26m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	27m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
67	28m 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
DC	29m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DD	30m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DF	31m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
69	31m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DE	31m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DH	34m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
70	40m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	41m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
71	41m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BP	41m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	43m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DA	44m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	44m 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
DI	45m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DJ	47m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
72	47m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DK	48m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	49m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	49m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CY	50m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
74	54m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	54m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	56m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DK	57m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BY	58m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DL	59m NW	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
DM	60m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	61m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Little Beck
DL	61m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BO	63m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BO	63m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	65m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
BY	65m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DO	66m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	67m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DA	71m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DP	71m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
75	71m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DQ	79m 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
DS	85m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DT	85m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
77	87m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	87m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DS	92m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	93m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	93m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DU	93m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	93m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
78	93m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	97m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
T	97m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
79	99m SE	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
80	99m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	101m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DW	101m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DX	102m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	102m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DO	104m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DO	104m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DO	105m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DZ	106m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	106m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	106m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DO	107m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	110m 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
DY	110m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DD	112m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DX	114m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EB	118m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	118m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BP	120m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
81	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	120m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EA	121m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ED	122m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BP	122m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	123m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	123m 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
EF	123m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EC	124m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
82	124m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	124m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
83	124m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DS	124m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EH	125m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CT	127m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CT	127m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	127m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	130m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CT	130m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
84	130m 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
EI	130m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EJ	132m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EK	132m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DL	132m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EL	133m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ED	133m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EF	133m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	135m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EM	136m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DS	136m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CT	137m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EO	138m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EP	138m 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
EQ	138m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
ER	140m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ES	140m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	141m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
88	142m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EQ	142m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EP	143m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	144m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ET	147m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	147m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EU	148m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EV	149m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EA	150m 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
EU	150m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	150m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	151m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	151m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EW	151m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EI	152m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	153m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EI	153m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EW	153m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	153m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
ED	154m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	154m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	154m E	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
DV	154m E	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.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EX	155m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
90	155m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EE	155m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	155m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
92	157m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EA	158m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	159m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EY	159m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	159m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
DY	160m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EZ	160m 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
FA	160m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	160m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FB	161m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EA	161m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DY	162m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
94	162m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	163m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	163m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	163m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	166m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DU	166m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	167m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	169m 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
EG	169m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	169m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	169m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DY	169m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EP	169m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EW	170m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
95	170m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	170m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	170m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
96	170m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CT	171m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FC	172m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EW	175m 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
DY	176m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
97	176m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	177m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FE	177m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EH	177m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FD	177m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FD	177m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	177m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	177m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
98	180m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EU	181m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
ED	181m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EN	181m 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
DV	181m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EI	183m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	184m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	184m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
100	184m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FF	184m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
ED	185m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	186m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FG	186m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	186m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
101	187m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	188m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
102	188m N	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
FC	189m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DV	189m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EP	190m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FH	190m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EI	191m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FH	191m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FI	192m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FH	192m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FH	193m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EZ	193m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
103	193m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FJ	194m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FD	194m 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
DU	195m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DU	196m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FL	196m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FD	196m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	197m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	197m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DV	197m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
104	198m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FM	198m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	199m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DX	200m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DX	200m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DU	201m 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
FF	201m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	201m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DY	201m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DU	202m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FN	202m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FO	203m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EQ	204m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
106	204m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	204m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FK	205m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
107	205m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FM	205m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FM	205m S	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
EI	205m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	205m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	206m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FQ	206m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FQ	206m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
108	206m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	206m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	206m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EF	206m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EI	206m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FR	206m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	206m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FS	206m 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
EI	207m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FT	207m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	207m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	207m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FS	207m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	207m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
109	207m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	208m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FM	208m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EI	208m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	208m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FU	210m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	213m 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
EN	214m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DN	215m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Little Beck
EF	215m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
110	216m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FW	216m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FX	216m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FY	217m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DU	218m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EN	218m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	218m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FZ	219m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	219m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FY	220m NW	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
DN	220m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
DX	220m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DX	220m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	221m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	222m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DU	222m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FF	222m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	223m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	223m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GC	223m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
111	224m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Little Beck
EF	226m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GE	227m N	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
GF	227m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
112	228m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
FI	229m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
GB	229m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GG	230m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	231m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GE	231m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
113	233m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
114	233m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FW	234m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GA	235m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	235m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DU	235m 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	239m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DU	239m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
116	241m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	241m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	242m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EE	242m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GH	242m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DU	242m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
117	243m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	244m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	244m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	244m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GI	245m 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
FF	245m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EP	245m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FF	246m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
GJ	246m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EN	248m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FN	248m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FN	248m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
FN	249m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EN	249m NE	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®.

7.2 Surface water features

Records within 250m	**183**

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 157 >**

This data is sourced from the Ordnance Survey®.

7.3 WFD Surface water body catchments

Records on site	5

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 157 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
38	**On site**	**River**	**Broome Beck**	**GB105034045930**	**Waveney**	**Broadland Rivers**
39	**On site**	**River**	**Hempnall Beck**	**GB105034045720**	**Yare**	**Broadland Rivers**
40	**On site**	**River**	**Tas (Head to Tasburgh)**	**GB105034045730**	**Yare**	**Broadland Rivers**
41	**On site**	**River**	**Chet**	**GB105034051190**	**Yare**	**Broadland Rivers**
42	**On site**	**River**	**Tas (Tasburgh to R. Yare)**	**GB105034051230**	**Yare**	**Broadland Rivers**

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

7.4 WFD Surface water bodies

Records identified	5

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 157 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
43	**On site**	**River**	**Hempnall Beck**	**GB105034045720**	**Poor**	**Fail**	**Poor**	**2019**
-	725m S	River	Broome Beck	GB105034045930	Moderate	Fail	Moderate	2019
-	1038m NW	River	Tas (Tasburgh to R. Yare)	GB105034051230	Moderate	Fail	Moderate	2019
-	1038m NW	River	Tas (Head to Tasburgh)	GB105034045730	Moderate	Fail	Moderate	2019

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2028m NE	River	Chet	GB105034051190 ↗	Poor	Fail	Poor	2019

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

7.5 WFD Groundwater bodies

Records on site	**1**

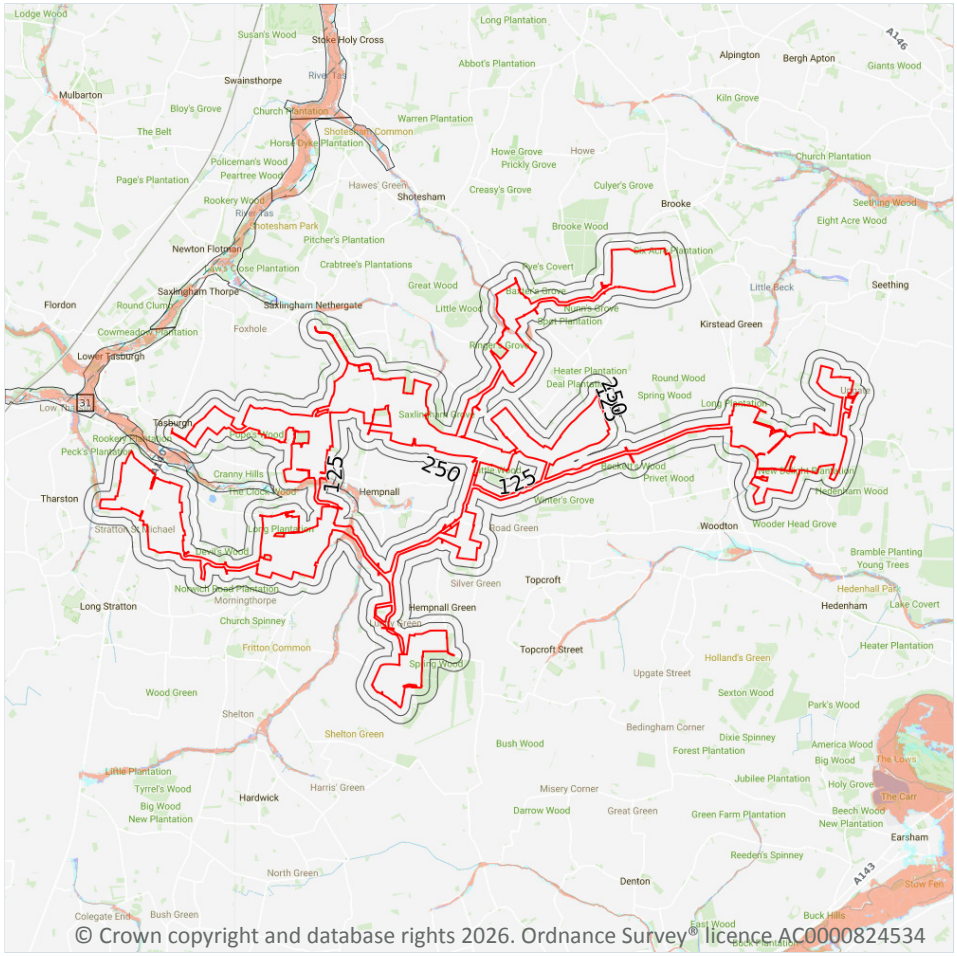
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 157 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
44	**On site**	**Broadland Rivers Chalk & Crag**	**GB40501G400300 ↗**	**Poor**	**Poor**	**Poor**	**2019**

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

8 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

8.1 Risk of flooding from rivers and the sea

Records within 50m	41

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 203 >**

Distance	Flood risk category
On site	**High**
0 - 50m	High

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

8.2 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 203 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
31	139m NE	1968 September Flood Outline	1968-01-12 1968-01-15	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

8.3 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.

8.4 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.

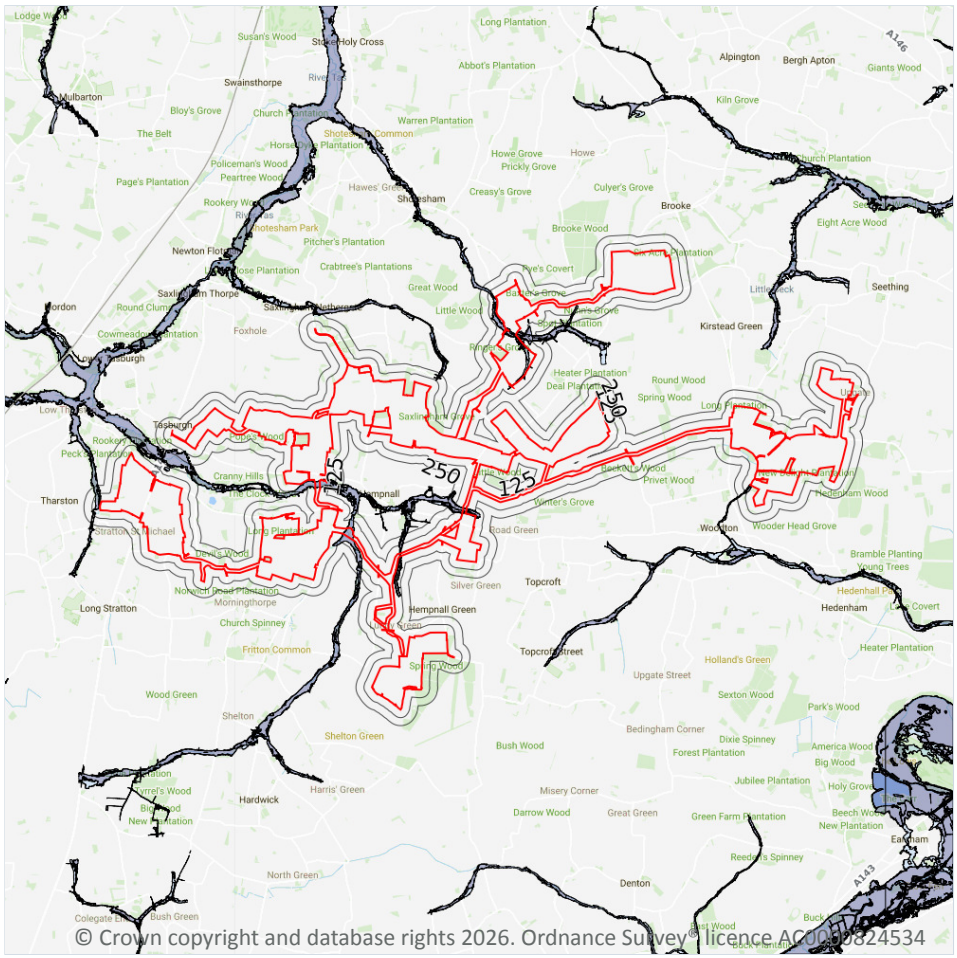
8.5 Flood Storage Areas

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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Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

8.6 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 203 >**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

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

8.7 Flood Zone 3

Records within 50m	1

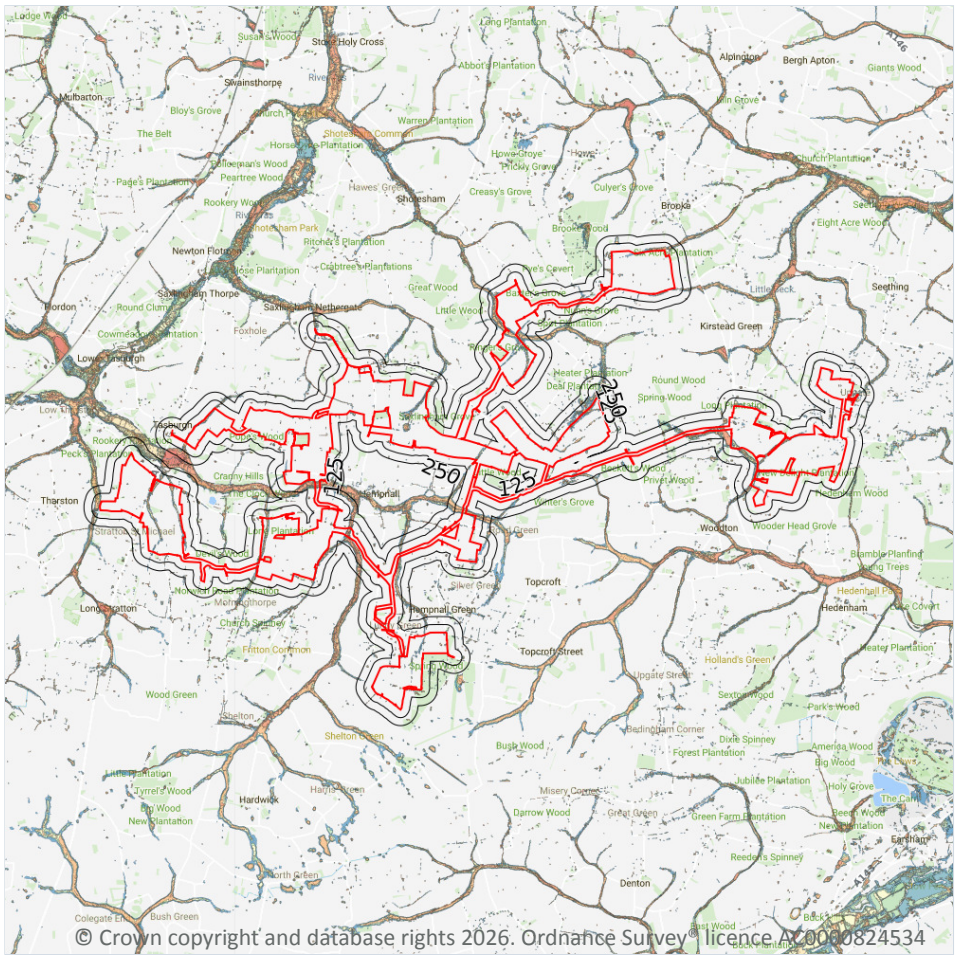
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 203 >**

Location	Type
On site	**Zone 3 - (Fluvial /Tidal Models)**

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

9 Surface water flooding



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

9.1 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 208 >**

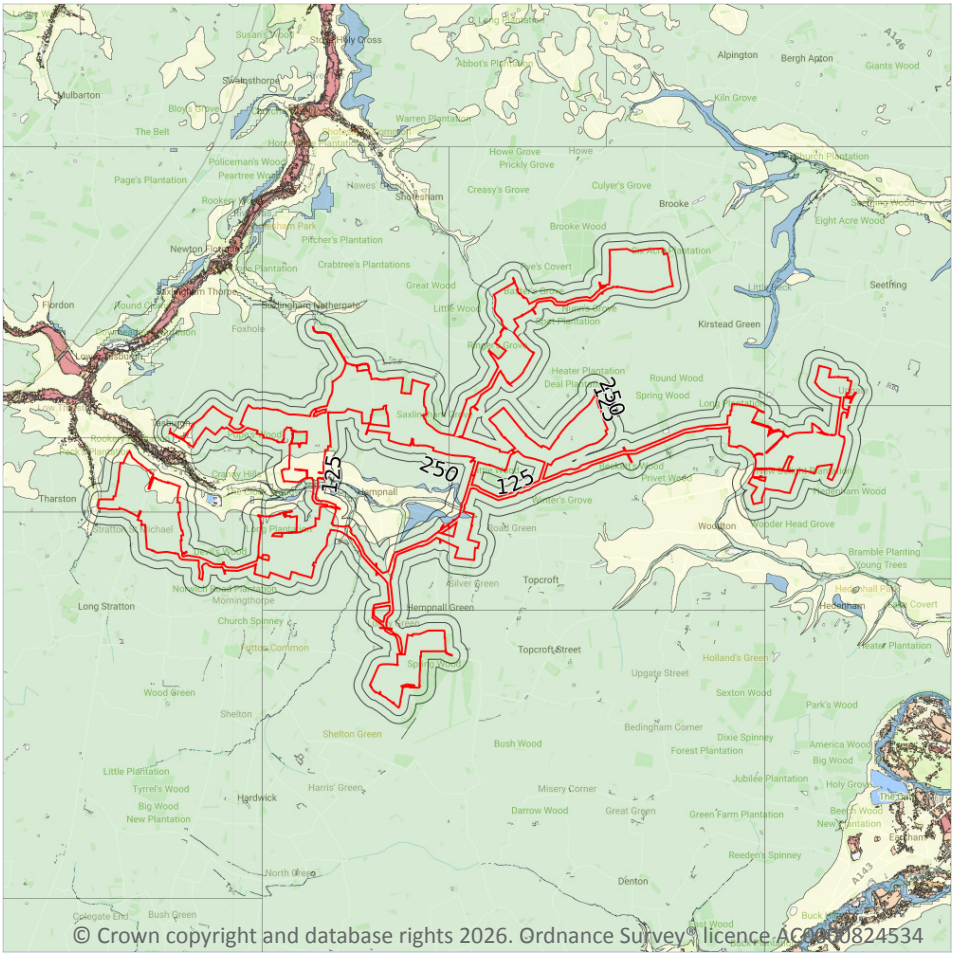
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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.

10 Groundwater flooding



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

10.1 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 210 >**

This data is sourced from Ambiental Risk Analytics.

11 Environmental designations

Site Outline

Search buffers in metres (m)

- Sites of Special Scientific Interest (SSSI)
- Conserved wetland sites (Ramsar sites)
- Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- Local Nature Reserves (LNR)
- Designated Ancient Woodland

11.1 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 211 >**

ID	Location	Name	Data source
A	**On site**	**Shotesham-Woodton Hornbeam Woods SSSI**	**Natural England**

ID	Location	Name	Data source
B	**On site**	**Shotesham-Woodton Hornbeam Woods SSSI**	**Natural England**
D	142m W	Shotesham-Woodton Hornbeam Woods SSSI	Natural England
E	146m E	Hedenham Wood SSSI	Natural England
F	299m SE	Shotesham-Woodton Hornbeam Woods SSSI	Natural England
11	603m S	Fritton Common SSSI	Natural England
G	1727m SE	Tindall Wood, Ditchingham SSSI	Natural England
21	1815m NW	Shotesham Common SSSI	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.2 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.

11.3 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.

11.4 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.

11.5 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.

11.6 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 211 >**

ID	Location	Name	Data source
19	1247m NW	Smockmill Common	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.7 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 211 >**

ID	Location	Name	Woodland Type
1	**On site**	**Doylys Grove**	**Ancient Replanted Woodland**
2	**On site**	**Popes Wood**	**Ancient Replanted Woodland**
3	**On site**	**Ringers Grove**	**Ancient & Semi-Natural Woodland**
A	**On site**	**Little Wood**	**Ancient & Semi-Natural Woodland**
B	**On site**	**Saxlingham Grove**	**Ancient & Semi-Natural Woodland**
4	2m E	Spring Wood	Ancient Replanted Woodland

ID	Location	Name	Woodland Type
5	35m SE	Becketts Wood	Ancient & Semi-Natural Woodland
C	133m NW	Unknown	Ancient & Semi-Natural Woodland
D	142m W	Little Wood	Ancient & Semi-Natural Woodland
E	146m E	Hedenham Wood	Ancient & Semi-Natural Woodland
6	152m W	Brooke Wood	Ancient Replanted Woodland
7	178m NE	Green Farm Grove	Ancient & Semi-Natural Woodland
8	182m SE	Hedenham Wood	Ancient Replanted Woodland
9	183m SE	Privet Wood	Ancient & Semi-Natural Woodland
10	208m W	Brooke Wood	Ancient & Semi-Natural Woodland
C	249m NW	Unknown	Ancient Replanted Woodland
F	300m SE	Winters Grove	Ancient & Semi-Natural Woodland
12	613m NW	Unknown	Ancient Replanted Woodland
13	681m NW	Unknown	Ancient & Semi-Natural Woodland
14	738m W	Great Wood	Ancient Replanted Woodland
15	778m NW	Great Wood	Ancient & Semi-Natural Woodland
16	856m SE	Long Row	Ancient & Semi-Natural Woodland
17	880m W	Great Wood	Ancient & Semi-Natural Woodland
18	1079m S	The Grove	Ancient Replanted Woodland
G	1609m SE	Tindall Wood	Ancient & Semi-Natural Woodland
20	1685m N	Howe Grove	Ancient Replanted Woodland
22	1945m SE	Tindall Wood	Ancient Replanted Woodland
23	1957m SE	Tindall Wood	Ancient Replanted Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.8 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.

11.9 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.

11.10 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.

11.11 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.

11.12 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.

11.13 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.

11.14 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.

11.15 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.

11.16 Nitrate Vulnerable Zones

Records within 2000m	17

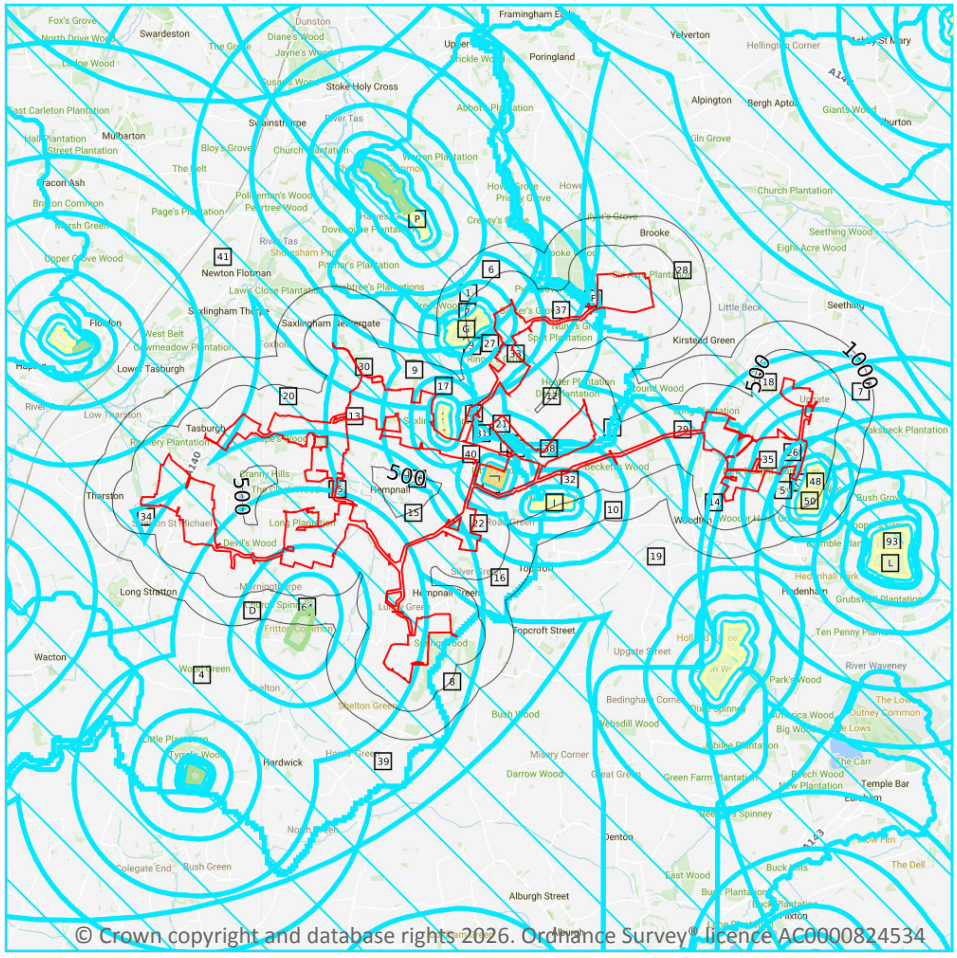
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**Hempnall Beck NVZ**	**Surface Water**	**394**	**Existing**
On site	**Hempnall Beck NVZ**	**Surface Water**	**394**	**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	**Norwich Crag and Gravels**	**Groundwater**	**79**	**Existing**

Location	Name	Type	NVZ ID	Status
On site	**Norwich Crag and Gravels**	**Groundwater**	**79**	**Existing**
3m N	River Waveney NVZ	Surface Water	396	Existing
23m N	Hempnall Beck NVZ	Surface Water	394	Existing
80m NW	Hempnall Beck NVZ	Surface Water	394	Existing
293m N	River Chet NVZ	Surface Water	399	Existing
338m N	River Chet NVZ	Surface Water	399	Existing
519m NW	Hempnall Beck NVZ	Surface Water	394	Existing
864m NW	Tas NVZ	Surface Water	395	Existing
1014m NW	Tas NVZ	Surface Water	395	Existing
1297m S	River Waveney NVZ	Surface Water	396	Existing
1392m S	Hempnall Beck NVZ	Surface Water	394	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

11.17 SSSI Impact Risk Zones

Records on site	52

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 218 >**

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101344211142&notes=11101+11409&location=625044,297890 %20(IRZ%20polygon%20centre)
2	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101344111142&notes=11101+11409&location=625027,297591 %20(IRZ%20polygon%20centre)

ID	Location	Type of developments requiring consultation
3	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044111140&notes=11101+11409&location=625435,297163 %20(IRZ%20polygon%20centre)
4	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044322302&notes=11101+11409&location=621853,289512 %20(IRZ%20polygon%20centre)
5	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044211152&notes=11409&location=630852,294626 %20(IRZ%20polygon%20centre)
6	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101344322242&notes=11101+11409&location=626053,298229 %20(IRZ%20polygon%20centre)
7	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322350&notes=11409&location=631408,296304 %20(IRZ%20polygon%20centre)
8	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530000&notes=11409&location=624925,291261 %20(IRZ%20polygon%20centre)
9	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322200&notes=11101+11409&location=624672,296589 %20(IRZ%20polygon%20centre)
10	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322200&notes=11409&location=627208,293575 %20(IRZ%20polygon%20centre)
11	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322350&notes=11409&location=627749,295456 %20(IRZ%20polygon%20centre)
12	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322350&notes=11101+11409&location=626985,296353 %20(IRZ%20polygon%20centre)
13	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322300&notes=11101+11409&location=623328,295925 %20(IRZ%20polygon%20centre)
14	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322300&notes=11409&location=629785,294803 %20(IRZ%20polygon%20centre)
15	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322300&notes=11101+11409&location=624219,294276 %20(IRZ%20polygon%20centre)
16	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322300&notes=11101+11409&location=625902,292925 %20(IRZ%20polygon%20centre)
17	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044211100&notes=11101+11409&location=624900,296312 %20(IRZ%20polygon%20centre)
18	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322350&notes=11409&location=630383,296346 %20(IRZ%20polygon%20centre)
19	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322300&notes=11409&location=628078,292760 %20(IRZ%20polygon%20centre)
20	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044430000&notes=11101+11409&location=621892,296544 %20(IRZ%20polygon%20centre)

ID	Location	Type of developments requiring consultation
21	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322250&notes=11101+11409&location=625878,295863 %20(IRZ%20polygon%20centre)
22	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322200&notes=11101+11409&location=625190,294315 %20(IRZ%20polygon%20centre)
23	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0303044211150&notes=11409&location=626152,295363 %20(IRZ%20polygon%20centre)
24	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0303044211150&notes=11101+11409&location=625436,295925 %20(IRZ%20polygon%20centre)
25	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530000&notes=11101+11409&location=623046,294649 %20(IRZ%20polygon%20centre)
26	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044211150&notes=11409&location=631109,295337 %20(IRZ%20polygon%20centre)
27	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044211140&notes=11101+11409&location=625802,297225 %20(IRZ%20polygon%20centre)
28	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044530050&notes=11409&location=630170,297929 %20(IRZ%20polygon%20centre)
29	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044530000&notes=11409&location=628860,295759 %20(IRZ%20polygon%20centre)
30	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322300&notes=11101+11409&location=623512,296784 %20(IRZ%20polygon%20centre)
31	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322200&notes=11101+11409&location=625602,295625 %20(IRZ%20polygon%20centre)
32	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0303044211100&notes=11409&location=627413,294602 %20(IRZ%20polygon%20centre)
33	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322240&notes=11101+11409&location=625980,296831 %20(IRZ%20polygon%20centre)
34	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044430000&notes=11101+11409&location=619691,294167 %20(IRZ%20polygon%20centre)
35	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322250&notes=11409&location=631132,295706 %20(IRZ%20polygon%20centre)
36	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322200&notes=11101+11409&location=624596,294709 %20(IRZ%20polygon%20centre)
37	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044322340&notes=11101+11409&location=626626,297081 %20(IRZ%20polygon%20centre)
38	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322250&notes=11409&location=626455,295406 %20(IRZ%20polygon%20centre)

ID	Location	Type of developments requiring consultation
39	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530000&notes=11101+11409&location=624428,290507 %20(IRZ%20polygon%20centre)
40	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0303044211100&notes=11101+11409&location=625465,295176 %20(IRZ%20polygon%20centre)
41	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044430000&notes=11101+11409&location=621116,296775 %20(IRZ%20polygon%20centre)
A	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=1000000000000&notes=&location=624899,295808 %20(IRZ%20polygon%20centre)
A	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044111100&notes=11101+11409&location=624899,295413 %20(IRZ%20polygon%20centre)
A	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=2000000000000&notes=11101+11409&location=624899,295522 %20(IRZ%20polygon%20centre)
B	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=1000000000000&notes=&location=625808,294849 %20(IRZ%20polygon%20centre)
B	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044111100&notes=11101+11409&location=625802,295125 %20(IRZ%20polygon%20centre)
B	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=2000000000000&notes=11101+11409&location=625802,294687 %20(IRZ%20polygon%20centre)
C	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044111152&notes=11409&location=631341,295119 %20(IRZ%20polygon%20centre)
D	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044322201&notes=11101+11409&location=621438,292224 %20(IRZ%20polygon%20centre)
E	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0303044211150&notes=11101+11409&location=626045,295425 %20(IRZ%20polygon%20centre)
E	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322250&notes=11101+11409&location=626037,295444 %20(IRZ%20polygon%20centre)
F	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044322350&notes=11409&location=627502,298074 %20(IRZ%20polygon%20centre)

This data is sourced from Natural England.

11.18 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 218 >**

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: 142m W
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: 48
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: 50
Location: 214m SE
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: I
Location: 299m 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: 64
Location: 603m S
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: 721m S
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 SE
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: P
Location: 1815m NW
SSSI name: Shotesham Common
Unit name: Shotesham Church End
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

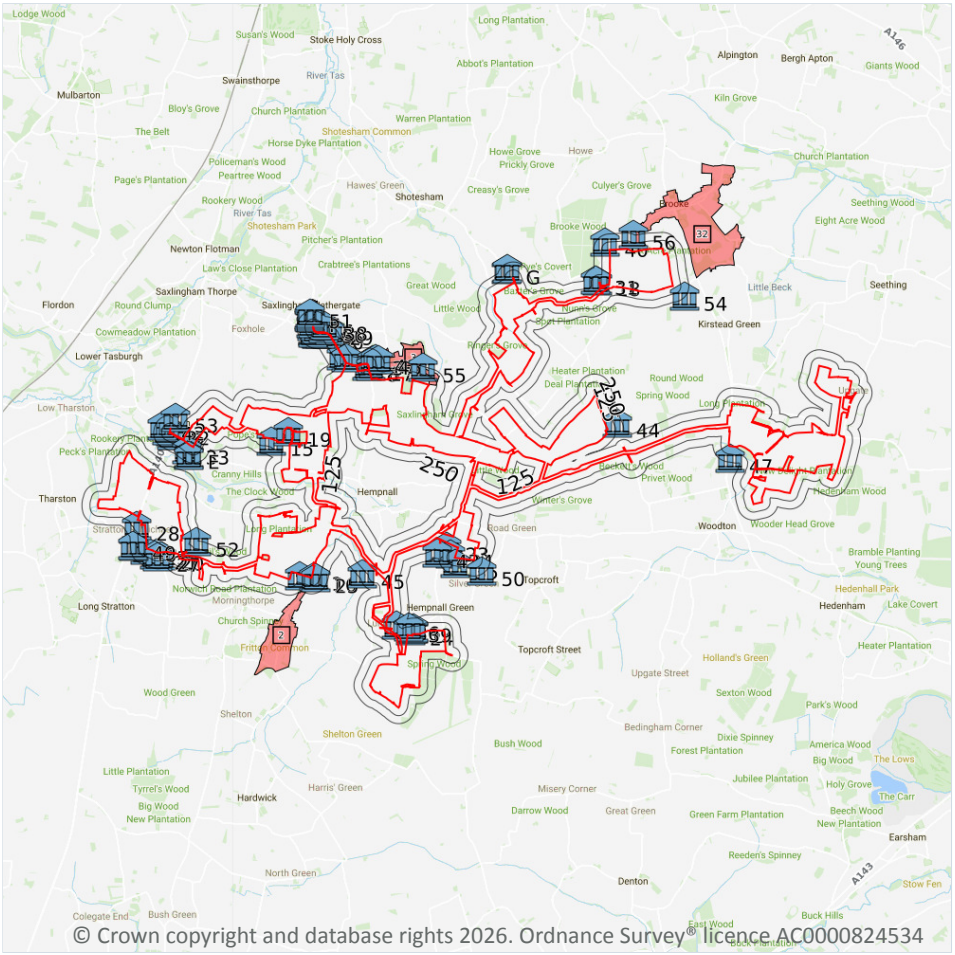
Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Unfavourable - Recovering	08/03/2011
Lowland neutral grassland (MG5)	Unfavourable - Recovering	08/03/2011

ID: L
Location: 1858m SE
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.

12 Visual and cultural designations



12.1 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.

12.2 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.

12.3 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.

12.4 Listed Buildings

Records within 250m	75

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 226 >**

ID	Location	Name	Grade	Reference Number	Listed date
A	7m N	The Old School	II	1050668	02/12/1983
4	8m SW	Hill House	II	1152265	26/11/1959
5	9m NE	Hill Farmhouse	II	1050016	26/06/1981
B	9m SW	Saxlingham Nethergate War Memorial	II	1448984	16/11/2017
6	10m E	Manor Farmhouse	II	1050675	02/10/1951
B	12m W	The Old Bakery	II	1152364	02/12/1983

ID	Location	Name	Grade	Reference Number	Listed date
7	12m S	Barn North Of The Old Rectory	II	1050306	21/09/1976
8	12m W	Manor Cottage	II	1373079	02/12/1983
9	15m SW	The Lilacs	II	1050672	02/12/1983
B	15m SW	Beechview	II	1050677	02/12/1983
B	16m SW	25, The Street	II	1050676	02/12/1983
B	18m S	The Cottage	II	1050670	02/12/1983
B	21m S	Adelaide House	II	1050671	20/04/1959
C	21m SW	Barn Immediately East Of Tramp's Hall	II	1050048	26/06/1981
A	21m N	Tudor Cottage	II	1050669	02/12/1983
B	22m SW	K6 Telephone Kiosk	II	1050654	05/10/1987
10	22m S	Church Hill Cottages	II	1373080	02/12/1983
11	22m S	Church Of St Catherine	I	1373281	07/12/1959
12	24m NW	Old Carriers Arms	II	1373084	02/12/1983
13	28m SW	Cottage Occupied By Mr And Mrs Woods, North-West Of Church Of St Michael	II	1050305	29/09/1976
14	28m E	Hill Cottages	II	1373062	02/12/1983
C	29m SW	Tramp's Hall	II	1302215	26/06/1981
15	30m S	Wood Farmhouse	II	1373238	26/06/1981
B	30m SW	Corner Cottage	II	1373083	02/12/1983
A	30m NE	Boundary Wall To Rectory	II	1304795	02/12/1983
16	31m E	Barn Immediately North-West Of Church Farmhouse	II	1050260	26/06/1981
17	35m E	Manor Farmhouse Barn	II	1152344	02/10/1951
18	41m NW	Barn At Oldhouse Farm	II	1051155	18/02/1991
19	44m SW	Grove Farmhouse	II	1050330	26/06/1981
20	45m S	Church Farmhouse	II	1153545	11/09/1951
21	46m S	Church Of St Michael	I	1304267	26/06/1981
22	49m W	No 1 Including Garden Wall North-East And North-West	II	1050047	26/06/1981
23	58m SW	Poacher's Cottage	II	1153291	26/06/1981
24	62m NW	Townhouse Farmhouse	II	1153325	26/06/1981

ID	Location	Name	Grade	Reference Number	Listed date
25	64m E	Church Farmhouse	II	1050259	26/06/1981
26	65m NW	Yew Cottage	II	1304786	02/12/1983
27	67m S	The Old Rectory	II*	1373264	07/12/1959
28	68m W	The Cedars	II	1304177	11/09/1951
29	71m NE	Old Hall	II*	1050665	02/10/1951
30	73m N	The Old Rectory	II*	1050667	02/10/1951
31	77m NW	Oldhouse Farmhouse	II	1372864	25/09/1951
33	83m SW	Former Quaker Meeting House	II	1178892	26/06/1981
D	84m N	Barn And Stable Range Adjoining Three Feathers To The South-West	II	1050334	26/06/1981
D	85m N	Rose Cottage	II	1304365	26/06/1981
34	85m W	The Firs	II	1373239	26/06/1981
35	92m S	The Haven	II	1304384	26/06/1981
36	93m NE	Hempnall House	II	1262145	24/07/1992
D	95m N	Three Feathers	II	1153315	26/06/1981
37	107m NE	Queen Margaret Cottage	II	1152339	02/12/1983
38	108m N	Church Of St Mary The Virgin	II*	1050666	26/11/1959
39	123m N	Chestnuts Farmhouse	II	1373241	26/06/1981
E	134m SW	Meadow View	II	1373385	26/06/1981
40	145m NW	Waterfield Cottage	II	1372865	05/09/1960
41	145m NE	Orchard Cottage	II	1373082	02/12/1983
42	145m NW	The Lilacs	II	1373384	26/06/1981
E	146m SW	Barn And Stables Immediately South Of Meadow View	II	1179050	26/06/1981
F	153m N	Belcoombe Lodge	II	1050678	02/12/1983
G	169m NW	Upgate Green Farmhouse	II	1050681	02/12/1983
43	171m S	Villa Farmhouse	II	1050332	26/06/1981
F	173m N	Nethergate Cottage	II	1152383	02/12/1983
44	176m NE	Oaks Farmhouse	II*	1170906	25/09/1960
G	178m NW	Outhouse Immediately To North Of Upgate Green Farmhouse	II	1304804	02/12/1983

ID	Location	Name	Grade	Reference Number	Listed date
45	182m SW	Bush Farmhouse	II	1050331	26/06/1981
46	184m NE	Green Farmhouse	II	1304805	02/12/1983
F	190m N	Saxlingham House Formerly Nethergate End	II	1373085	02/12/1983
47	194m S	Beulah Barn	II	1305841	30/04/1986
48	205m W	Pair Of Houses Owned By Mr B R Weeden	II	1153535	21/09/1976
49	209m W	Cottage Occupied By Mrs Rye	II	1050315	21/09/1976
50	210m SE	Silver Green Farmhouse	II	1373260	26/06/1981
51	224m N	Salletts Farmhouse	II	1050679	02/12/1983
52	227m NE	The Hollies	II	1373282	26/06/1981
53	234m N	The Countryman Public House	II	1373407	26/06/1981
54	234m SE	Littlebeck Farmhouse	II	1051154	18/02/1991
55	240m N	Holly Cottage	II	1373081	02/12/1983
56	244m N	66, High Green	II	1051160	18/02/1991

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12.5 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 226 >**

ID	Location	Name	District	Date of designation
1	**On site**	**Saxlingham Nethergate**	**South Norfolk**	**1973**
2	**On site**	**Fritton**	**South Norfolk**	**1976**
3	**On site**	**Saxlingham Green**	**South Norfolk**	**1976**
32	81m N	Brooke	South Norfolk	1975

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12.6 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.

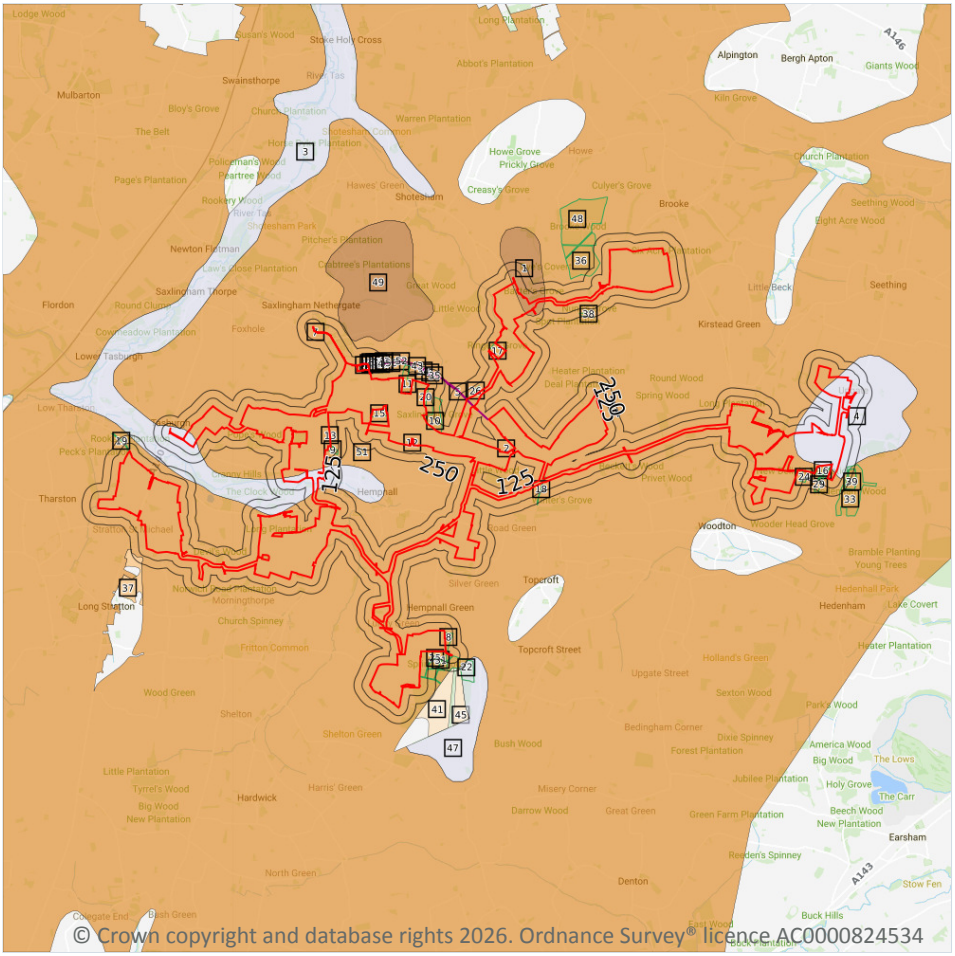
12.7 Registered Parks and Gardens

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.

13 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

13.1 Agricultural Land Classification

Records within 250m	9

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 232 >**

ID	Location	Classification	Description
1	**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.**
2	**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.**
3	**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.**
4	**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.**
37	154m SW	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.
41	195m 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.
45	213m 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.
47	221m SE	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.
49	227m 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.

13.2 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 232 >**

ID	Location	Name	Classification	Other relevant legislation
5	**On site**	**Saxlingham Green**	**Section 4 Conclusive Registered Common Land**	**-**
6	**On site**	**Saxlingham Green**	**Section 4 Conclusive Registered Common Land**	**-**
7	**On site**	**The War Memorial**	**Section 4 Conclusive Registered Common Land**	**-**
A	**On site**	**Saxlingham Green**	**Section 4 Conclusive Registered Common Land**	**-**
21	1m NE	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
23	5m NE	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
27	29m NE	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
28	56m NE	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
30	82m NE	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
32	143m NE	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
34	151m N	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
35	151m N	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
40	185m E	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
42	196m E	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
43	198m N	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
46	215m E	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
50	230m N	Saxlingham Green	Section 4 Conclusive Registered Common Land	-
52	245m N	Saxlingham Green	Section 4 Conclusive Registered Common Land	-

This data is sourced from Natural England and Natural Resources Wales.

13.3 Tree Felling Licences

Records within 250m	25

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 232 >**

ID	Location	Description	Reference	Application date
8	**On site**	**Clear Fell (Conditional)**	**017/424/14-15**	**06/02/2015**
9	**On site**	**Clear Fell (Conditional)**	**017/59/14-15**	**08/07/2014**
10	**On site**	**Selective Fell/Thin (Conditional)**	**017/47/16-17**	**24/06/2016**
11	**On site**	**Selective Fell/Thin (Conditional)**	**017/47/16-17**	**24/06/2016**
12	**On site**	**Selective Fell/Thin (Conditional)**	**017/47/16-17**	**24/06/2016**
13	**On site**	**Selective Fell/Thin (Conditional)**	**017/59/14-15**	**08/07/2014**
14	**On site**	**Selective Fell/Thin (Conditional)**	**017/59/14-15**	**08/07/2014**
15	**On site**	**Selective Fell/Thin (Conditional)**	**017/59/14-15**	**08/07/2014**
16	**On site**	**Selective Fell/Thin (Unconditional)**	**017/41/08-09**	**02/06/2008**
17	**On site**	**Selective Fell/Thin (Unconditional)**	**017/635/16-17**	**07/02/2017**
18	**On site**	**Clear Fell (Conditional)**	**017/652/16-17**	**-**
19	**On site**	**Clear Fell (Conditional)**	**017/304/11-12**	**10/04/2012**
20	1m E	Selective Fell/Thin (Conditional)	017/47/16-17	24/06/2016
22	4m S	Selective Fell/Thin (Unconditional)	017/548/14-15	13/03/2015
24	9m S	Selective Fell/Thin (Unconditional)	017/41/08-09	02/06/2008
25	13m E	Selective Fell/Thin (Conditional)	017/52/05-06	14/09/2005
26	21m NW	Selective Fell/Thin (Conditional)	017/47/16-17	24/06/2016
29	65m W	Selective Fell/Thin (Unconditional)	017/41/08-09	02/06/2008
31	101m S	Clear Fell (Conditional)	017/52/05-06	14/09/2005
33	143m E	Selective Fell/Thin (Unconditional)	017/96/12-13	13/08/2012
36	154m W	Selective Fell/Thin (Unconditional)	017/252/04-05	23/03/2005
38	155m S	Selective Fell/Thin (Unconditional)	017/321/06-07	23/04/2007
39	183m E	Selective Fell/Thin (Unconditional)	017/318/10-11	30/03/2011

ID	Location	Description	Reference	Application date
48	226m W	Selective Fell/Thin (Unconditional)	017/89/07-08	10/08/2007
51	235m S	Clear Fell (Conditional)	017/59/14-15	08/07/2014

This data is sourced from the Forestry Commission.

13.4 Environmental Stewardship Schemes

Records within 250m	**20**

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	**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	**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	**AG00554591**	**Entry Level plus Higher Level Stewardship**	**01/12/2012**	**30/11/2022**
5m NE	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
8m E	AG00441322	Entry Level plus Higher Level Stewardship	01/08/2013	31/07/2023
49m SE	AG00273008	Entry Level plus Higher Level Stewardship	01/11/2008	31/10/2018
117m W	AG00422941	Entry Level plus Higher Level Stewardship	01/10/2013	30/09/2023
194m S	AG00511412	Entry Level Stewardship	01/10/2013	30/09/2018

Location	Reference	Scheme	Start Date	End date
219m S	AG00441322	Entry Level plus Higher Level Stewardship	01/08/2013	31/07/2023

This data is sourced from Natural England.

13.5 Countryside Stewardship Schemes

Records within 250m	**77**

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**
On site	**1056645**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**
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	**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	**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	**1271726**	**Countryside Stewardship (Middle Tier)**	**01/01/2022**	**31/12/2026**
On site	**1270979**	**Countryside Stewardship (Middle Tier)**	**01/01/2022**	**31/12/2026**

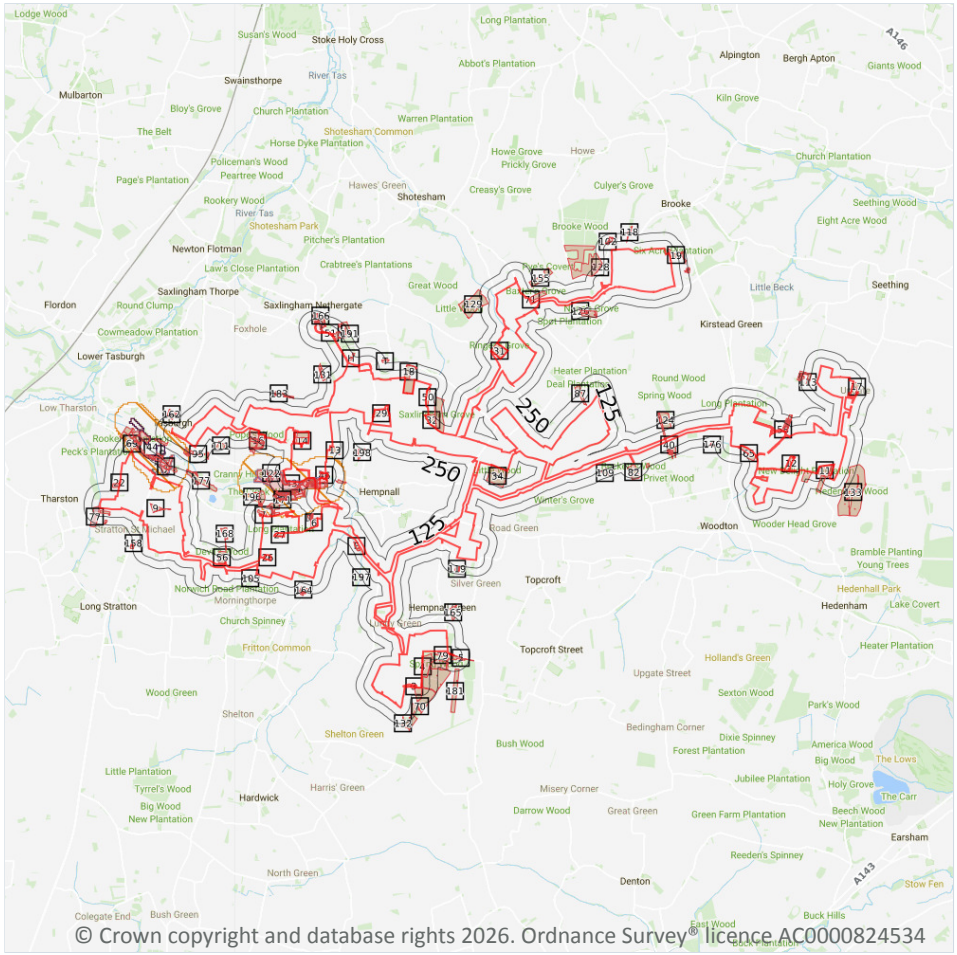
Location	Reference	Scheme	Start Date	End Date
On site	1270979	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026
On site	1270979	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026
On site	829633	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
On site	829633	Countryside Stewardship (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
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	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	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	1054612	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
On site	1054612	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
On site	1081299	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
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	1416892	Countryside Stewardship (Higher Tier)	01/04/2023	31/03/2025
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	1455715	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027

Location	Reference	Scheme	Start Date	End Date
2m NE	1032108	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
3m NE	1375492	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026
3m SW	1643166	Countryside Stewardship (Middle Tier)	01/01/2024	31/12/2028
6m NE	1032108	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
7m SW	1640155	Countryside Stewardship (Middle Tier)	01/01/2024	31/12/2028
7m E	1422058	Countryside Stewardship (Higher Tier)	01/01/2023	31/12/2032
9m W	829633	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
11m S	1030950	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
39m SW	1643166	Countryside Stewardship (Middle Tier)	01/01/2024	31/12/2028
40m NW	1032108	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
47m E	1643663	Countryside Stewardship (Middle Tier)	01/01/2024	31/12/2028
51m NW	1032108	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
57m W	1640155	Countryside Stewardship (Middle Tier)	01/01/2024	31/12/2028
110m NW	1641962	Countryside Stewardship (Higher Tier)	01/10/2023	30/09/2026
116m W	1648584	Countryside Stewardship (Middle Tier)	01/01/2024	31/12/2028
120m S	1032108	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
132m W	1453668	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
153m S	951197	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
157m E	1375492	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026
190m NE	1049158	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
191m NE	1643663	Countryside Stewardship (Middle Tier)	01/01/2024	31/12/2028
194m N	1487465	Countryside Stewardship (Higher Tier)	01/06/2023	31/05/2026
206m SE	1032108	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
206m NE	1643663	Countryside Stewardship (Middle Tier)	01/01/2024	31/12/2028
207m N	1455715	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
215m NW	1269437	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026
224m E	1264372	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026
227m S	1269774	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026

Location	Reference	Scheme	Start Date	End Date
244m NE	1054612	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025

This data is sourced from Natural England.

14 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

14.1 Priority Habitat Inventory

Records within 250m	255

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 241 >**

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%, FEP + HLS)**
33	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%, ENSIS L1, FEP + HLS)**
34	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%, ENSIS L1)**
35	**On site**	**Good quality semi-improved grassland**	**Main habitat: GQSIG (FEP + HLS)**
36	**On site**	**Good quality semi-improved grassland**	**Main habitat: GQSIG (FEP + HLS)**
37	**On site**	**Lowland fens**	**Main habitat: LFENS (INV > 50%)**
38	**On site**	**Lowland fens**	**Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)**
39	**On site**	**Lowland fens**	**Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); Additional: GQSIG (FEP 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%)**
A	**On site**	**Deciduous woodland**	**Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)**
A	**On site**	**Lowland fens**	**Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)**
B	**On site**	**Deciduous woodland**	**Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); Additional: GQSIG (FEP 50%)**
B	**On site**	**Lowland fens**	**Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); Additional: GQSIG (FEP 50%)**
49	**On site**	**Lowland fens**	**Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); Additional: GQSIG (FEP 50%)**
50	1m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
51	1m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
52	1m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	1m W	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
53	1m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
54	1m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
55	2m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
56	2m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
57	2m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
58	3m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
59	3m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
60	3m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
61	3m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
62	4m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
63	4m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
64	5m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
65	5m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
66	6m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
67	9m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
68	9m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
69	11m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
70	12m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
71	12m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	14m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	15m W	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
E	15m W	Lowland fens	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
72	20m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
F	20m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
G	20m SE	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
73	21m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
74	21m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
75	22m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
76	22m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
77	23m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)

ID	Location	Main Habitat	Other habitats
G	24m SE	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
78	25m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
79	25m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
E	30m W	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
80	30m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
81	33m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
82	35m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
83	36m SE	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)
84	36m S	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%)
F	36m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
85	37m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
86	39m S	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS)
87	40m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
88	41m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	43m S	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
E	46m W	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
H	46m NE	No main habitat but additional habitats present	Additional: TORCH (INV 50%)
89	50m S	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
90	60m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
91	64m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
92	65m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
93	65m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
94	65m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
95	66m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
96	68m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
I	68m SE	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
H	69m NE	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
97	71m S	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS)
K	73m S	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
L	75m W	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
H	77m E	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
98	79m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
99	82m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
L	84m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
I	85m SE	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
J	91m N	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
100	92m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
101	92m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
102	93m N	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
I	94m W	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
103	95m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
104	95m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
105	96m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
106	102m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
107	107m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
108	107m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
109	108m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
110	109m NE	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
111	110m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
112	113m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)
113	116m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
114	116m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
115	118m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	119m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
116	122m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
117	122m SE	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
118	122m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
119	123m S	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
K	125m S	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
M	126m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
120	126m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
M	128m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
122	132m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
N	134m S	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
123	135m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	136m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
124	136m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
125	136m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
126	138m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
127	141m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
128	141m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
129	142m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%, ENSIS L1)
130	146m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
131	146m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
132	146m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
133	146m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%, ENSIS L1)
134	148m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)
135	148m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
136	149m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
137	150m W	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)
D	153m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
138	154m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
139	154m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
140	154m NE	Lowland fens	Main habitat: LFENS (INV > 50%)
141	155m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
142	155m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
143	156m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
144	157m W	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); GQSIG (FEP + HLS)
145	157m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
M	159m S	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%)
146	160m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
147	166m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
O	167m NE	Traditional orchard	Main habitat: TORCH (INV > 50%)
O	170m NE	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
148	171m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
149	171m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
150	171m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
151	171m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
P	172m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)
O	172m NE	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
152	173m NE	Lowland fens	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)
153	173m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
Q	174m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
J	175m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
154	176m S	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%)
155	176m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
156	177m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
157	177m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
R	179m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
158	181m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
159	181m S	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
160	182m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
161	183m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
162	183m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
163	184m N	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)
164	187m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
165	187m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
166	189m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
R	189m S	Deciduous woodland	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); DWOOD (INV > 50%); LMEAD (INV > 50%)
167	189m N	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)
168	190m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
169	191m S	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)
S	192m N	Lowland meadows	Main habitat: LMEAD (INV > 50%)
S	194m N	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%)
T	195m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
U	195m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
170	195m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
Q	195m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
O	196m NE	Traditional orchard	Main habitat: TORCH (INV > 50%)
V	196m E	Traditional orchard	Main habitat: TORCH (INV > 50%)
171	196m N	Lowland fens	Main habitat: LFENS (INV > 50%); Additional: GQSIG (FEP 50%)
T	197m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
P	198m NE	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
W	199m N	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%); Additional: GQSIG (FEP 50%)
172	200m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
U	201m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
173	202m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
U	202m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
174	203m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
175	203m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
176	205m S	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
X	206m E	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
177	206m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
178	207m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
179	207m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
U	208m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
180	208m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
V	208m E	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
W	211m N	Lowland fens	Main habitat: CFPGM (INV > 50%); LFENS (INV > 50%); LMEAD (INV > 50%); Additional: GQSIG (FEP 50%)
Q	211m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
181	212m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
182	212m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
183	215m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
185	218m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
Y	218m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
186	218m N	Lowland fens	Main habitat: LFENS (INV > 50%); LMEAD (INV > 50%)
187	219m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
188	219m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
Y	220m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
189	221m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
190	222m NE	Lowland fens	Main habitat: LFENS (INV > 50%)
191	223m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
192	223m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
193	224m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
Q	230m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: GQSIG (FEP 50%)
194	232m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
195	233m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
X	233m E	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
197	235m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
198	235m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
X	236m E	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
X	236m E	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
199	245m NE	Lowland fens	Main habitat: LFENS (INV > 50%)
200	247m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

14.2 Habitat Networks

Records within 250m	**16**

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 241 >**

ID	Location	Type	Habitat
43	**On site**	**Network Enhancement Zone 1**	**Not specified**
44	**On site**	**Network Enhancement Zone 1**	**Not specified**
45	**On site**	**Restorable Habitat**	**Not specified**
46	**On site**	**Restorable Habitat**	**Not specified**
47	**On site**	**Restorable Habitat**	**Not specified**
48	**On site**	**Restorable Habitat**	**Not specified**

ID	Location	Type	Habitat
A	**On site**	**Network Enhancement Zone 1**	**Not specified**
C	**On site**	**Primary Habitat**	**Lowland fens**
B	28m W	Network Enhancement Zone 1	Not specified
J	69m N	Restorable Habitat	Not specified
121	130m NE	Primary Habitat	Lowland fens
M	137m S	Network Enhancement Zone 1	Not specified
N	158m S	Network Enhancement Zone 1	Not specified
J	179m N	Network Enhancement Zone 1	Not specified
S	189m N	Primary Habitat	Lowland meadows
184	216m NE	Primary Habitat	Lowland fens

This data is sourced from Natural England.

14.3 Open Mosaic Habitat

Records within 250m	**1**

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.

Features are displayed on the Habitat designations map on **page 241 >**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
196	234m N	BRITPITS ref: 3123	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

14.4 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.

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 ↗.

Terms and conditions

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Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Long Stratton

Order Details

Date: 23/08/2024

Your ref: East Pye Solar

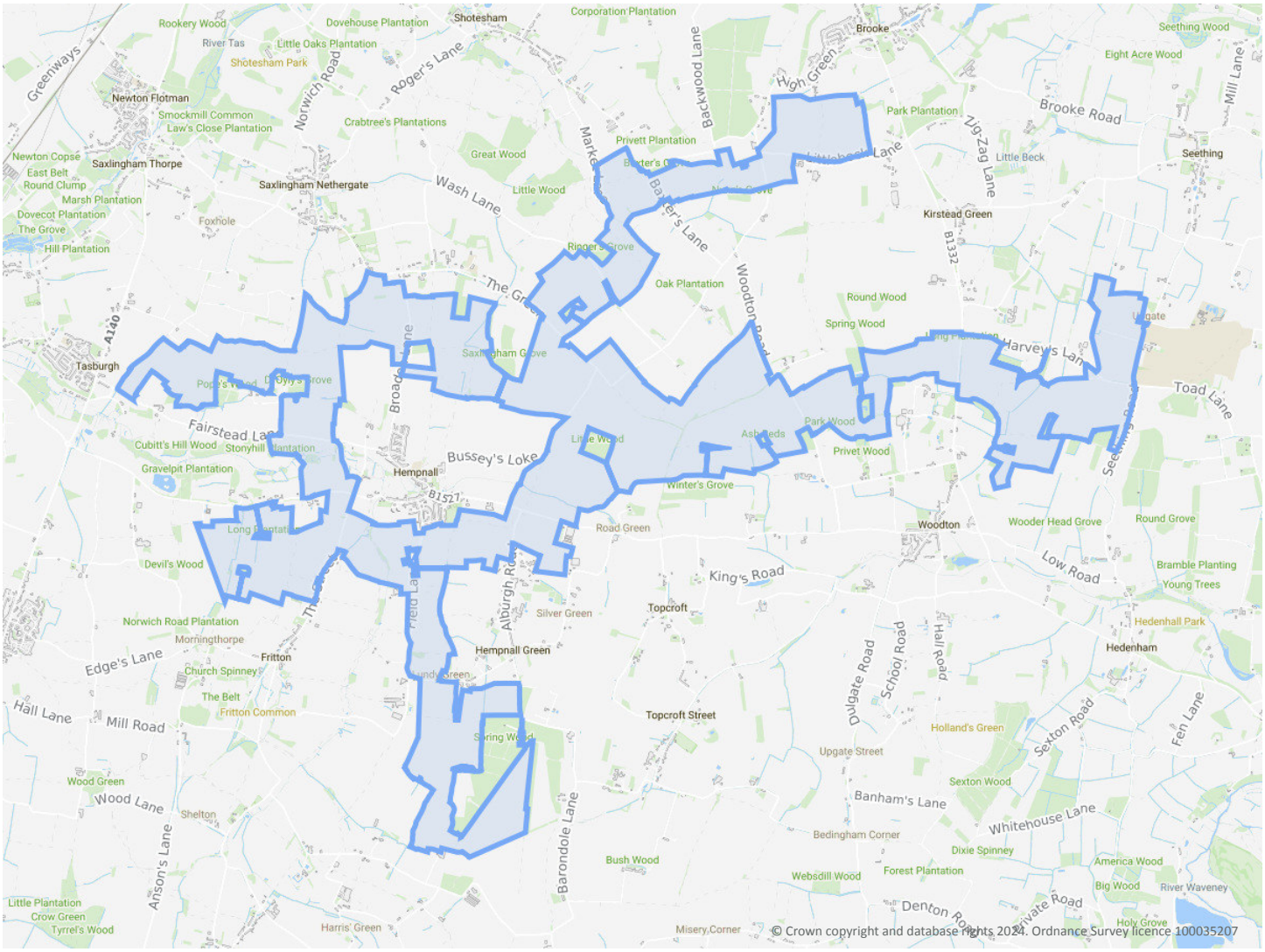
Our Ref: GSIP-2024-16319-20839_A

Site Details

Location: 625678 294876

Area: 1496.36 ha

Authority: South Norfolk District Council ↗



Summary of findings p. 2 >

Aerial image p. 9 >

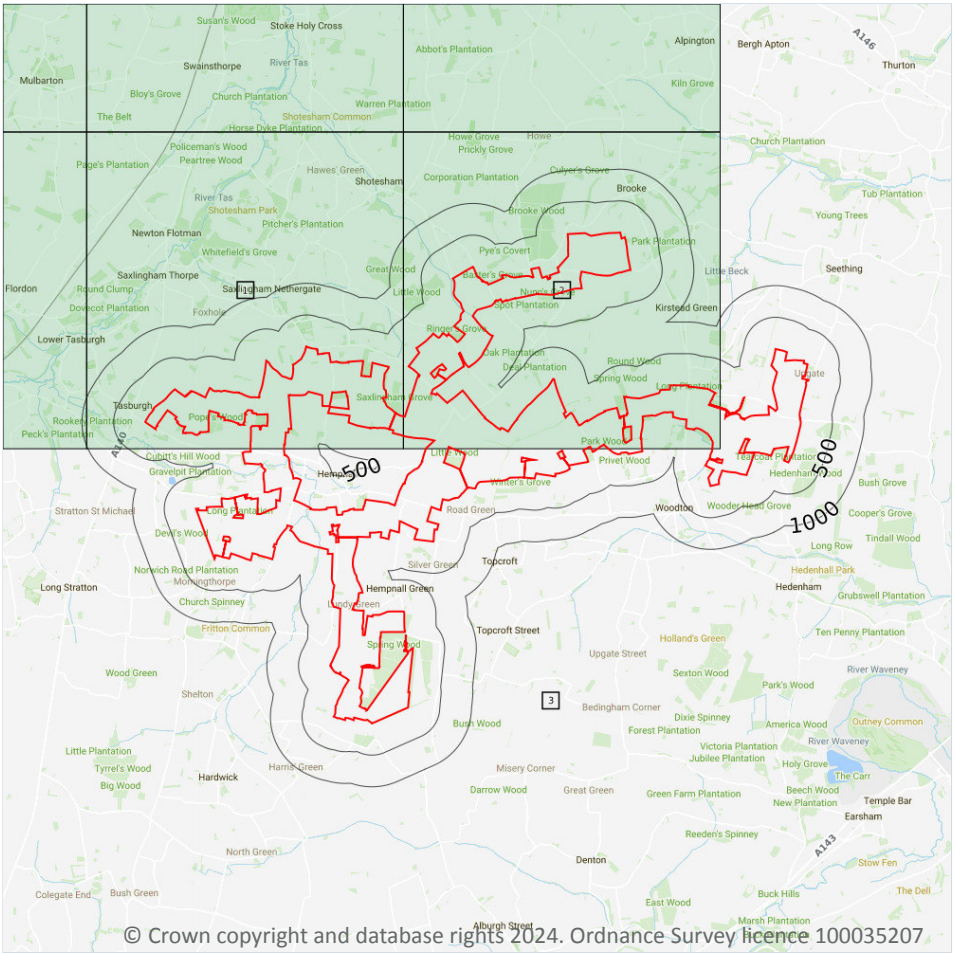
OS MasterMap site plan N/A: >10ha

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

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

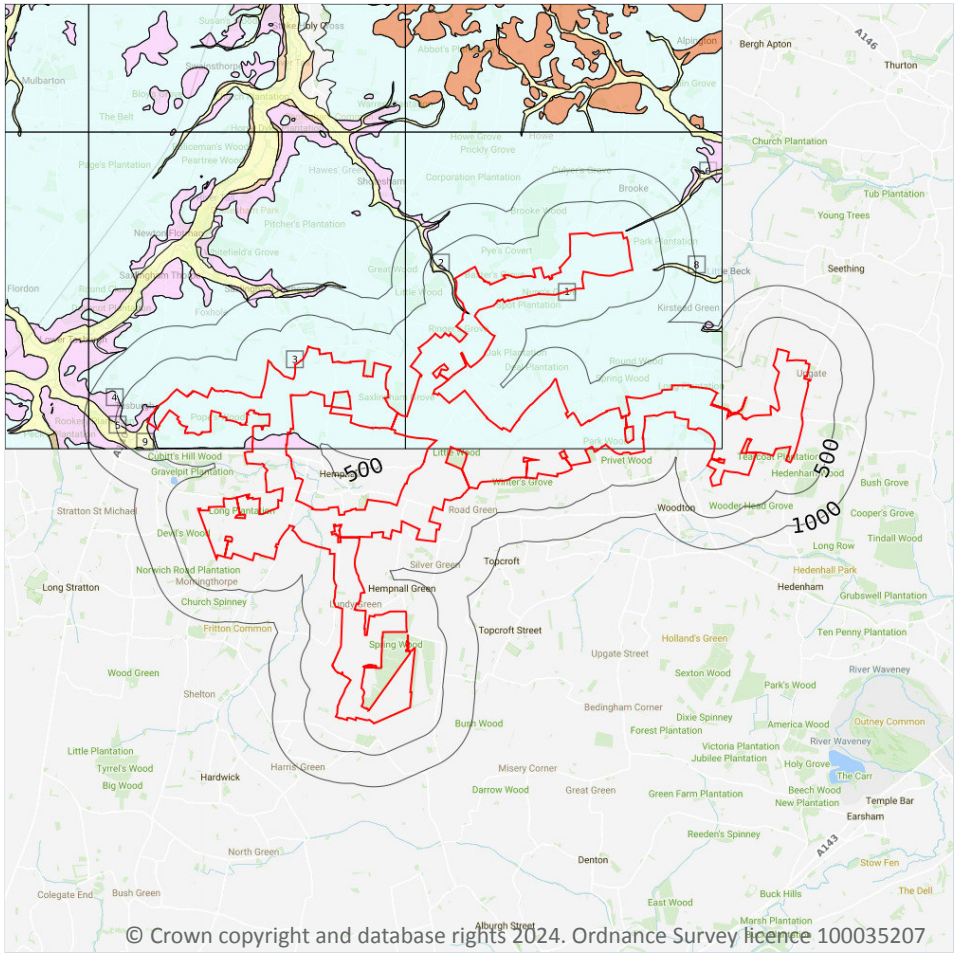
14.2 Artificial and made ground (10k)

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.

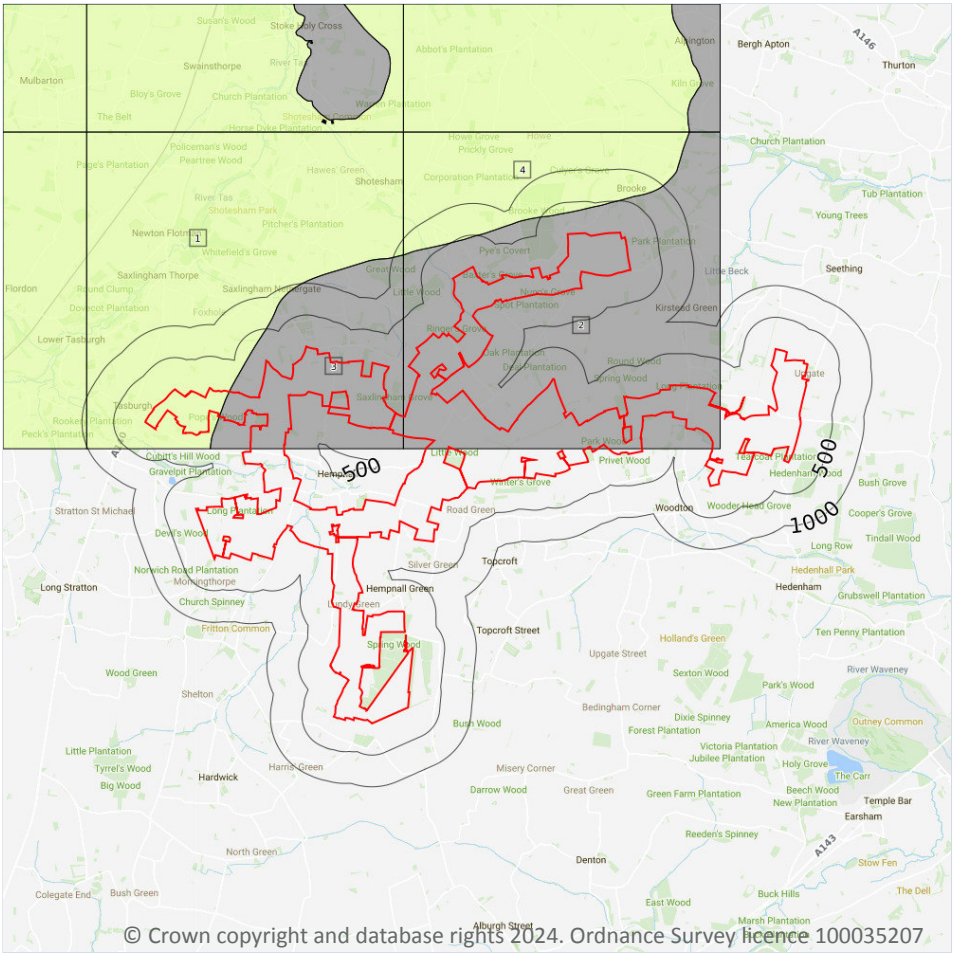
14.4 Landslip (10k)

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



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	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.

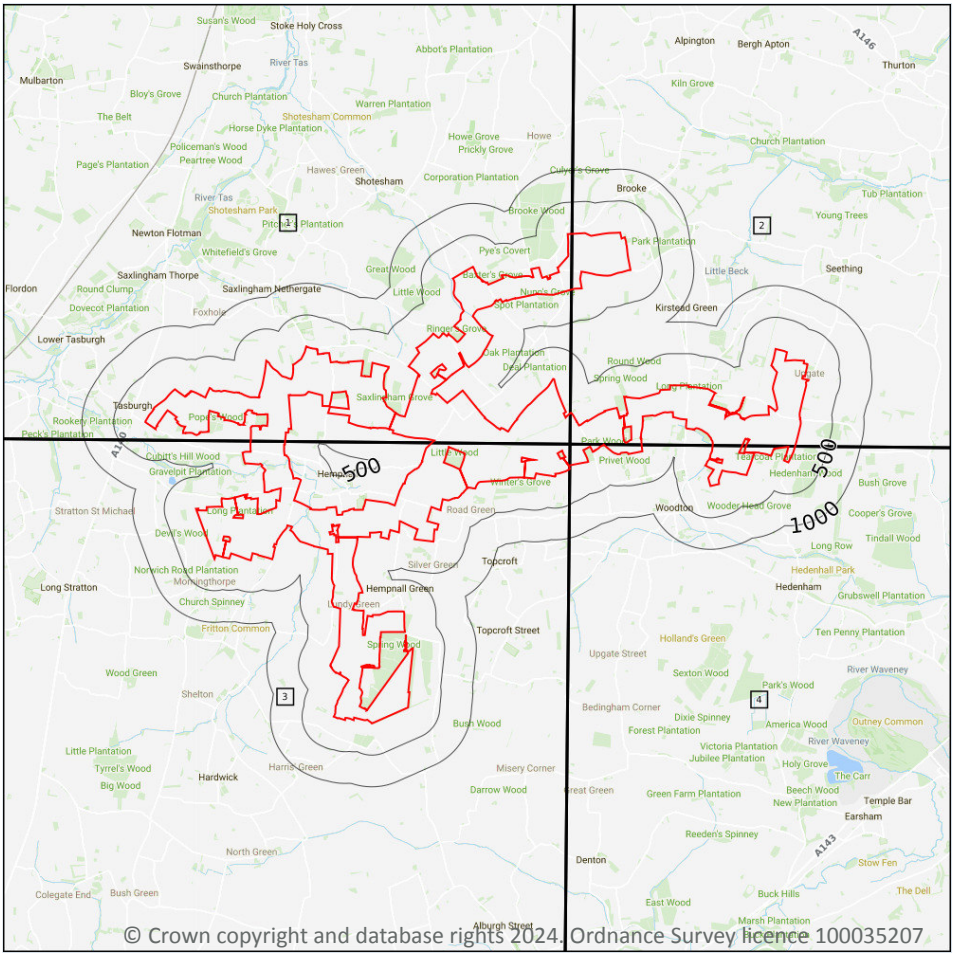
14.6 Bedrock faults and other linear features (10k)

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


500
500
1000
1
2
3
4
Long Stratton
Hempnall Green
Topcroft
Topcroft Street
Woodton
Hedenham
Kirstead Green
Brooke
Shotesham
Saxlingham Thorpe
Saxlingham Nethergate
Lower Tasburgh
Tasburgh
Stratton St Michael
Flordon
Newton Flotman
Mulbarton
Swainsthorpe
Alpington
Bergh Apton
Thurton
Seething
Earsham
Denton
Hardwick
Shelton
Wood Green
Bedingham Corner
Upgate Street
Holland's Green
Ten Penny Plantation
Grubswell Plantation
Hedenhall Park
Long Row
Tindall Wood
Cooper's Grove
Bush Grove
Woodton Wooder Head Grove
Privet Wood
Spring Wood
Round Wood
Saxlingham Grove
Little Wood
Pye's Covert
Park Plantation
Little Beck
Church Plantation
Tub Plantation
Young Trees
Kiln Grove
Brooke Wood
Corporation Plantation
Hawes' Green
Shotesham Park
Whitefield's Grove
Great Wood
Foxhole
Dovecot Plantation
Round Clump
Rookery Plantation
Peck's Plantation
Cubitt's Hill Wood
Gravelpit Plantation
Devil's Wood
Norwich Road Plantation
Church Spinney
Fritton Common
Spring Wood
Bush Wood
Misery Corner
Darrow Wood
Green Farm Plantation
Beech Wood
New Plantation
Temple Bar
Reeden's Spinney
Stow Fen
The Dell
Buck Hills
East Wood
Marsh Plantation
North Green
Colegate End
Bush Green
Albuigh Street
Little Plantation
Tyrrel's Wood
Big Wood
Harris Green
Great Green
Dixie Spinney
Forest Plantation
Victoria Plantation
Jubilee Plantation
America Wood
Outney Common
River Waveney
Holy Grove
The Carr
Park's Wood
Sexton Wood
Silver Green
Road Green
Writer's Grove
Long Plantation
Devil's Wood
Norwich Road Plantation
Morningthorpe
Church Spinney
Lundy Green
Fritton Common
Spring Wood
Bush Wood
Misery Corner
Darrow Wood
Great Green
Green Farm Plantation
Beech Wood
New Plantation
Temple Bar
Earsham

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	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.

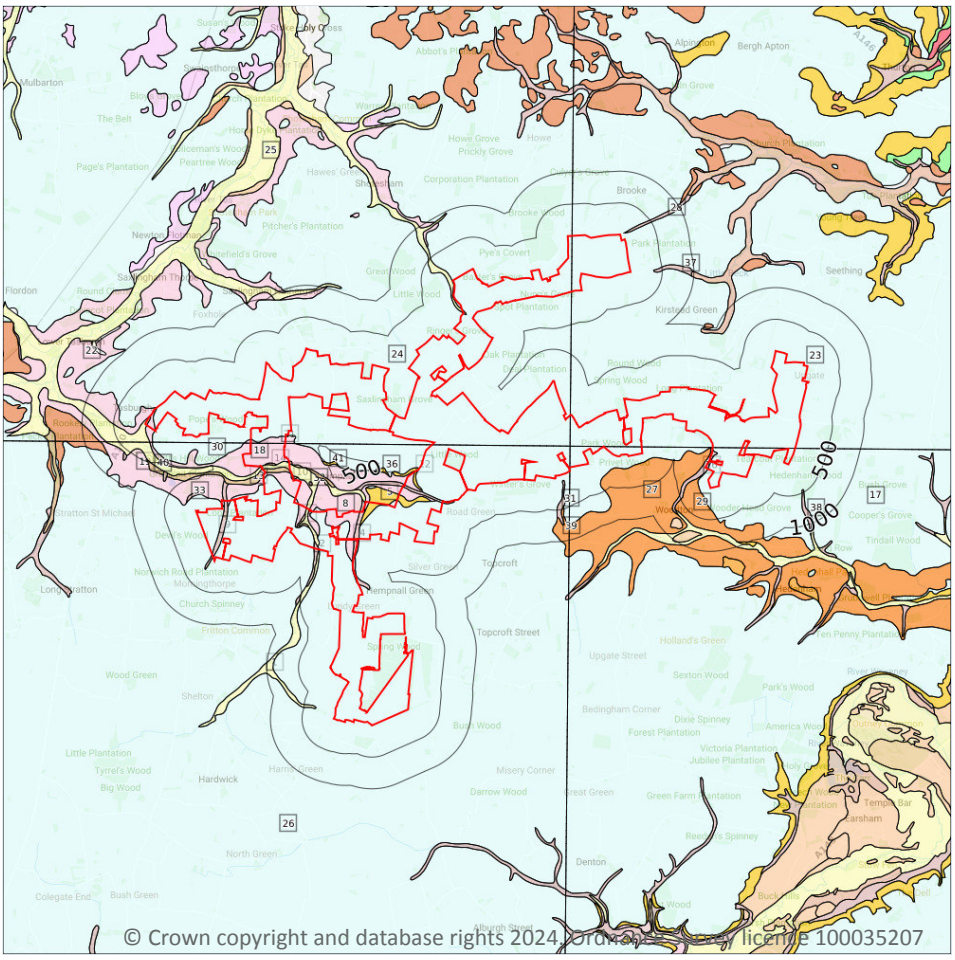
15.3 Artificial ground permeability (50k)

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	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.

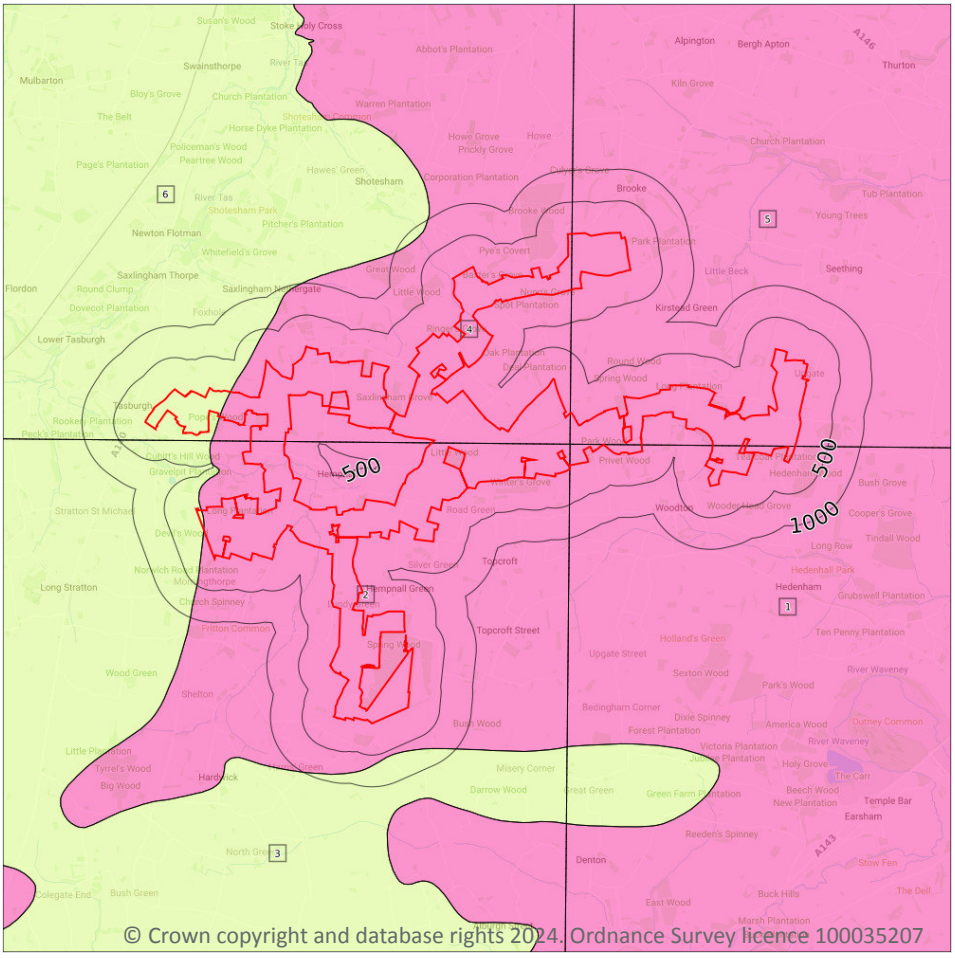
15.7 Landslip permeability (50k)

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.

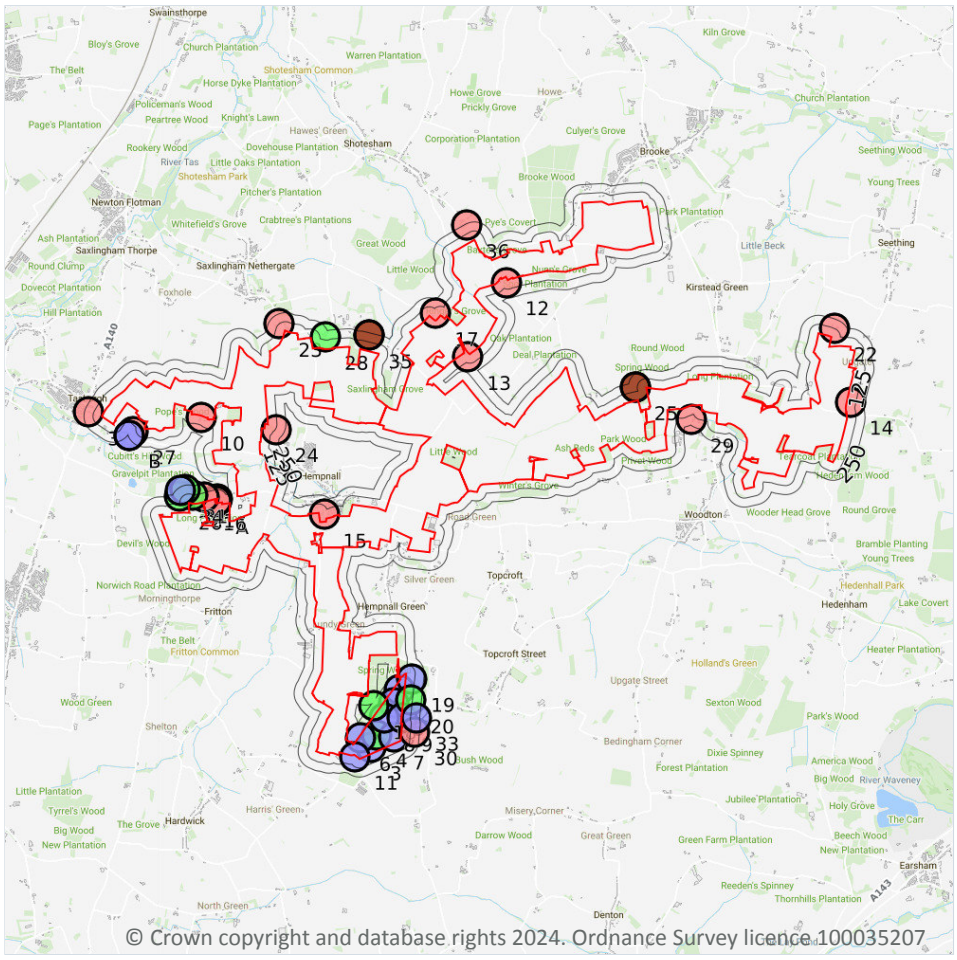
15.10 Bedrock faults and other linear features (50k)

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 >**

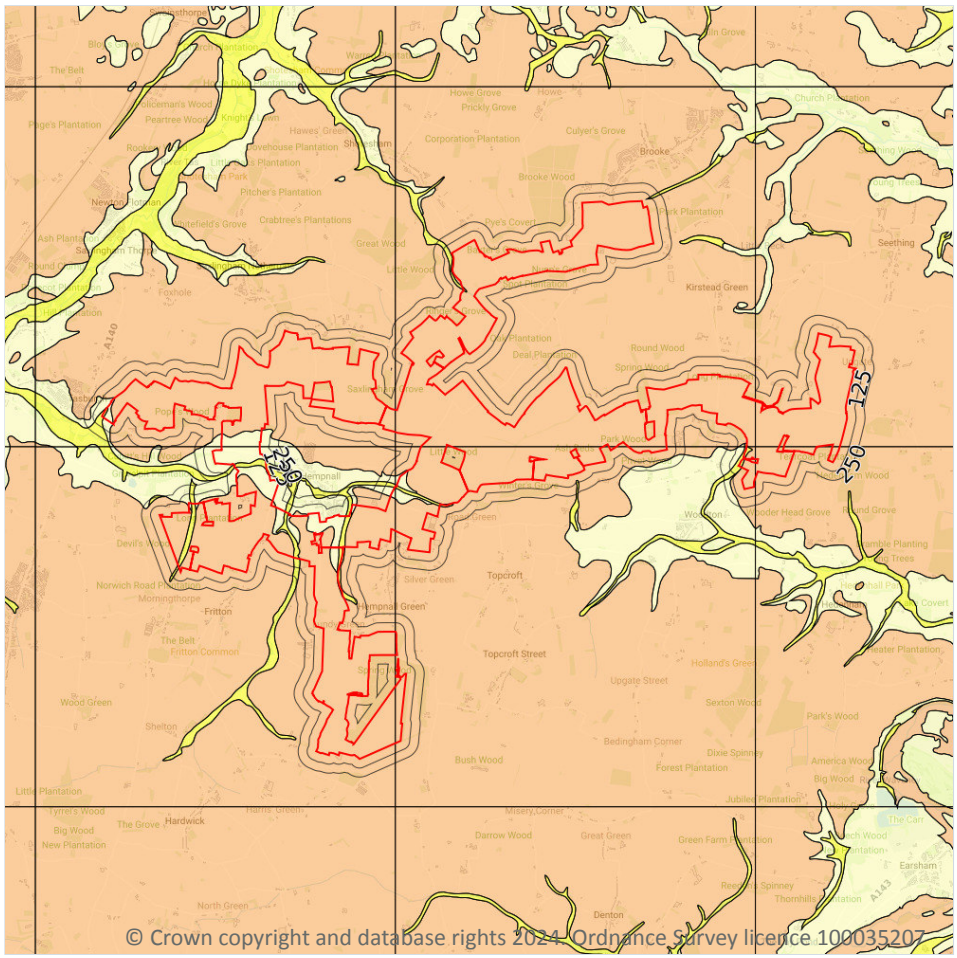
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	622530 294270	HEMPNALL	76.0	N	565633 ↗
2	On site	625050 291630	HARDWICK AIRFIELD BH25	7.6	N	565681 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	**On site**	**624660 290830**	**HARDWICK AIRFIELD BH32**	**7.5**	**N**	**565656**
4	**On site**	**624740 291000**	**HARDWICK AIRFIELD BH23**	**18.0**	**N**	**565651**
5	**On site**	**624980 291450**	**HARDWICK AIRFIELD BH26**	**7.7**	**N**	**565652**
6	**On site**	**624510 290960**	**HARDWICK AIRFIELD BH31**	**7.5**	**N**	**565655**
7	**On site**	**624980 290970**	**HARDWICK AIRFIELD BH30**	**7.5**	**N**	**565654**
8	**On site**	**624850 291230**	**HARDWICK AIRFIELD BH27**	**7.6**	**N**	**565653**
A	2m W	622520 294240	HEMPNALL	50.0	N	565634
A	4m W	622510 294250	HEMPNALL	76.0	N	565635
9	5m S	625090 291230	HARDWICK AIRFIELD BH28	7.5	N	565682
10	18m W	622310 295410	WOOD FARM FAIRSTEAD LANE HEMPNALL	55.0	N	21166360
11	20m S	624440 290690	HARDWICK AIRFIELD BH33	7.5	N	565657
12	41m N	626540 297280	LEY FARM, SHOTESHAM, NORFOLK	54.86	N	565613
13	42m N	626010 296250	DAWSONS FARM, SHOTESHAM	41.45	N	565605
14	51m E	631320 295620	BLAKES FARM, SEETHING	85.3	N	567037
15	66m SW	624010 294060	HEMPNALL DEPWADE RDC COTTAGES	43.13	N	565618
16	68m W	622340 294300	BOYLAND HSE MORNINGTHORPE	42.67	N	565640
17	68m N	625560 296850	LATH FARM, SHOTESHAM	49.07	N	565604
18	85m S	624700 291400	HARDWICK	15.24	N	565627
19	86m S	625230 291780	HARDWICK AIRFIELD BH24	7.5	N	565680
20	108m S	625220 291480	HARDWICK AIRFIELD BH21	16.5	N	565678
21	117m W	622180 294330	MORNING THORPE	15.24	N	565631
22	125m E	631100 296640	GEMINS FARM SEETHING	57.61	N	567028
23	126m NW	623390 296710	HILL HOUSE SAXLINGHAM NETHERGATE	43.28	N	565562
24	131m W	623340 295240	FAIRSTEAD LANE FARM HEMPHALL	60.95	N	565587
25	155m E	628330 295830	SPRINGWOOD FARM, WOODTON	-1.0	N	565617
26	160m W	622000 294310	MORNINGTHORPE PIT BHB6	13.7	N	565646
27	165m W	621360 295210	LIME TREE FARM	54.86	N	565588
28	172m NW	624030 296530	ORCHARD FARM SAXLINGHAM	11.67	N	565584

ID	Location	Grid reference	Name	Length	Confidential	Web link
29	181m E	629110 295380	HALL FARM, WOODTON	53.34	N	565607 ↗
30	185m S	625270 291040	HARDWICK AIRFIELD BH22	36.0	N	565679 ↗
31	188m W	622080 294400	MORNING THORPE	15.24	N	565630 ↗
32	195m W	620740 295480	ELM TREE FARM TASBURGH	46.33	N	565578 ↗
33	203m S	625290 291240	HARDWICK AIRFIELD BH29	7.0	N	565683 ↗
34	204m W	622020 294390	MORNINGTHORPE PIT BHB4	7.0	N	565644 ↗
35	219m NW	624640 296550	HUBBARD'S FARM, SAXLINGHAM	-1.0	N	565600 ↗
36	234m N	625990 298080	UPPERGATE GREEN FARM, SHOTESHAM	59.74	N	565601 ↗
B	235m W	621304 295158	NRF 0100 FAIRSTEAD FARM TASBURGH 2	5.0	N	20221926 ↗
B	239m W	621301 295154	NRF 0100 FAIRSTEAD FARM TASBURGH 1	5.0	N	20221925 ↗

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

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).

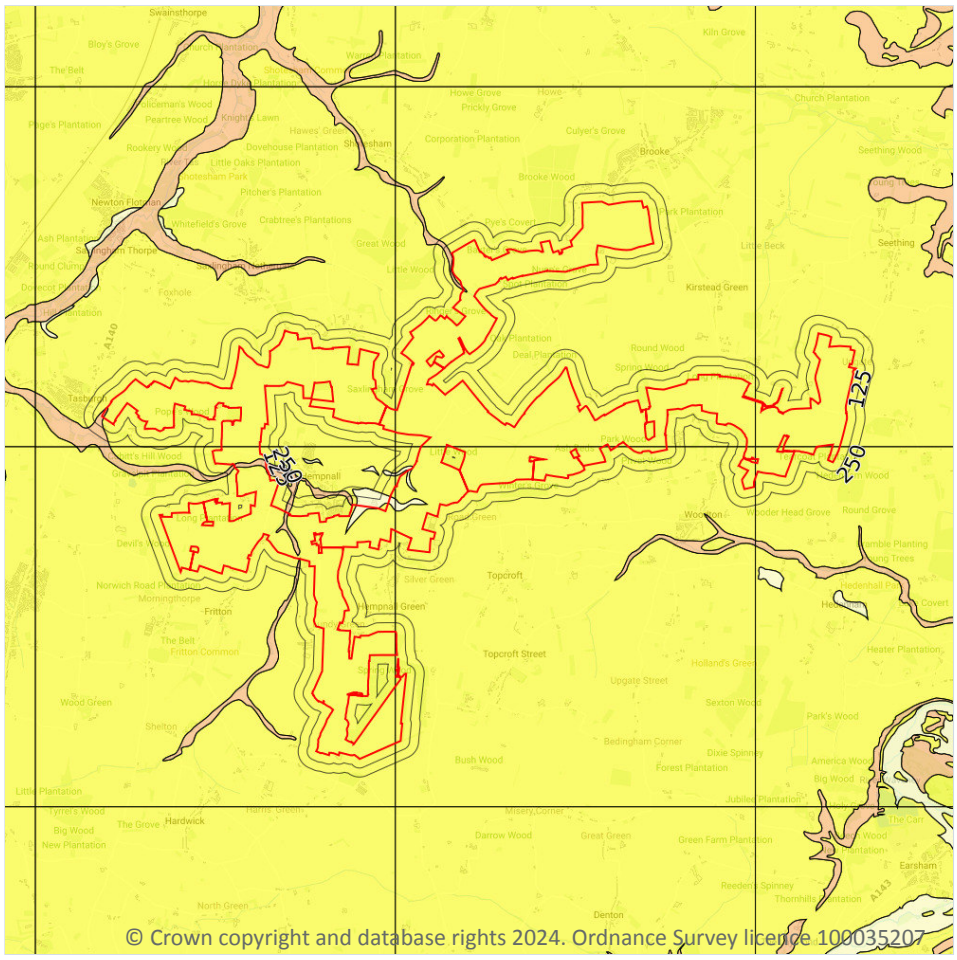
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 293 >**

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



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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

Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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.

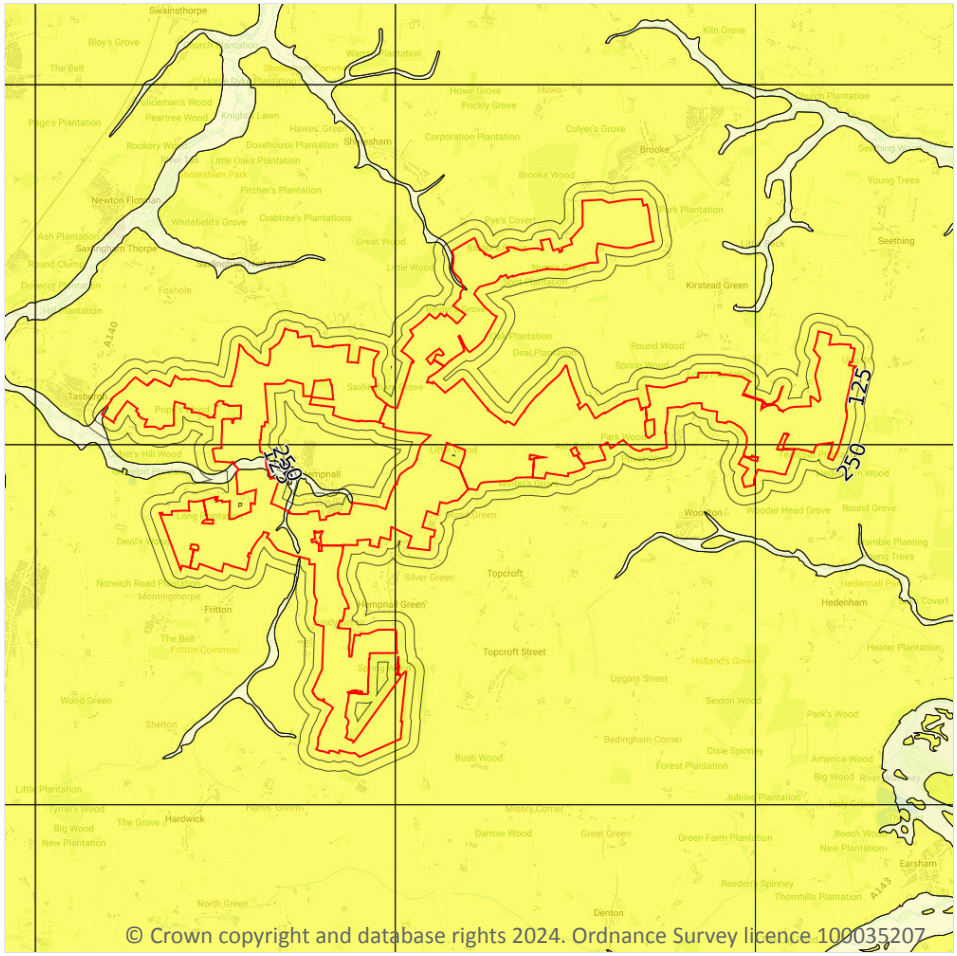
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 297 >**

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

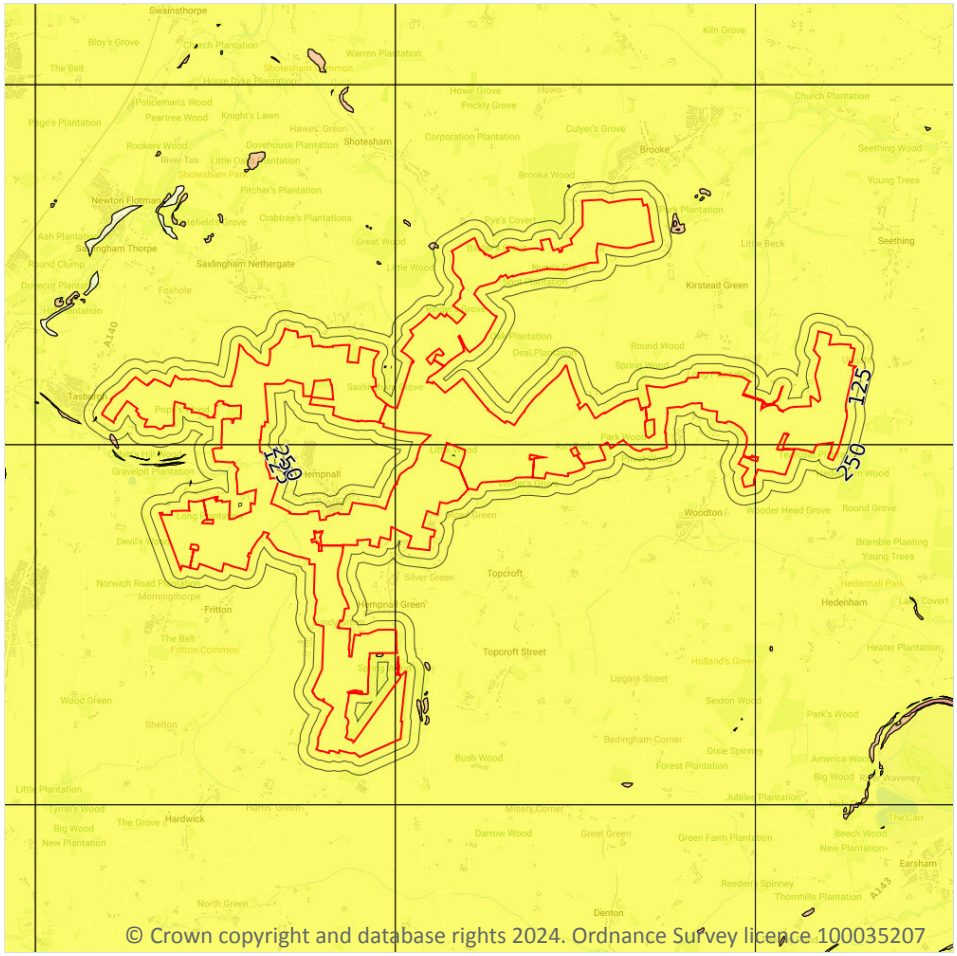
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

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.

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.

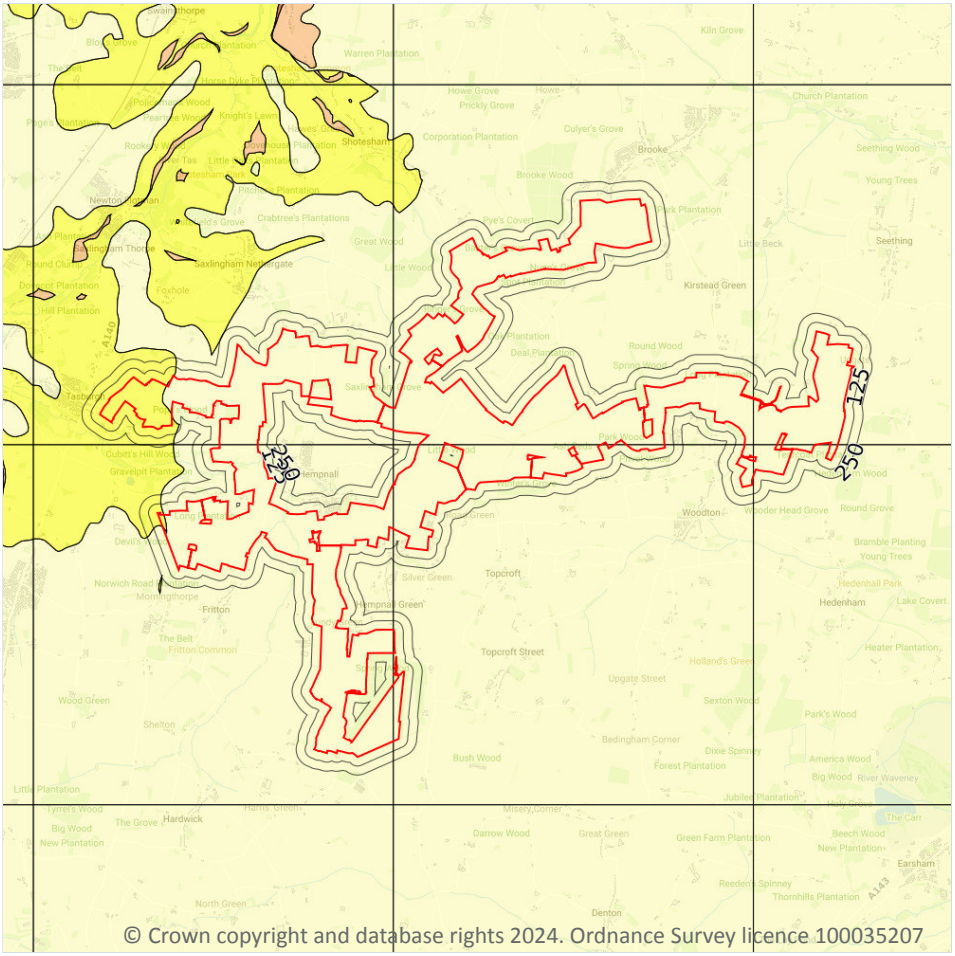
Features are displayed on the Natural ground subsidence - Landslides map on **page 300 >**

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



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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.

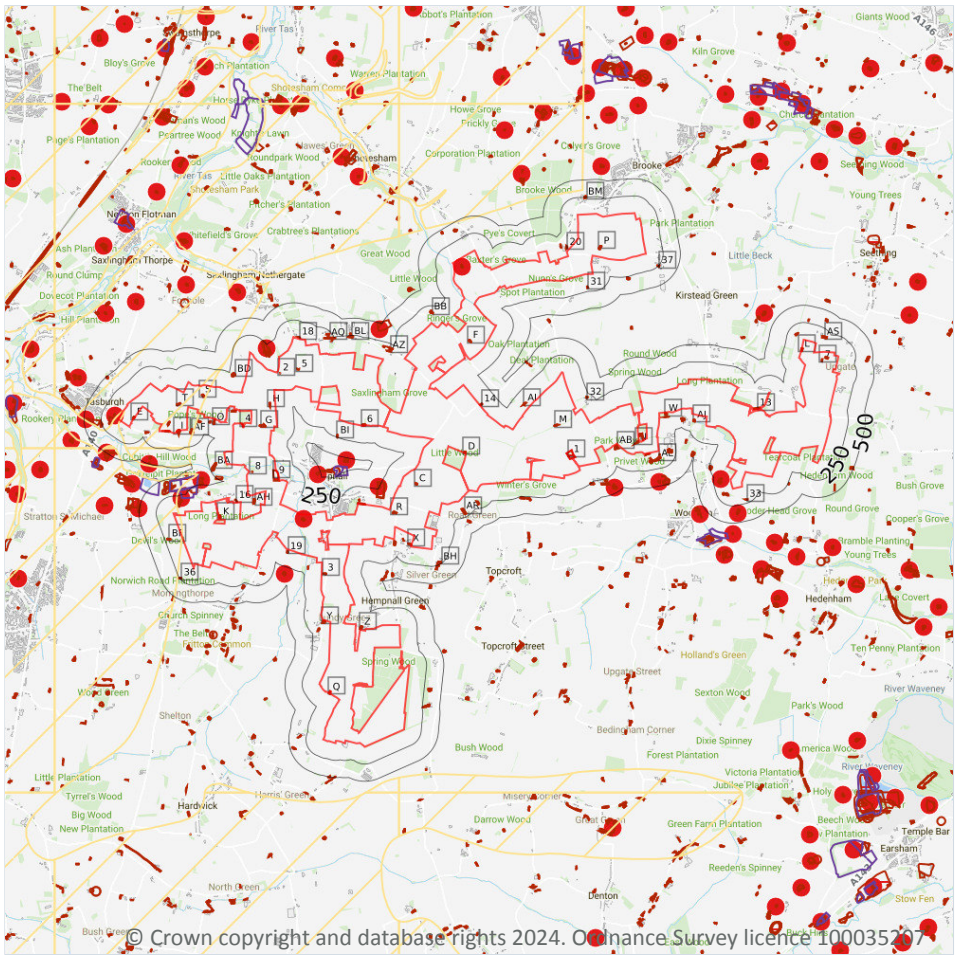
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 302 >**

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**	**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.**

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**	**Name: Market Lane Pit** **Address: Shotesham, NORWICH, Norfolk** **Commodity: Clay & Shale** **Status: Ceased**	**Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site** **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	**On site**	**Name: Beech Farm Pit** **Address: Fritton, Morningthorpe, NORWICH, Norfolk** **Commodity: Clay & Shale** **Status: Ceased**	**Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site** **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**
AG	73m W	Name: Hill Farm Pit Address: Tasburgh, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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	141m E	Name: Woodton Pit Address: Woodton, BUNGAY, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
AY	148m W	Name: Tasburgh Hill Pit Address: Tasburgh, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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	153m E	Name: Woodton Pit Address: Woodton, BUNGAY, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
AN	210m W	Name: Hall Farm Pit Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Saxlingham Nethergate, Newton Flotman, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Hempnall, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Morningthorpe, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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: Maltoffice Cottages Pit Address: Fritton, Morningthorpe, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Woodton, BUNGAY, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Saxlingham Green, Hempnall, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Woodton, BUNGAY, Norfolk Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Woodton, BUNGAY, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Hempnall, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Tasburgh, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Woodton, BUNGAY, Norfolk Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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	**316**

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**	**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.**
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.

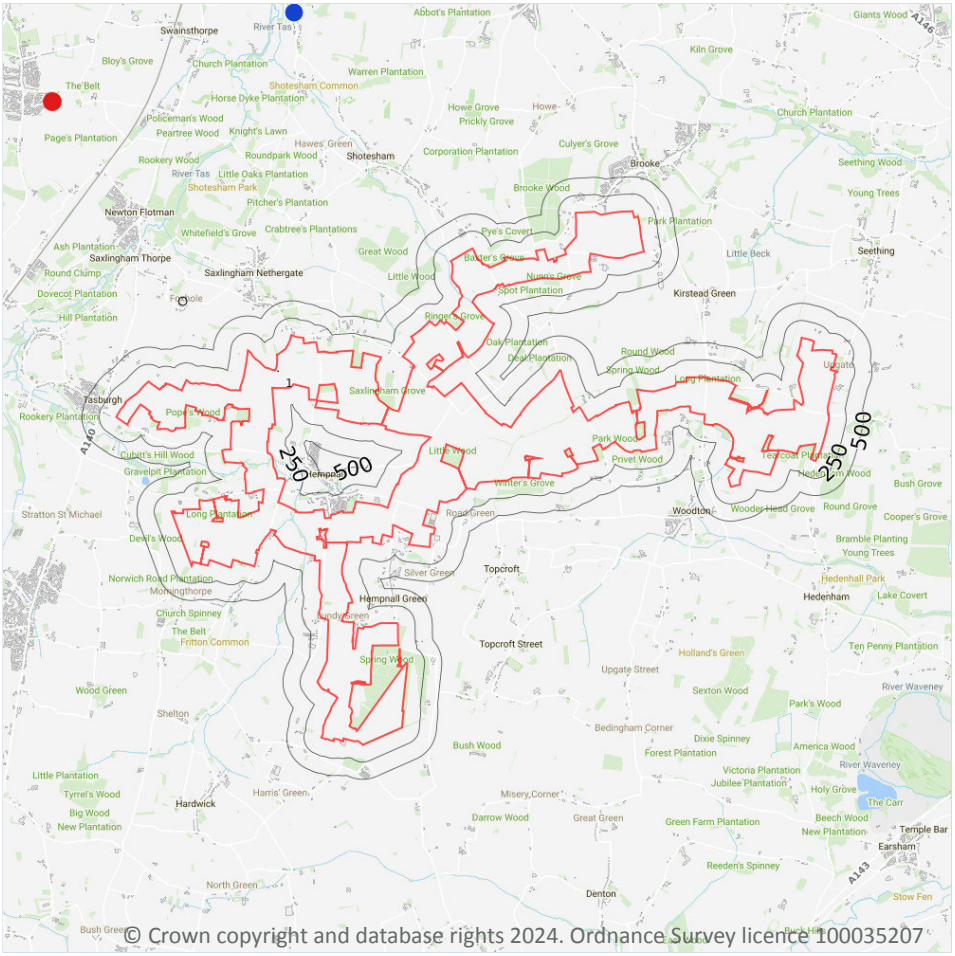
18.16 Clay mining

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



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- Site Outline

Search buffers in metres (m)

- Natural cavities (Area)
- Natural cavities (Point)
- Mining cavities
- Reported recent incidents
- Historical incidents
- BGS karst database (Point)
- BGS karst database (Line)
- BGS karst database (Area)

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

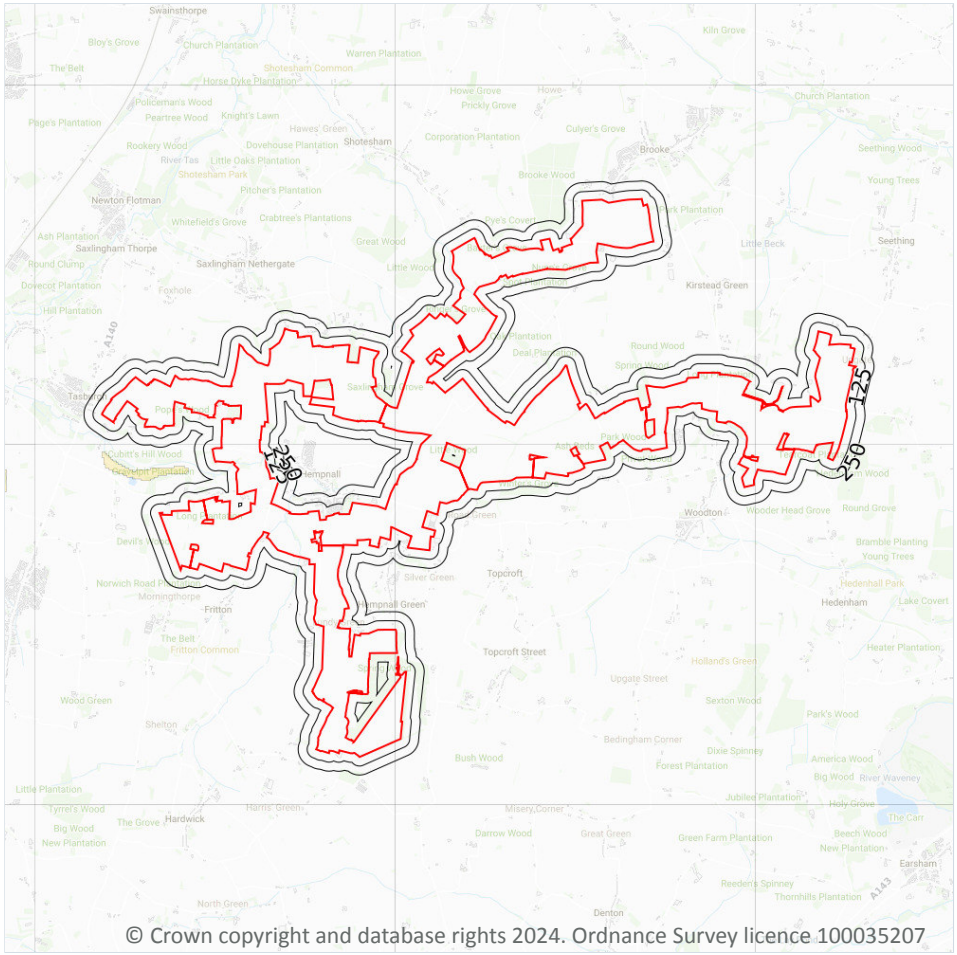
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

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^2. 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^2; 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**	**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**

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**	**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 - 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
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**

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**

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**	**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**	**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**	**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**

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^2).

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^2.

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.

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 ↗.

Terms and conditions

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Groundsure
LOCATION INTELLIGENCE

Enviro
Insight

East Pye Solar

Order Details

Date: 06/02/2026

Your ref: EPL055413

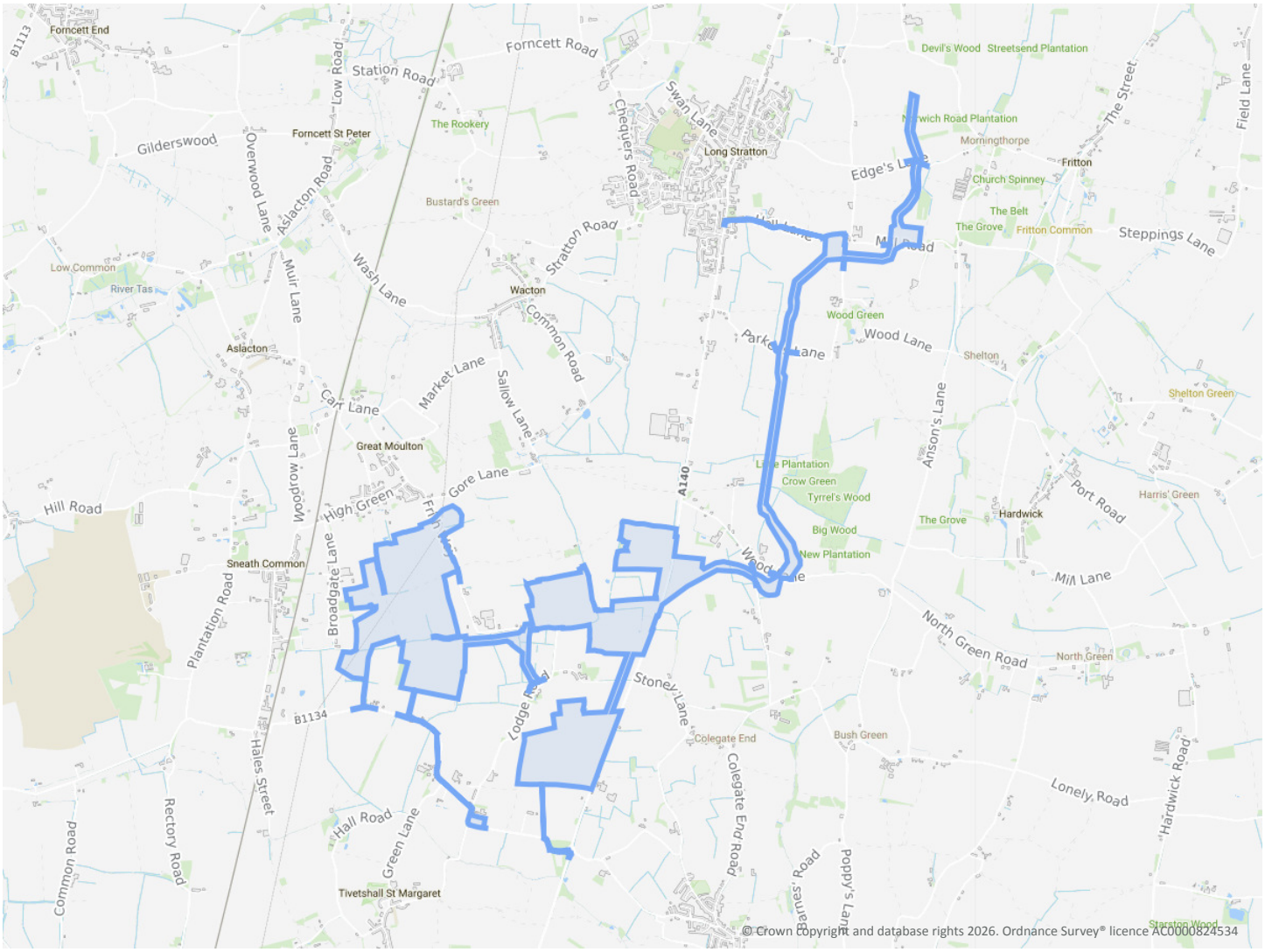
Our Ref: HYD-IND-HI2-P7K-YXP_B

Site Details

Location: 618634 289454

Area: 255.26 ha

Authority: South Norfolk District Council ↗



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Summary of findings p. 2 >

Aerial image p. 6 >

OS MasterMap site plan N/A: >10ha

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
11 >	1.1 >	Historical industrial land uses >	2	4	13	12	-
13 >	1.2 >	Historical tanks >	0	2	5	3	-
13 >	1.3 >	Historical energy features >	0	2	5	8	-
14	1.4	Historical petrol stations	0	0	0	0	-
15 >	1.5 >	Historical garages >	0	0	6	7	-
15	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
16 >	2.1 >	Historical industrial land uses >	2	4	15	15	-
18 >	2.2 >	Historical tanks >	0	3	9	7	-
19 >	2.3 >	Historical energy features >	0	6	16	16	-
20	2.4	Historical petrol stations	0	0	0	0	-
21 >	2.5 >	Historical garages >	0	0	6	9	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
22	3.1	Active or recent landfill	0	0	0	0	-
22	3.2	Historical landfill (BGS records)	0	0	0	0	-
23	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
23	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
23 >	3.5 >	Historical waste sites >	0	0	0	2	-
24 >	3.6 >	Licensed waste sites >	0	0	3	4	-
26 >	3.7 >	Waste exemptions >	0	50	159	85	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
51 >	4.1 >	Recent industrial land uses >	5	6	25	-	-
53 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	0	0	1	-	-
54 >	4.3 >	Current or recent petrol stations >	0	0	2	0	-
54	4.4	Electricity cables	0	0	0	0	-
54 >	4.5 >	Gas pipelines >	0	0	1	0	-

55	4.6	Sites determined as Contaminated Land	0	0	0	0	-
55	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
55	4.8	Regulated explosive sites	0	0	0	0	-
55	4.9	Hazardous substance storage/usage	0	0	0	0	-
55	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
56 >	4.11 >	Licensed industrial activities (Part A(1)) >	0	2	8	2	-
57 >	4.12 >	Licensed pollutant release (Part A(2)/B) >	0	0	2	0	-
58	4.13	Radioactive Substance Authorisations	0	0	0	0	-
58 >	4.14 >	Licensed Discharges to controlled waters >	0	1	7	5	-
60	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
60	4.16	Pollutant release to public sewer	0	0	0	0	-
61	4.17	List 1 Dangerous Substances	0	0	0	0	-
61	4.18	List 2 Dangerous Substances	0	0	0	0	-
61 >	4.19 >	Pollution Incidents (EA/NRW) >	1	2	4	4	-
62 >	4.20 >	Pollution inventory substances >	0	0	2	2	-
64 >	4.21 >	Pollution inventory waste transfers >	0	0	1	0	-
64	4.22	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Geology (basic) >					
65 >	5.1 >	Superficial geology (625k) >	Identified (within 500m)				
65 >	5.2 >	Bedrock geology (625k) >	Identified (within 500m)				
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
66 >	6.1 >	Superficial aquifer >	Identified (within 500m)				
68 >	6.2 >	Bedrock aquifer >	Identified (within 500m)				
70 >	6.3 >	Groundwater vulnerability >	Identified (within 50m)				
74 >	6.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
75	6.5	Groundwater vulnerability- local information	None (within 0m)				
76 >	6.6 >	Groundwater abstractions >	0	2	8	0	16
82	6.7	Surface water abstractions	0	0	0	0	0
82	6.8	Potable abstractions	0	0	0	0	0

82 >	6.9 >	Source Protection Zones >	1	0	0	1	-
83	6.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	**Hydrology** >	On site	0-50m	50-250m	250-500m	500-2000m
84 >	7.1 >	Water Network (OS MasterMap) >	74	77	157	-	-
108 >	7.2 >	Surface water features >	1	38	87	-	-
109 >	7.3 >	WFD Surface water body catchments >	3	-	-	-	-
109 >	7.4 >	WFD Surface water bodies >	0	0	1	-	-
110 >	7.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	**River and coastal flooding** >	On site	0-50m	50-250m	250-500m	500-2000m
111 >	8.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
112	8.2	Historical Flood Events	0	0	0	-	-
112	8.3	Flood Defences	0	0	0	-	-
112	8.4	Areas Benefiting from Flood Defences	0	0	0	-	-
112	8.5	Flood Storage Areas	0	0	0	-	-
113 >	8.6 >	Flood Zone 2 >	Identified (within 50m)				
114 >	8.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	**Surface water flooding** >					
115 >	9.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	**Groundwater flooding** >					
117 >	10.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	**Environmental designations** >	On site	0-50m	50-250m	250-500m	500-2000m
118 >	11.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	1	0	1
119	11.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
119	11.3	Special Areas of Conservation (SAC)	0	0	0	0	0
119	11.4	Special Protection Areas (SPA)	0	0	0	0	0
119	11.5	National Nature Reserves (NNR)	0	0	0	0	0
120	11.6	Local Nature Reserves (LNR)	0	0	0	0	0
120 >	11.7 >	Designated Ancient Woodland >	0	0	1	1	2
120	11.8	Biosphere Reserves	0	0	0	0	0

121	11.9	Forest Parks	0	0	0	0	0
121	11.10	Marine Conservation Zones	0	0	0	0	0
121	11.11	Green Belt	0	0	0	0	0
121	11.12	Proposed Ramsar sites	0	0	0	0	0
121	11.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
122	11.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
122	11.15	Nitrate Sensitive Areas	0	0	0	0	0
122 >	11.16 >	Nitrate Vulnerable Zones >	3	0	0	0	1
123 >	11.17 >	SSSI Impact Risk Zones >	17	-	-	-	-
125 >	11.18 >	SSSI Units >	0	0	1	0	2
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
127	12.1	World Heritage Sites	0	0	0	-	-
128	12.2	Area of Outstanding Natural Beauty	0	0	0	-	-
128	12.3	National Parks	0	0	0	-	-
128 >	12.4 >	Listed Buildings >	0	4	26	-	-
130 >	12.5 >	Conservation Areas >	1	0	0	-	-
130	12.6	Scheduled Ancient Monuments	0	0	0	-	-
130	12.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
131 >	13.1 >	Agricultural Land Classification >	Grade 2 (within 250m)				
132 >	13.2 >	Open Access Land >	0	0	2	-	-
133 >	13.3 >	Tree Felling Licences >	1	0	0	-	-
133 >	13.4 >	Environmental Stewardship Schemes >	3	0	0	-	-
133 >	13.5 >	Countryside Stewardship Schemes >	9	3	6	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
135 >	14.1 >	Priority Habitat Inventory >	8	10	24	-	-
137	14.2	Habitat Networks	0	0	0	-	-
137	14.3	Open Mosaic Habitat	0	0	0	-	-
137	14.4	Limestone Pavement Orders	0	0	0	-	-

Recent aerial photograph

Capture Date: 10/08/2022

Site Area: 255.26ha

Recent site history - 2020 aerial photograph

Capture Date: 11/04/2020

Site Area: 255.26ha

Recent site history - 2014 aerial photograph

Capture Date: 06/06/2014

Site Area: 255.26ha

Recent site history - 2005 aerial photograph

Capture Date: 04/09/2005

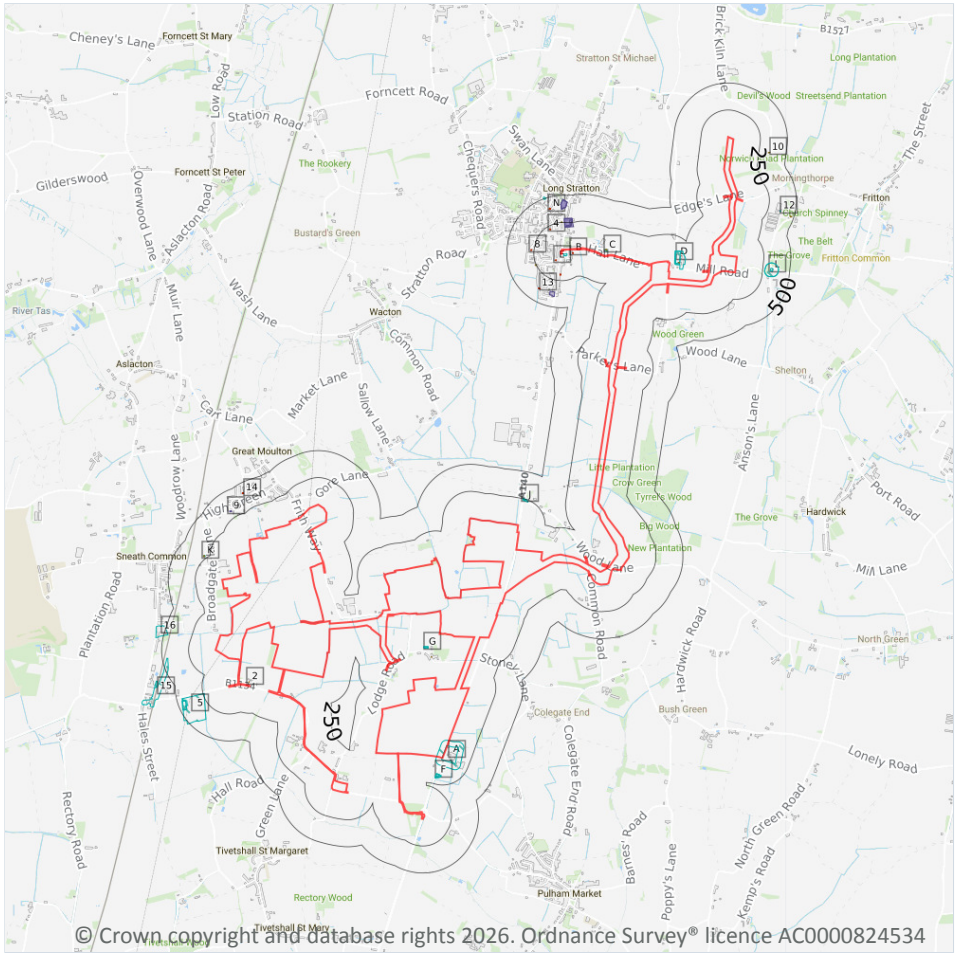
Site Area: 255.26ha

Recent site history - 1999 aerial photograph

Capture Date: 25/06/1999

Site Area: 255.26ha

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	31

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 11 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Workhouse**	**1883**	**2358264**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Union Workhouse**	**1906**	**2360930**
1	20m E	Police Station	1979	2362670
C	38m N	Unspecified Tanks	1979	2360198
D	46m E	Corn Windmill	1883	2359226
D	49m E	Windmill	1946	2368256
D	56m E	Unspecified Mill	1979	2355708
D	81m E	Windmill	1906	2380238
D	81m E	Windmill	1951	2374019
F	154m S	Police Station	1951	2371359
F	156m S	Police Station	1906	2376238
F	159m S	Police Station	1946	2367797
F	159m S	Police Station	1883	2370090
G	159m SW	Unspecified Pit	1946 - 1951	2379725
G	159m SW	Unspecified Pit	1906	2368637
J	231m NE	Smithy	1946 - 1951	2380341
J	234m N	Smithy	1883	2383005
J	238m N	Smithy	1906	2364738
5	240m W	Brick Field	1883	2356351
K	268m NW	Unspecified Tank	1983	2357127
L	270m E	Smithy	1883	2376082
L	271m E	Smithy	1946 - 1951	2365363
L	320m E	Smithy	1906	2375576
12	362m E	Saw Pit	1946 - 1951	2363835
O	412m W	Clay Pit	1883	2358842
O	424m W	Unspecified Pit	1904 - 1928	2383045
O	425m W	Unspecified Kiln	1883	2357493
O	425m W	Unspecified Pit	1951	2363443
15	449m W	Railway Sidings	1951	2370289

ID	Location	Land use	Dates present	Group ID
16	462m W	Windmill	1904	2357661
18	492m N	Unspecified Pit	1953	2354713

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 11 >**

ID	Location	Land use	Dates present	Group ID
2	29m N	Tanks	1994	438104
C	46m N	Tanks	1976 - 1995	440673
D	85m E	Unspecified Tank	1976 - 1995	438848
H	194m N	Unspecified Tank	1994	440905
H	195m N	Unspecified Tank	1981	438706
6	249m SW	Unspecified Tank	1969 - 1995	439554
7	249m N	Unspecified Tank	1989 - 1995	439279
K	270m NW	Unspecified Tank	1981 - 1991	439731
10	336m E	Tanks	1976	438127
17	465m E	Tanks	1976	438128

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m	**15**

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 11 >**

ID	Location	Land use	Dates present	Group ID
B	30m S	Electricity Substation	1995	329029
B	31m S	Electricity Substation	1969 - 1989	331730
E	72m SW	Electricity Substation	1969 - 1989	330707
E	74m SW	Electricity Substation	1995	330802
D	119m NE	Electricity Substation	1976 - 1995	329971
3	189m S	Electricity Substation	1976 - 1995	328773
4	214m NW	Electricity Substation	1969 - 1995	330535
8	270m W	Electricity Substation	1969 - 1995	330017
13	376m SW	Electricity Substation	1976 - 1995	330830
N	390m N	Electricity Substation	1986 - 1989	329735
N	390m N	Electricity Substation	1969	330996
N	391m N	Electricity Substation	1989	329855
N	391m N	Electricity Substation	1976	331598
N	391m N	Electricity Substation	1995	329520
14	405m NW	Electricity Substation	1981 - 1991	330165

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	13

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 11 >**

ID	Location	Land use	Dates present	Group ID
I	208m N	Garage	1976	97620
I	209m N	Garage	1969	98461
I	209m N	Garage	1986	98595
I	209m N	Garage	1989	98333
I	210m N	Garage	1995	98343
I	211m N	Garage	1989	98326
9	309m NW	Garage	1981	97358
11	361m S	Garage	1976 - 1995	97758
M	374m N	Garage	1976	98375
M	375m N	Garage	1969	97961
M	375m N	Garage	1986 - 1989	98490
M	375m N	Garage	1995	98552
M	376m N	Garage	1989	97527

This data is sourced from Ordnance Survey® / Groundsure.

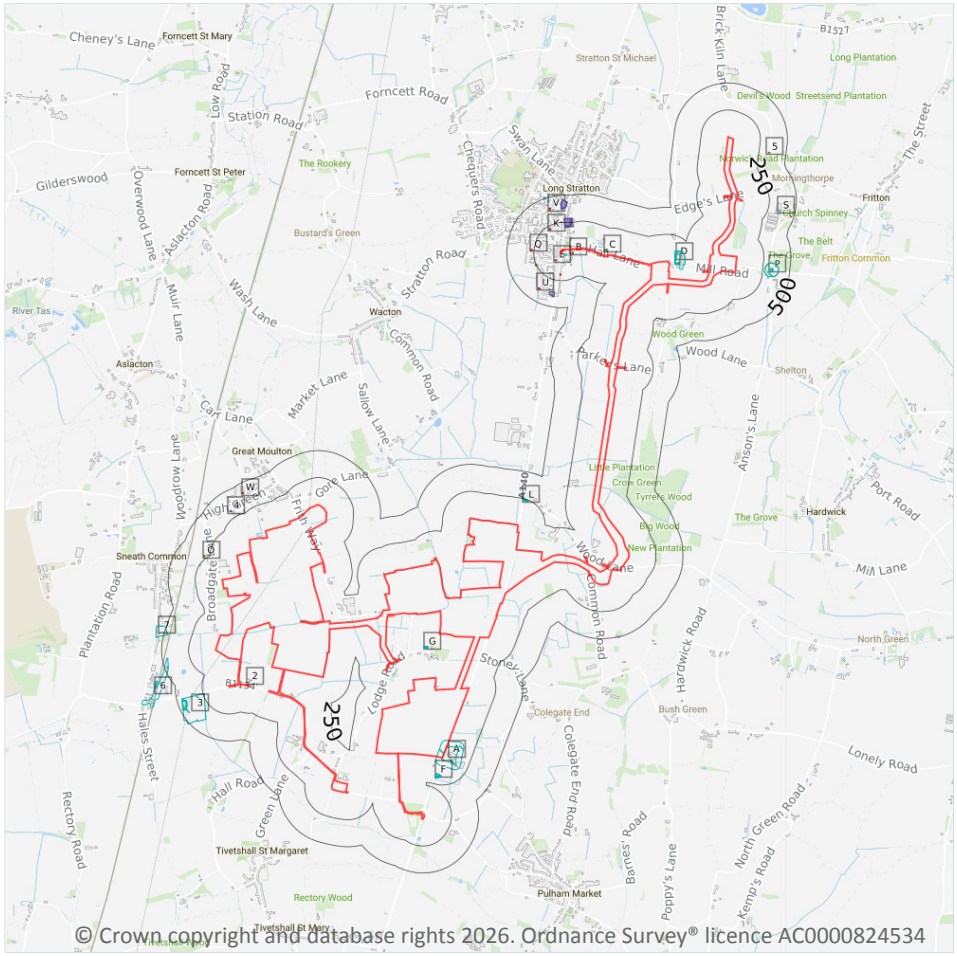
1.6 Historical military land

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	36

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 16 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Workhouse**	**1883**	**2358264**
A	**On site**	**Union Workhouse**	**1906**	**2360930**
1	20m E	Police Station	1979	2362670

ID	Location	Land Use	Date	Group ID
C	38m N	Unspecified Tanks	1979	2360198
D	46m E	Corn Windmill	1883	2359226
D	49m E	Windmill	1946	2368256
D	56m E	Unspecified Mill	1979	2355708
D	81m E	Windmill	1906	2380238
D	81m E	Windmill	1951	2374019
F	154m S	Police Station	1951	2371359
F	156m S	Police Station	1906	2376238
F	159m S	Police Station	1883	2370090
F	159m S	Police Station	1946	2367797
G	159m SW	Unspecified Pit	1946	2379725
G	159m SW	Unspecified Pit	1906	2368637
G	161m SW	Unspecified Pit	1951	2379725
L	231m NE	Smithy	1946	2380341
L	231m N	Smithy	1951	2380341
L	234m N	Smithy	1883	2383005
L	238m N	Smithy	1906	2364738
3	240m W	Brick Field	1883	2356351
O	268m NW	Unspecified Tank	1983	2357127
P	270m E	Smithy	1883	2376082
P	271m E	Smithy	1951	2365363
P	320m E	Smithy	1906	2375576
P	321m E	Smithy	1946	2365363
S	362m E	Saw Pit	1951	2363835
S	362m E	Saw Pit	1946	2363835
X	412m W	Clay Pit	1883	2358842
X	424m W	Unspecified Pit	1928	2383045
X	424m W	Unspecified Pit	1904	2383045

ID	Location	Land Use	Date	Group ID
X	425m W	Unspecified Kiln	1883	2357493
X	425m W	Unspecified Pit	1951	2363443
6	449m W	Railway Sidings	1951	2370289
7	462m W	Windmill	1904	2357661
9	492m N	Unspecified Pit	1953	2354713

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m	**19**

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 16 >**

ID	Location	Land Use	Date	Group ID
2	29m N	Tanks	1994	438104
C	46m N	Tanks	1976	440673
C	47m N	Tanks	1995	440673
D	85m E	Unspecified Tank	1995	438848
D	85m E	Unspecified Tank	1976	438848
I	194m N	Unspecified Tank	1994	440905
I	195m N	Unspecified Tank	1981	438706
M	249m SW	Unspecified Tank	1989	439554
M	249m SW	Unspecified Tank	1969	439554
M	249m SW	Unspecified Tank	1986	439554
N	249m N	Unspecified Tank	1989	439279
N	250m N	Unspecified Tank	1995	439279
M	251m SW	Unspecified Tank	1989	439554
M	251m SW	Unspecified Tank	1976	439554
M	252m SW	Unspecified Tank	1995	439554

ID	Location	Land Use	Date	Group ID
O	270m NW	Unspecified Tank	1981	439731
O	270m NW	Unspecified Tank	1991	439731
5	336m E	Tanks	1976	438127
8	465m E	Tanks	1976	438128

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m	**38**

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 16 >**

ID	Location	Land Use	Date	Group ID
B	30m S	Electricity Substation	1995	329029
B	31m S	Electricity Substation	1969	331730
B	31m S	Electricity Substation	1986	331730
B	31m S	Electricity Substation	1989	331730
B	32m S	Electricity Substation	1989	331730
B	32m S	Electricity Substation	1976	331730
E	72m SW	Electricity Substation	1969	330707
E	72m SW	Electricity Substation	1986	330707
E	72m SW	Electricity Substation	1989	330707
E	74m SW	Electricity Substation	1995	330802
E	75m SW	Electricity Substation	1989	330707
E	75m SW	Electricity Substation	1976	330707
D	119m NE	Electricity Substation	1995	329971
D	119m NE	Electricity Substation	1976	329971
H	189m S	Electricity Substation	1976	328773
H	190m S	Electricity Substation	1995	328773

ID	Location	Land Use	Date	Group ID
K	214m NW	Electricity Substation	1969	330535
K	214m NW	Electricity Substation	1986	330535
K	214m NW	Electricity Substation	1989	330535
K	214m NW	Electricity Substation	1989	330535
K	214m NW	Electricity Substation	1976	330535
K	215m NW	Electricity Substation	1995	330535
Q	270m W	Electricity Substation	1969	330017
Q	270m W	Electricity Substation	1986	330017
Q	270m W	Electricity Substation	1989	330017
Q	273m W	Electricity Substation	1989	330017
Q	273m W	Electricity Substation	1976	330017
Q	274m W	Electricity Substation	1995	330017
U	376m SW	Electricity Substation	1976	330830
U	377m SW	Electricity Substation	1995	330830
V	390m N	Electricity Substation	1969	330996
V	390m N	Electricity Substation	1986	329735
V	390m N	Electricity Substation	1989	329735
V	391m N	Electricity Substation	1989	329855
V	391m N	Electricity Substation	1976	331598
V	391m N	Electricity Substation	1995	329520
W	405m NW	Electricity Substation	1991	330165
W	405m NW	Electricity Substation	1981	330165

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	15

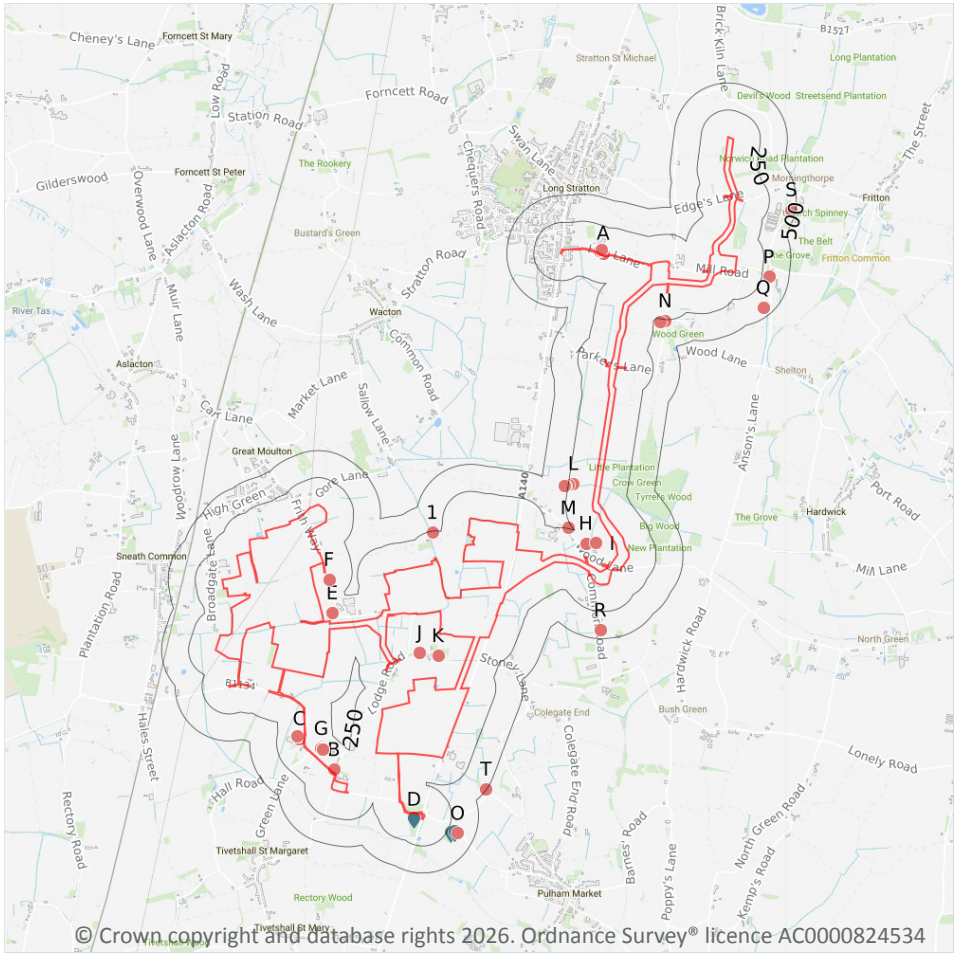
Garages digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 16 >**

ID	Location	Land Use	Date	Group ID
J	208m N	Garage	1976	97620
J	209m N	Garage	1969	98461
J	209m N	Garage	1986	98595
J	209m N	Garage	1989	98333
J	210m N	Garage	1995	98343
J	211m N	Garage	1989	98326
4	309m NW	Garage	1981	97358
R	361m S	Garage	1995	97758
R	362m S	Garage	1976	97758
T	374m N	Garage	1976	98375
T	375m N	Garage	1969	97961
T	375m N	Garage	1989	98490
T	375m N	Garage	1986	98490
T	375m N	Garage	1995	98552
T	376m N	Garage	1989	97527

This data is sourced from Ordnance Survey® / Groundsure.

3 Waste and landfill



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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	0

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.

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

3.5 Historical waste sites

Records within 500m	2

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 22 >**

ID	Location	Address	Further Details	Date
O	322m SE	Site Address: Yew Tree Farm, Tivetshall Road, Pulham Market, DISS, Norfolk, IP21 4XN	Type of Site: Waste Transfer Station Planning application reference: 2006/2034 Description: Scheme comprises extension of waste transfer station to incorporate trommel, loading bay and concrete crusher. An application (ref: 2006/2034) for detailed planning permission was granted by South Norfolk D.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
O	322m SE	Site Address: Yew Tree Farm, Tivetshall Road, Pulham Market, DISS, Norfolk, IP21 4XN	Type of Site: Waste Transfer Building Planning application reference: 07/2007/2146 C Description: Scheme comprises construction of waste transfer building to contain the waste approved under pervious planning permission. An application (ref: 07/2007/2146 C) for detailed planning permission was granted by South Norfolk D.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	7

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

Features are displayed on the Waste and landfill map on **page 22 >**

ID	Location	Details		
D	57m S	Site Name: Tivetshall St Margaret Site Address: Station Road, Tivetshall St Margaret, Long Stratton, Norfolk, NR15 2BA Correspondence Address: Manor Farm, Bridgham, Norwich, Norfolk, NR16 2RX	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ANT002 EPR reference: - Operator: Anti Waste Waste Management licence No: 70528 Annual Tonnage: 0	Issue Date: 27/07/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	57m S	Site Name: Tivetshall St Margaret Site Address: Waste Transfer Station, Station Road, Tivetshall St Margaret, Long Stratton, Norfolk, NR15 2BA Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ANT002 EPR reference: EA/EPR/YP3999NE/A001 Operator: Anti - Waste Ltd Waste Management licence No: 70528 Annual Tonnage: 75000	Issue Date: 27/07/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	57m S	Site Name: Tivetshall St Margaret Site Address: Waste Transfer Station, Station Road, Tivetshall St Margaret, Long Stratton, Norfolk, NR15 2BA Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 648721 EPR reference: EA/EPR/YP3999NE Operator: Anti-Waste Limited Waste Management licence No: 70528 Annual Tonnage: 75000	Issue Date: 27/07/1992 Effective Date: 27/07/1992 Modified: 29/01/2024 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
O	294m SE	Site Name: Pulham Market Site Address: Yew Tree Farm, Julian Road, Pulham Market, Norfolk, IP21 4XN Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ARK001 EPR reference: EA/EPR/QP3399NR/A001 Operator: Kent A R & Son Waste Management licence No: 70549 Annual Tonnage: 6250	Issue Date: 23/06/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
O	316m SE	Site Name: Yew Tree Farm Site Address: Yew Tree Farm, Tivetshall Road, Pullham Market, Diss, Norfolk, IP21 4XN Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ARK001 EPR reference: EA/EPR/QP3399NR/V002 Operator: [redacted] Waste Management licence No: 70549 Annual Tonnage: 6250	Issue Date: 23/06/1994 Effective Date: - Modified: 13/09/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
O	316m SE	Site Name: Yew Tree Farm Site Address: Yew Tree Farm, Tivetshall Road, Pullham Market, Diss, Norfolk, IP21 4XN Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ARK001 EPR reference: EA/EPR/QP3399NR/V Operator: [redacted] Waste Management licence No: 70549 Annual Tonnage: 7499	Issue Date: 23/06/1994 Effective Date: - Modified: 06/08/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
O	316m SE	Site Name: Yew Tree Farm Site Address: Yew Tree Farm, Tivetshall Road, Pulham Market, Diss, Norfolk, IP21 4XN Correspondence Address: -	Type of Site: - Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 645141 EPR reference: EA/EPR/QP3399NR Operator: [redacted] Waste Management licence No: 70549 Annual Tonnage: 74999	Issue Date: 23/06/1994 Effective Date: 23/06/1994 Modified: 23/06/1994 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m **294**

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 22 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Disposing of waste exemption	On a farm	Burning waste in the open
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Storing waste exemption	On a farm	Storage of waste in secure containers
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Storing waste exemption	On a farm	Storage of waste in a secure place
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Using waste exemption	On a farm	Incorporation of ash into soil
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Using waste exemption	On a farm	Use of waste for a specified purpose
A	13m N	Hall Farm, Long Stratton, Norwich, Nr15 2rn	WEX113951	Using waste exemption	On a farm	Use of waste in construction
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Using waste exemption	On a farm	Incorporation of ash into soil
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Using waste exemption	On a farm	Use of waste for a specified purpose
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Disposing of waste exemption	On a farm	Burning waste in the open
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Using waste exemption	On a farm	Use of waste in construction
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Storing waste exemption	On a farm	Storage of waste in a secure place
A	16m NE	Hall Farm, Hall Lane, Long Stratton, Norwich, Nr15 2rn	WEX257104	Storing waste exemption	On a farm	Storage of waste in secure containers
B	18m N	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX466915	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
B	18m N	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX466915	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	18m N	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX466915	Disposing of waste exemption	On a farm	Burning waste in the open
B	18m N	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX466915	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
A	38m NE	Hall Farm Long Stratton Norfolk Nr15 2rn	EPR/TF0634QV/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Storing waste exemption	On a farm	Storage of waste in a secure place
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Storing waste exemption	On a farm	Storage of waste in secure containers
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Using waste exemption	On a farm	Use of waste in construction
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Storing waste exemption	On a farm	Storage of sludge
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Disposing of waste exemption	On a farm	Burning waste in the open
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Disposing of waste exemption	On a farm	Disposal by incineration
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Using waste exemption	On a farm	Use of waste for a specified purpose
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Treating waste exemption	On a farm	Screening and blending of waste
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Using waste exemption	On a farm	Pig and poultry ash
C	44m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX443186	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Storing waste exemption	On a farm	Storage of waste in a secure place
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Storing waste exemption	On a farm	Storage of sludge

ID	Location	Site	Reference	Category	Sub-Category	Description
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Using waste exemption	On a farm	Use of waste in construction
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Disposal by incineration
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Disposing of waste exemption	On a farm	Disposal by incineration
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Disposing of waste exemption	On a farm	Burning waste in the open
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Treating waste exemption	On a farm	Screening and blending of waste
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Using waste exemption	On a farm	Use of waste in construction
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Storing waste exemption	On a farm	Storage of waste in secure containers
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Using waste exemption	On a farm	Use of waste for a specified purpose
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Storing waste exemption	On a farm	Storage of sludge
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Using waste exemption	On a farm	Pig and poultry ash
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Storing waste exemption	On a farm	Storage of waste in a secure place
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)

ID	Location	Site	Reference	Category	Sub-Category	Description
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX171699	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Cleaning, washing, spraying or coating relevant waste
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
C	70m W	Saddleback Farm Station Road Norwich Nr15 2bb	EPR/CE5850DF/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Disposing of waste exemption	On a farm	Disposal by incineration
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Disposing of waste exemption	On a farm	Burning waste in the open
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Storing waste exemption	On a farm	Storage of waste in a secure place
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Using waste exemption	On a farm	Use of waste in construction
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX008793	Using waste exemption	On a farm	Use of waste for a specified purpose
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Using waste exemption	On a farm	Use of mulch
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Treating waste exemption	On a farm	Screening and blending of waste
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	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
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Disposing of waste exemption	On a farm	Disposal by incineration
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Disposing of waste exemption	On a farm	Burning waste in the open
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Using waste exemption	On a farm	Use of waste for a specified purpose
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Using waste exemption	On a farm	Pig and poultry ash
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	70m W	Saddleback Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2bb	WEX306822	Storing waste exemption	On a farm	Storage of waste in secure containers
E	74m N	Frith Farm Frith Way Norwich Nr15 2as	EPR/TE5588PU/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
E	74m N	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
E	74m N	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
E	74m N	Frith Farm Frith Way Norwich Nr15 2as	EPR/TE5588PU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
E	74m N	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
E	74m N	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
E	74m N	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
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX192621	Disposing of waste exemption	On a farm	Burning waste in the open
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX192621	Storing waste exemption	On a farm	Storage of waste in a secure place
E	75m N	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
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX032359	Disposing of waste exemption	On a farm	Burning waste in the open
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX320871	Using waste exemption	On a farm	Use of waste for a specified purpose
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX320871	Using waste exemption	On a farm	Incorporation of ash into soil

ID	Location	Site	Reference	Category	Sub-Category	Description
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX320871	Storing waste exemption	On a farm	Storage of waste in a secure place
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX320871	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX320871	Disposing of waste exemption	On a farm	Burning waste in the open
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX192621	Using waste exemption	On a farm	Use of waste in construction
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX192621	Using waste exemption	On a farm	Use of waste for a specified purpose
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX192621	Using waste exemption	On a farm	Incorporation of ash into soil
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX320871	Using waste exemption	On a farm	Use of waste in construction
E	75m N	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
E	75m N	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
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX032359	Using waste exemption	On a farm	Use of waste in construction
E	75m N	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
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX032359	Using waste exemption	On a farm	Use of waste for a specified purpose
E	75m N	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX192621	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
F	79m SE	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX451913	Disposing of waste exemption	On a farm	Burning waste in the open
F	79m SE	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX451913	Using waste exemption	On a farm	Use of waste for a specified purpose
F	79m SE	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX451913	Using waste exemption	On a farm	Use of waste in construction
F	79m SE	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX451913	Using waste exemption	On a farm	Incorporation of ash into soil
F	79m SE	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX451913	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
F	79m SE	Frith Farm, Frith Way, Great Moulton, Norwich, Nr15 2as	WEX451913	Storing waste exemption	On a farm	Storage of waste in a secure place
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN /A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN /A001	Using waste exemption	Agricultural waste only	Spreading waste on non-agricultural land to confer benefit
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN /A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN /A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN /A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN /A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN /A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN/A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
G	86m NE	Chestnut Farm Station Road Norwich Nr15 2ba	EPR/SF0134BN/A001	Treating waste exemption	Agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
G	88m NE	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
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX050466	Disposing of waste exemption	On a farm	Burning waste in the open
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX208516	Storing waste exemption	On a farm	Storage of waste in a secure place
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX208516	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
G	88m NE	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
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX208516	Storing waste exemption	On a farm	Storage of waste in secure containers
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX050466	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
G	88m NE	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

ID	Location	Site	Reference	Category	Sub-Category	Description
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX050466	Storing waste exemption	On a farm	Storage of waste in secure containers
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX050466	Storing waste exemption	On a farm	Storage of waste in a secure place
G	88m NE	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
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX208516	Disposing of waste exemption	On a farm	Burning waste in the open
G	88m NE	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
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX335252	Disposing of waste exemption	On a farm	Burning waste in the open
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX335252	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
G	88m NE	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
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX335252	Storing waste exemption	On a farm	Storage of waste in secure containers
G	88m NE	Chestnut Farm, Station Road, Tivetshall St. Margaret, Norwich, Nr15 2ba	WEX335252	Storing waste exemption	On a farm	Storage of waste in a secure place
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX169228	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
H	117m N	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	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX169228	Disposing of waste exemption	On a farm	Burning waste in the open
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX010479	Disposing of waste exemption	On a farm	Burning waste in the open
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX169228	Using waste exemption	On a farm	Use of waste in construction
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX169228	Using waste exemption	On a farm	Use of waste for a specified purpose
H	117m N	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	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX169228	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
H	117m N	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	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX010479	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX010479	Using waste exemption	On a farm	Use of waste in construction
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX010479	Using waste exemption	On a farm	Use of waste for a specified purpose
H	117m N	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	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX303475	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste

ID	Location	Site	Reference	Category	Sub-Category	Description
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX303475	Using waste exemption	On a farm	Use of waste for a specified purpose
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX303475	Using waste exemption	On a farm	Use of waste in construction
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX303475	Disposing of waste exemption	On a farm	Burning waste in the open
H	117m N	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	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX370548	Disposing of waste exemption	On a farm	Burning waste in the open
H	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX370548	Using waste exemption	On a farm	Use of waste in construction
H	117m N	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	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX370548	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
H	117m N	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	117m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX370548	Using waste exemption	On a farm	Use of waste for a specified purpose
I	152m NE	Wood Farm Wood Lane Diss Norfolk Ip21 4xu	EPR/AH0771SL/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
I	152m NE	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
I	152m NE	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
I	152m NE	Wood Farm Wood Lane Diss Norfolk Ip21 4xu	EPR/AH0771SL/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste

ID	Location	Site	Reference	Category	Sub-Category	Description
I	152m NE	Wood Farm Wood Lane Diss Norfolk Ip21 4xu	EPR/AH0771SL/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
I	152m NE	Wood Farm Wood Lane Diss Norfolk Ip21 4xu	EPR/AH0771SL/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
J	191m E	Walk Farm Norwich Nr15 2au	EPR/YH0271AQ/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
J	191m E	Walk Farm Norwich Nr15 2au	EPR/YH0271AQ/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
J	191m E	Walk Farm Norwich Nr15 2au	EPR/YH0271AQ/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
J	191m E	Walk Farm Norwich Nr15 2au	EPR/YH0271AQ/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
K	199m N	Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au	WEX041864	Using waste exemption	On a farm	Use of waste in construction
K	199m N	Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au	WEX205704	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
K	199m N	Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au	WEX205704	Using waste exemption	On a farm	Use of waste in construction
K	199m N	Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au	WEX041864	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
K	199m N	Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au	WEX205704	Disposing of waste exemption	On a farm	Burning waste in the open
K	199m N	Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au	WEX205704	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
K	199m N	Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au	WEX041864	Disposing of waste exemption	On a farm	Burning waste in the open
K	199m N	Walk Farm, Tivetshall St. Margaret, Norwich, Nr15 2au	WEX041864	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
L	206m W	Crowgreen Farm Norwich Norfolk Nr15 2uz	EPR/LE5252QB/A001	Using waste exemption	Agricultural waste only	Pig and poultry ash
L	206m W	Crowgreen Farm Norwich Norfolk Nr15 2uz	EPR/LE5252QB/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
1	232m N	-	WEX291881	Storing waste exemption	On a farm	Storage of sludge
L	250m W	Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz	WEX450735	Disposing of waste exemption	On a farm	Burning waste in the open
L	250m W	Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz	WEX450735	Using waste exemption	On a farm	Pig and poultry ash
L	250m W	Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz	WEX450735	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
L	250m W	Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz	WEX450735	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
M	251m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX432797	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
M	251m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX432797	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
M	251m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX432797	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
M	251m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX432797	Disposing of waste exemption	On a farm	Burning waste in the open
M	251m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX432797	Using waste exemption	On a farm	Use of waste for a specified purpose
M	251m N	Wood Acre, Wood Lane, Pulham Market, Diss, Ip21 4xu	WEX432797	Using waste exemption	On a farm	Use of waste in construction
N	268m S	Wood Green Farm North, Wood Green, Long Stratton, Norwich, Nr15 2an	WEX045779	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
N	268m S	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
N	268m S	Wood Green Farm North, Wood Green, Long Stratton, Norwich, Nr15 2an	WEX045779	Disposing of waste exemption	On a farm	Burning waste in the open
N	268m S	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
L	278m W	Crowgreen Farm, Long Stratton, Norwich, Nr15 2uz	WEX021004	Disposing of waste exemption	On a farm	Burning waste in the open
L	278m W	Crowgreen Farm, Long Stratton, Norwich, Nr15 2uz	WEX021004	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
L	278m W	Crowgreen Farm, Long Stratton, Norwich, Nr15 2uz	WEX021004	Using waste exemption	On a farm	Pig and poultry ash
L	284m W	Crowgreen Farm, Wood Lane, Long Stratton, Nr15 2uz	WEX181480	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
L	284m W	Crowgreen Farm, Wood Lane, Long Stratton, Nr15 2uz	WEX181480	Disposing of waste exemption	On a farm	Burning waste in the open
L	284m W	Crowgreen Farm, Wood Lane, Long Stratton, Nr15 2uz	WEX181480	Using waste exemption	On a farm	Pig and poultry ash
L	284m W	Crowgreen Farm, Wood Lane, Long Stratton, Nr15 2uz	WEX181480	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
L	284m W	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
L	284m W	Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz	WEX314756	Disposing of waste exemption	On a farm	Burning waste in the open
L	284m W	Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz	WEX314756	Using waste exemption	On a farm	Pig and poultry ash

ID	Location	Site	Reference	Category	Sub-Category	Description
L	284m W	Crowgreen Farm, Wood Lane, Long Stratton, Norwich, Nr15 2uz	WEX314756	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
N	285m S	Wood Green Farm Wood Green Norwich Nr15 2rr	EPR/LF0530XU /A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
N	285m S	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
N	285m S	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
N	285m S	Wood Green Farm Wood Green Norwich Nr15 2rr	EPR/LF0530XU /A001	Using waste exemption	Agricultural waste only	Use of waste in construction
P	313m E	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
P	313m E	Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz	WEX127591	Using waste exemption	On a farm	Use of waste in construction
P	313m E	Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz	WEX127591	Using waste exemption	On a farm	Incorporation of ash into soil
P	313m E	Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz	WEX127591	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
P	313m E	Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz	WEX127591	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
P	313m E	Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz	WEX127591	Using waste exemption	On a farm	Use of waste for a specified purpose
P	313m E	Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz	WEX127591	Disposing of waste exemption	On a farm	Burning waste in the open
P	313m E	Moore Farm, The Green, Morningthorpe, Norwich, Nr15 2rz	WEX127591	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
P	313m E	-	WEX268395	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
P	313m E	-	WEX268395	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
P	313m E	-	WEX268395	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
P	313m E	-	WEX268395	Using waste exemption	On a farm	Incorporation of ash into soil
P	313m E	-	WEX268395	Using waste exemption	On a farm	Use of waste in construction
P	313m E	-	WEX268395	Using waste exemption	On a farm	Use of waste for a specified purpose
P	313m E	-	WEX268395	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
P	313m E	-	WEX268395	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
O	346m SE	Yew Tree Farm, Tivetshall Road, Pulham Market, Diss, Ip21 4xn	WEX184330	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	346m SE	Yew Tree Farm, Tivetshall Road, Pulham Market, Diss, Ip21 4xn	WEX022840	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	346m SE	Yew Tree Farm, Tivetshall Road, Pulham Market, Diss, Ip21 4xn	WEX317704	Storing waste exemption	Not on a farm	Storage of waste in a secure place
Q	422m SE	Moor Farm The Green Norwich Nr15 2rz	EPR/BF0005GQ/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
Q	422m SE	Moor Farm The Green Norwich Nr15 2rz	EPR/BF0005GQ/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
Q	422m SE	Moor Farm The Green Norwich Nr15 2rz	EPR/BF0005GQ/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
Q	422m SE	Moor Farm The Green Norwich Nr15 2rz	EPR/BF0005GQ/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
Q	422m SE	Moor Farm The Green Norwich Nr15 2rz	EPR/BF0005GQ/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters

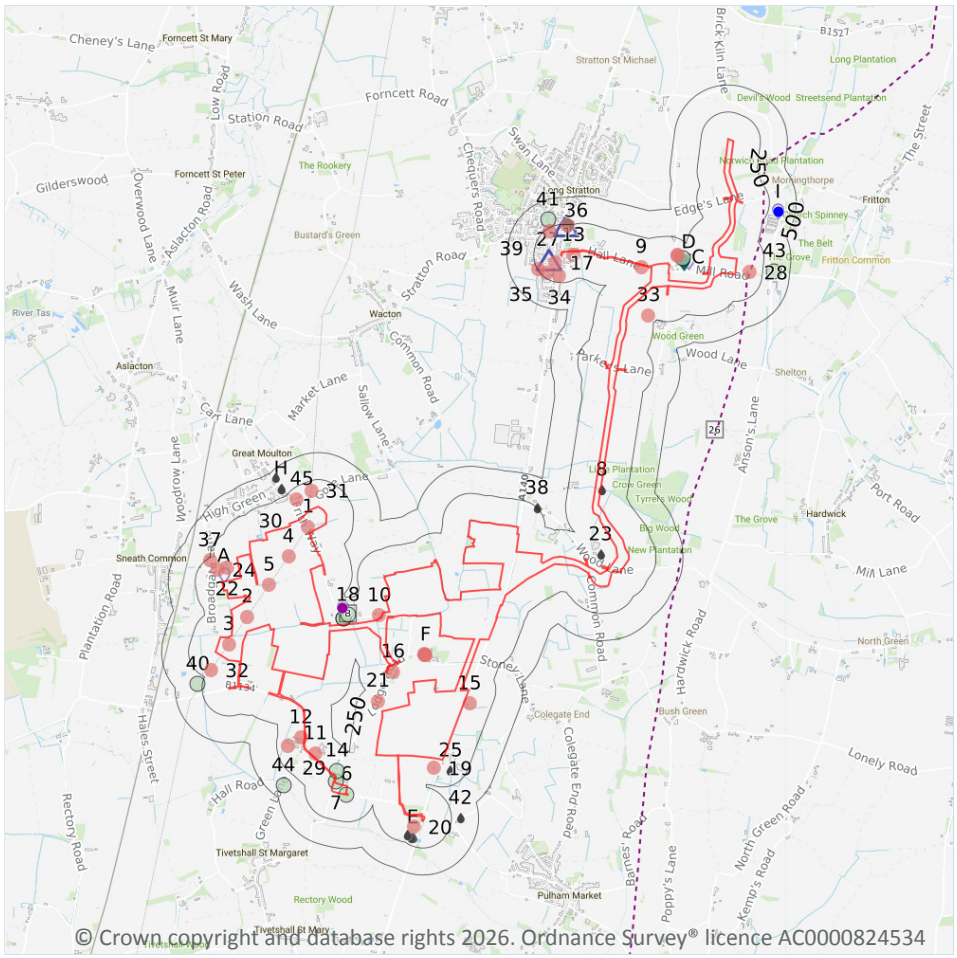
ID	Location	Site	Reference	Category	Sub-Category	Description
Q	422m SE	Moor Farm The Green Norwich Nr15 2rz	EPR/BF0005GQ/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
Q	422m SE	Moor Farm The Green Norwich Nr15 2rz	EPR/BF0005GQ/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
Q	422m SE	Moor Farm The Green Norwich Nr15 2rz	EPR/BF0005GQ/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
R	428m 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
R	428m 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
R	428m S	Land Adjoining, Grove Farm, North Green, Pulham Market, Diss, Ip21 4xt	WEX406385	Storing waste exemption	Not on a farm	Storage of waste in a secure place
R	428m S	Land Adjoining, Grove Farm, North Green, Pulham Market, Diss, Ip21 4xt	WEX406385	Using waste exemption	Not on a farm	Use of waste in construction
S	462m E	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
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX168307	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX168307	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX168307	Using waste exemption	On a farm	Use of waste in construction
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX007507	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX007507	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
S	462m E	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
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX007507	Using waste exemption	On a farm	Use of waste for a specified purpose
S	462m E	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
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX007507	Disposing of waste exemption	On a farm	Burning waste in the open
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX302016	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
S	462m E	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
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX302016	Using waste exemption	On a farm	Use of waste for a specified purpose
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX302016	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX302016	Using waste exemption	On a farm	Use of waste in construction
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX302016	Disposing of waste exemption	On a farm	Burning waste in the open
S	462m E	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
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX007507	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
S	462m E	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
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX168307	Disposing of waste exemption	On a farm	Burning waste in the open
S	462m E	Friars Farm, Morningthorpe, Norwich, Nr15 2ql	WEX168307	Using waste exemption	On a farm	Use of waste for a specified purpose
T	498m SE	Rookery Farm Grays Lane Diss Norfolk Ip21 4xq	EPR/SE5487GE /A001	Using waste exemption	Agricultural waste only	Use of waste in construction
T	498m SE	Rookery Farm Grays Lane Diss Norfolk Ip21 4xq	EPR/SE5487GE /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
T	498m SE	Rookery Farm Grays Lane Diss Norfolk Ip21 4xq	EPR/SE5487GE /A001	Treating waste exemption	Agricultural waste only	Aerobic composting and associated prior treatment
T	498m SE	Rookery Farm Grays Lane Diss Norfolk Ip21 4xq	EPR/SE5487GE /A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit

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	36

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Company	Address	Activity	Category
1	**On site**	**Pylon**	**Norfolk, NR15**	**Electrical Features**	**Infrastructure and Facilities**
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
4	**On site**	**Pylon**	**Norfolk, NR15**	**Electrical Features**	**Infrastructure and Facilities**
5	**On site**	**Pylon**	**Norfolk, NR15**	**Electrical Features**	**Infrastructure and Facilities**
9	20m S	R S S Cash Registers Ltd	Reeve Cottage, Hall Lane, Long Stratton, Norfolk, NR15 2RP	Office and Shop Equipment	Industrial Products
10	20m NW	J P Demolition & Recycling	Willows Farm, Frith Way, Great Moulton, Norfolk, NR15 2AT	Demolition Services	Construction Services
11	33m NE	Slurry Bed	Norfolk, NR15	Waste Storage, Processing and Disposal	Infrastructure and Facilities
12	35m W	Hoppers	Norfolk, NR15	Hoppers and Silos	Farming
13	36m S	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
15	49m E	Water Tower	Norfolk, IP21	Water Pumping Stations	Industrial Features
16	53m E	Hopper	Norfolk, NR15	Hoppers and Silos	Farming
17	83m SW	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
19	90m S	Incendium Fireplaces Ltd	Homefields, Ipswich Road, Tivetshall St Margaret, Norfolk, IP21 4XP	Fireplaces and Mantelpieces	Consumer Products
20	93m SW	Waste Recycling Centre	Norfolk, NR15	Recycling Centres	Infrastructure and Facilities
21	103m NW	Pump	Norfolk, NR15	Water Pumping Stations	Industrial Features
C	107m NE	Silo	Norfolk, NR15	Hoppers and Silos	Farming
22	107m W	Hopper	Norfolk, NR15	Hoppers and Silos	Farming
C	114m NE	Silo	Norfolk, NR15	Hoppers and Silos	Farming
24	117m N	Hoppers	Norfolk, NR15	Hoppers and Silos	Farming
28	130m E	Gas Valve Compound	Norfolk, NR15	Gas Features	Infrastructure and Facilities
29	149m W	Slurry Pit	Norfolk, NR15	Waste Storage, Processing and Disposal	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
30	157m NW	Gore Farm Tyres	Gore Lane Farm, Frith Way, Great Moulton, Norfolk, NR15 2AR	Vehicle Repair, Testing and Servicing	Repair and Servicing
31	163m NW	Pylon	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
32	165m SW	Pylon	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
33	167m SE	Wind Turbines	Norfolk, NR15	Energy Production	Industrial Features
34	185m S	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
35	202m SW	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
F	217m SW	Silo	Norfolk, NR15	Hoppers and Silos	Farming
F	217m SW	Silo	Norfolk, NR15	Hoppers and Silos	Farming
36	222m NW	Electricity Sub Station	Norfolk, NR15	Electrical Features	Infrastructure and Facilities
F	222m SW	Silo	Norfolk, NR15	Hoppers and Silos	Farming
F	223m SW	Silo	Norfolk, NR15	Hoppers and Silos	Farming
37	229m NW	Hoppers	Norfolk, NR15	Hoppers and Silos	Farming
G	238m N	Shell Stratton Motor Co	Ipswich Road, Long Stratton, Norwich, Norfolk, NR15 2XJ	Petrol and Fuel Stations	Road and Rail
39	249m SW	Stratton Vehicle Movers	61, Lime Tree Avenue, Long Stratton, Norfolk, NR15 2TL	Distribution and Haulage	Transport, Storage and Delivery

This data is sourced from Ordnance Survey®.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m	**1**

Current or recent tanks identified from the Ordnance Survey® NGD.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Tank description	Activity	Date first identified
B	105m N	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	27/06/2018

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m	2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Company	Address	LPG	Status
27	126m W	OBSOLETE	Ipswich Road, Lime Tree Avenue, Long Stratton, Norwich, Norfolk, NR15 2TG	Not Applicable	Obsolete
G	240m N	SHELL	The Street, Long Stratton, Norwich, Norfolk, NR15 2XJ	No	Open

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	1

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on **page 51 >**

ID	Location	Pipe Name	Details	
26	125m E	YELVERTON TO STOWMARKET	Pipe Number: - Pipeline Safety Regulations Number: - Ownership: National Grid Maximum Operating Pressure (Bar): -	Pipeline Diameter (mm): 900 Wall Thickness (mm): - Year of commission: Not specified Abandonment Status: Not abandoned

This data is sourced from National Grid.

4.6 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.

4.7 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.

4.8 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.

4.9 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.

4.10 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.

4.11 Licensed industrial activities (Part A(1))

Records within 500m	**12**

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 51 >**

ID	Location	Details	
A	49m N	Operator: [redacted] Installation Name: Broadgate Farm Poultry Unit - EPR/RP3734CB Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: RP3734CB Original Permit Number: RP3734CB	EPR Reference: EPR/RP3734CB Issue Date: 11/01/2013 Effective Date: 10/05/2021 Last date noted as effective: 07/01/2026 Status: Revoked
A	49m N	Operator: Buck Installation Name: Broadgate Farm Poultry Unit - EPR/RP3734CB Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: NP3105SP Original Permit Number: RP3734CB	EPR Reference: - Issue Date: 10/05/2021 Effective Date: 10/05/2021 Last date noted as effective: 21/03/2023 Status: Effective
B	149m N	Operator: [redacted] Installation Name: Lost Lands Farm Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: EP3131MM Original Permit Number: EP3131MM	EPR Reference: EPR/EP3131MM Issue Date: 27/07/2007 Effective Date: 01/08/2007 Last date noted as effective: 07/01/2026 Status: Superseded
B	149m N	Operator: FLATMAN Installation Name: LOST LANDS FARM Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: VP3835GZ Original Permit Number: EP3131MM	EPR Reference: EA/EPR/VP3835GZ/T001 Issue Date: - Effective Date: - Last date noted as effective: 01/07/2009 Status: REFUSED
B	149m N	Operator: Crown Chicken Limited Installation Name: Lost Lands Farm Poultry Unit - EPR/WP3438NR Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: QP3905PV Original Permit Number: WP3438NR	EPR Reference: - Issue Date: 26/07/2019 Effective Date: 26/07/2019 Last date noted as effective: 21/03/2023 Status: Effective
B	149m N	Operator: Crown Chicken Ltd Installation Name: Lost Lands Farm EPR/WP3438NR Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: LP3031NH Original Permit Number: WP3438NR	EPR Reference: - Issue Date: 12/08/2013 Effective Date: 12/08/2013 Last date noted as effective: 21/03/2023 Status: Superceded

ID	Location	Details	
B	149m N	Operator: Crown Chicken Limited Installation Name: Lost Lands Farm Poultry Unit - EPR/WP3438NR Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: BP3637DN Original Permit Number: WP3438NR	EPR Reference: - Issue Date: 06/12/2016 Effective Date: 06/12/2016 Last date noted as effective: 21/03/2023 Status: Superceded
B	149m N	Operator: CROWN CHICKEN LIMITED Installation Name: Lost Lands Farm Poultry Unit - EPR/WP3438NR Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: WP3438NR Original Permit Number: WP3438NR	EPR Reference: EPR/WP3438NR Issue Date: 08/07/2013 Effective Date: 26/07/2019 Last date noted as effective: 07/01/2026 Status: Effective
D	166m NW	Operator: Peddars Holdings Limited Installation Name: The Mill Process: MCP Permit Number: RP3129SN Original Permit Number: RP3129SN	EPR Reference: EPR/RP3129SN Issue Date: 20/11/2023 Effective Date: 16/11/2023 Last date noted as effective: 29/10/2024 Status: Effective
D	166m NW	Operator: PEDDARS HOLDINGS LIMITED Installation Name: The Mill Process: MCP Permit Number: RP3129SN Original Permit Number: RP3129SN	EPR Reference: EPR/RP3129SN Issue Date: 20/11/2023 Effective Date: 16/11/2023 Last date noted as effective: 07/01/2026 Status: Effective
I	340m E	Operator: SARGENT Installation Name: Friars Farm EPR/VP3138FM Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: VP3138FM Original Permit Number: VP3138FM	EPR Reference: EPR/VP3138FM Issue Date: 18/12/2012 Effective Date: 19/02/2021 Last date noted as effective: 07/01/2026 Status: Effective
I	340m E	Operator: Sargent Installation Name: Friars Farm EPR/VP3138FM Process: INTENSIVE FARMING; > 40,000 POULTRY Permit Number: BP3406SD Original Permit Number: VP3138FM	EPR Reference: - Issue Date: 19/02/2021 Effective Date: 19/02/2021 Last date noted as effective: 21/03/2023 Status: Effective

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

4.12 Licensed pollutant release (Part A(2)/B)

Records within 500m	**2**

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 51 >**

ID	Location	Address	Details	
D	131m E	Basil Leeder & Son, Long Stratton Mills, Norwich, Norfolk, NR15 2RU	Process: Pet Food Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	231m N	Stratton Motor Company (Norfolk) Ltd, Ipswich Road, Long Stratton, Norfolk, NR15 2XJ	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.13 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.

4.14 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 51 >**

ID	Location	Address	Details	
8	11m E	FERSFIELD, FERSFIELD, DISS, IP22	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AW4NF396X Permit Version: 1 Receiving Water: Trib Hundred River	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 27/09/1963 Effective Date: 27/09/1963 Revocation Date: 03/06/1984
23	109m N	WOOD FARMHOUSE ANNEX, WOOD LANE, PULHAM MARKET, DISS, NORFOLK, IP21 4XU	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRYP3827XC Permit Version: 1 Receiving Water: HEMPNALL BECK	Status: NEW ISSUED UNDER EPR 2010 Issue date: 04/12/2012 Effective Date: 04/12/2012 Revocation Date: -

ID	Location	Address	Details	
25	123m SE	PULHAM MKT GARDEN CENTRE, IPSWICH ROAD, PULHAM MARKET, DISS, NORFOLK, IP21 4XP	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PR4NF560 Permit Version: 1 Receiving Water: Trib River Waveney	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 27/05/1986 Effective Date: 27/05/1986 Revocation Date: -
E	177m SW	SOUTH-WEST A140/B1135, TIVETSHALL ST. MARGARET, NORFOLK	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - NOT WATER COMPANY Permit Number: PRENF10252 Permit Version: 1 Receiving Water: Starston Beck	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 24/01/1996 Effective Date: 24/01/1996 Revocation Date: -
E	182m SW	SOUTH-WEST A140/B1135, TIVETSHALL ST. MARGARET, NORFOLK	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: PRENF08263 Permit Version: 1 Receiving Water: Starston Beck	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 12/10/1992 Effective Date: 12/10/1992 Revocation Date: -
E	186m S	HILL HOUSE OLD PEOPLES HOME, IPSWICH ROAD, PULHAM MARKET, DISS, NORFOLK, IP21 4XP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR4NF349 Permit Version: 2 Receiving Water: TRIB OF RIVER WAVENEY	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 21/07/1992 Effective Date: 21/07/1992 Revocation Date: -
E	186m S	HILL HSE O/PEOPLES HOME, PULHAM MARKET, NORFOLK	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PR4NF349 Permit Version: 1 Receiving Water: STARSTON BECK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 25/01/1963 Effective Date: 25/01/1963 Revocation Date: 20/07/1992
38	248m NE	WOOD LANE, PULHAM MARKET, DISS, NORFOLK, IP21 4XU	Effluent Type: UNSPECIFIED Permit Number: PRELF00031 Permit Version: 1 Receiving Water: land	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 10/11/1988 Effective Date: 10/11/1988 Revocation Date: 01/10/1996
H	329m NW	FRITH WAY PLOTS 2-6, FRITH WAY, GREAT MOULTON, LONG STRATTON, NORWICH, NORFOLK, NR15 2AP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF02871 Permit Version: 1 Receiving Water: Trib River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 05/06/1990 Effective Date: 05/06/1990 Revocation Date: 08/01/1992

ID	Location	Address	Details	
H	329m NW	FRITH WAY PLOTS 2-6, FRITH WAY, GREAT MOULTON, LONG STRATTON, NORWICH, NORFOLK, NR15 2AP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF02871 Permit Version: 3 Receiving Water: Trib River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 08/09/1994 Effective Date: 08/09/1994 Revocation Date: 14/12/1999
H	329m NW	FRITH WAY PLOTS 2-6, FRITH WAY, GREAT MOULTON, LONG STRATTON, NORWICH, NORFOLK, NR15 2AP	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF02871 Permit Version: 2 Receiving Water: Trib River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 09/01/1992 Effective Date: 09/01/1992 Revocation Date: 07/09/1994
42	331m E	JULIANS FARMHOUSE, TIVETSHALL ROAD, PULHAM MARKET, DISS, NORFOLK, IP21 4XN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF00065 Permit Version: 1 Receiving Water: Trib Starston Beck	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 28/12/1988 Effective Date: 28/12/1988 Revocation Date: 26/01/1992
45	435m NW	ADJ FORMER RECTORY FRITH WAY, GT MOULTON, LONG STRATTON	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: PRENF10112 Permit Version: 1 Receiving Water: tributary River Tas	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 11/05/1995 Effective Date: 11/05/1995 Revocation Date: 12/06/1995

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

4.15 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.

4.16 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.

4.17 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.

4.18 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.

4.19 Pollution Incidents (EA/NRW)

Records within 500m	11

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 51 >**

ID	Location	Details	
6	**On site**	**Incident Date: 15/08/2003** **Incident Identification: 182234** **Pollutant: Inorganic Chemicals/Products** **Pollutant Description: Other Inorganic Chemical or Product**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 4 (No Impact)** **Air Impact: Category 4 (No Impact)**
7	10m E	Incident Date: 28/05/2003 Incident Identification: 161297 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
14	46m NE	Incident Date: 06/07/2001 Incident Identification: 14266 Pollutant: Agricultural Materials and Wastes Pollutant Description: Fertiliser	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	58m N	Incident Date: 17/04/2002 Incident Identification: 75629 Pollutant: Agricultural Materials and Wastes Pollutant Description: Other Agricultural Material or Waste	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
B	58m N	Incident Date: 17/04/2002 Incident Identification: 75629 Pollutant: Agricultural Materials and Wastes Pollutant Description: Other Agricultural Material or Waste	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
18	85m N	Incident Date: 23/08/2001 Incident Identification: 35434 Pollutant: Agricultural Materials and Wastes Pollutant Description: Other Agricultural Material or Waste	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	135m NE	Incident Date: 19/12/2001 Incident Identification: 53564 Pollutant: Contaminated Water Pollutant Description: Vehicle and Plant Washings	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
40	292m W	Incident Date: 22/04/2021 Incident Identification: 1926536 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
41	325m NW	Incident Date: 06/06/2001 Incident Identification: 7932 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
43	357m E	Incident Date: 29/01/2003 Incident Identification: 133911 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
44	382m SW	Incident Date: 30/09/2002 Incident Identification: 111519 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.20 Pollution inventory substances

Records within 500m	**4**

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 51 >**

ID: B, Location: 149m N, 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: B, Location: 149m N, 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: I, Location: 340m E, 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

ID: I, Location: 340m E, 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

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

4.21 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 51 >**

ID: B, Location: 149m N, 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
R1	Use principally as a fuel or other means to generate energy	234.64	Absolute Value	02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site	No
R1	Use principally as a fuel or other means to generate energy	9.138	Absolute Value	20 03 01	mixed municipal waste	No

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

4.22 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 Geology (basic)

5.1 Superficial geology (625k)

Records within 500m	1

Generalised geology data based on BGS's published poster maps of the UK (North and South). Superficial related themes digitised from 1977 first edition Quaternary map (North and South).

Location	Lex code	Description	Rock type
On site	**TILL-DMTN**	**TILL**	**DIAMICTON**

This data is sourced from the British Geological Survey.

5.2 Bedrock geology (625k)

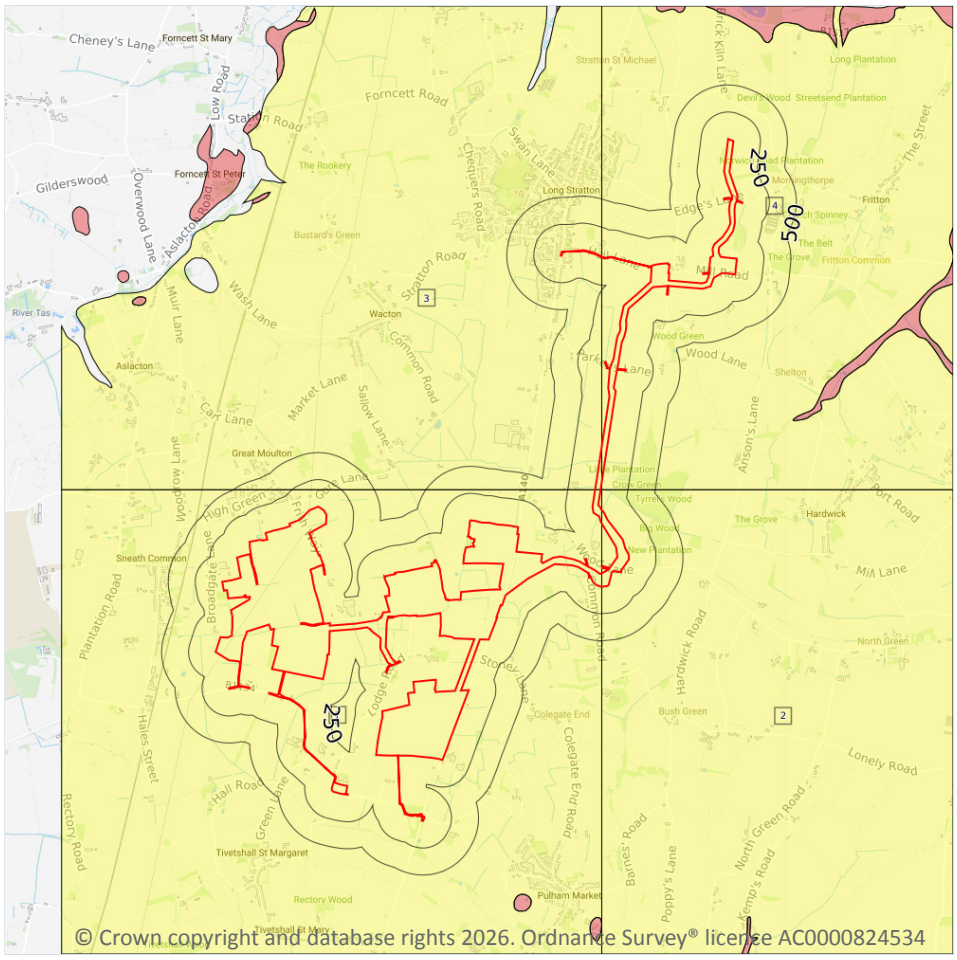
Records within 500m	3

Generalised geology data based on BGS's published poster maps of the UK (North and South). Bedrock related themes created through generalisation of 1:50,000 data.

Location	Lex code	Description	Rock type
On site	**NEOQ-GSSC**	**NEOGENE TO QUATERNARY ROCKS (UNDIFFERENTIATED)**	**GRAVEL, SAND, SILT AND CLAY**
On site	**NEOQ-GSSC**	**NEOGENE TO QUATERNARY ROCKS (UNDIFFERENTIATED)**	**GRAVEL, SAND, SILT AND CLAY**
On site	**WHCK-CHLK**	**WHITE CHALK SUBGROUP**	**CHALK**

This data is sourced from the British Geological Survey.

6 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

6.1 Superficial aquifer

Records within 500m	4

Aquifer status of groundwater held within superficial geology.

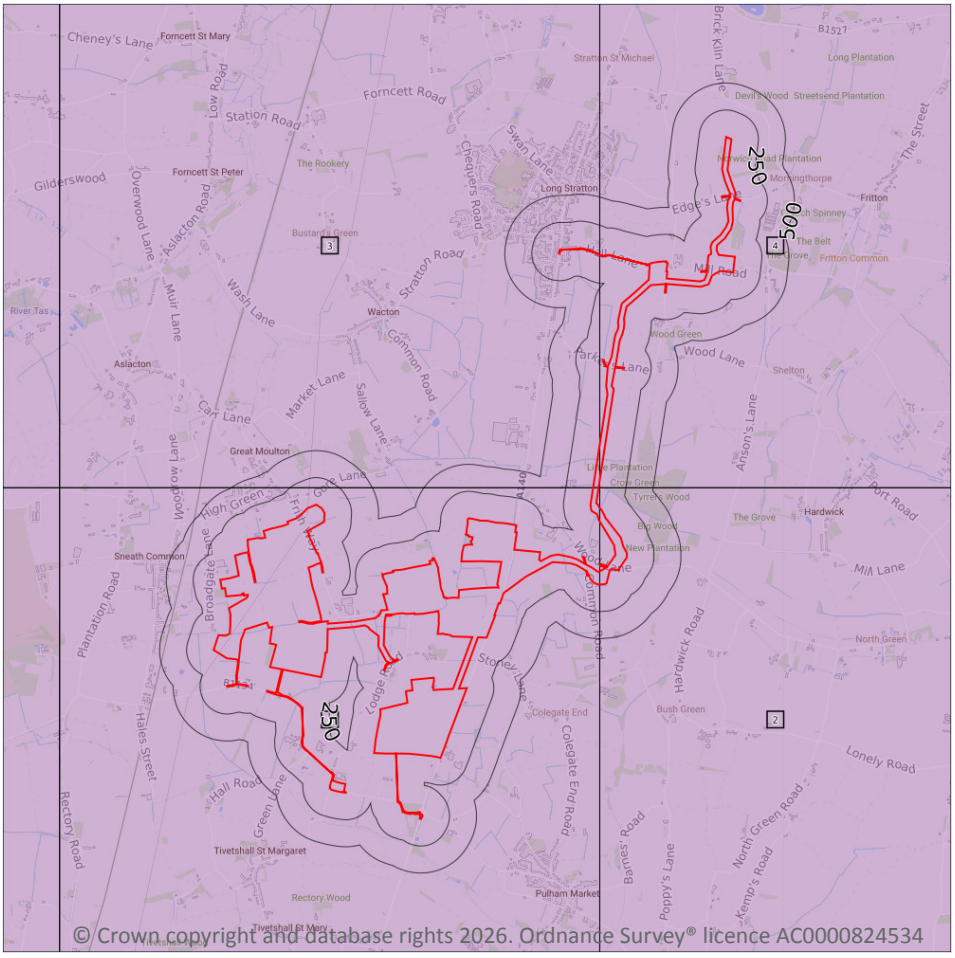
Features are displayed on the Hydrogeology map on **page 66 >**

ID	Location	Designation	Description
1	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
2	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

ID	Location	Designation	Description
3	**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**
4	**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**

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

6.2 Bedrock aquifer

Records within 500m	4

Aquifer status of groundwater held within bedrock geology.

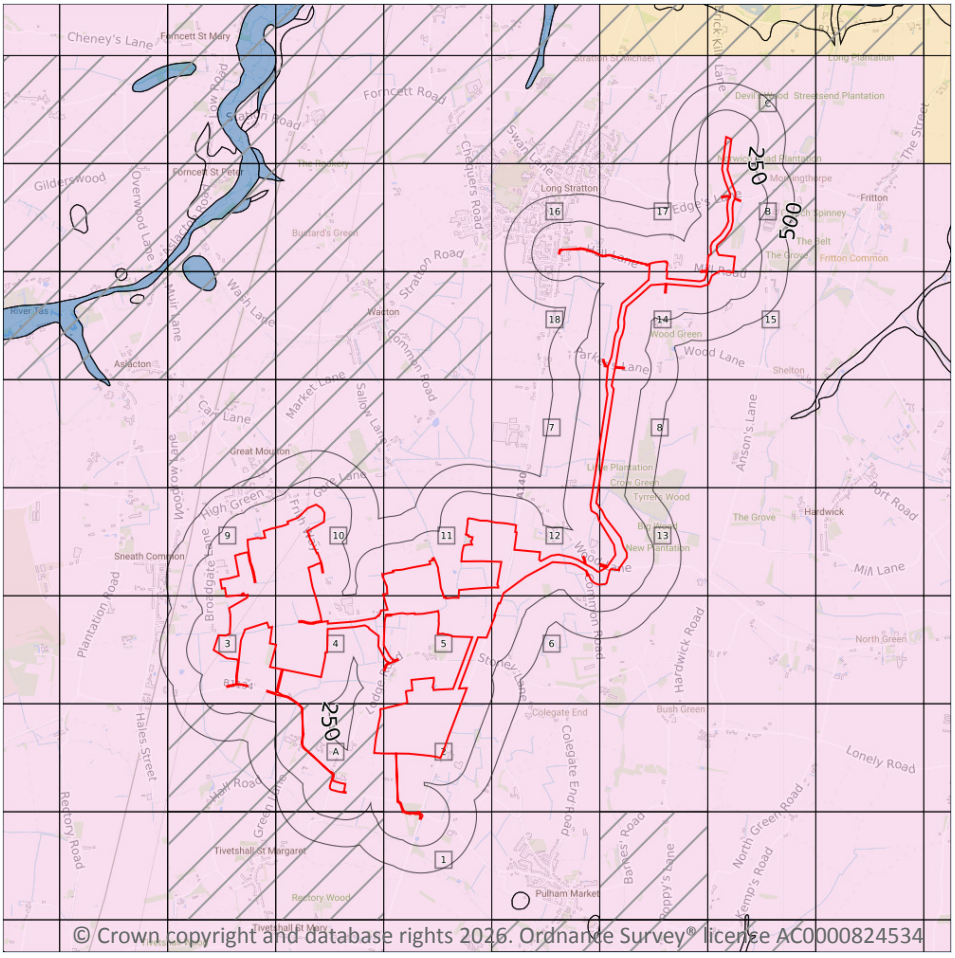
Features are displayed on the Bedrock aquifer map on **page 68 >**

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**

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

6.3 Groundwater vulnerability

Records within 50m	21

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 70 >**

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

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

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

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
B	**On site**	**Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year**	**Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures**
C	**On site**	**Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year**	**Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures**
18	28m W	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures

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

6.4 Groundwater vulnerability- soluble rock risk

Records on site	**3**

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.**	**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.**	**10.0%**

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

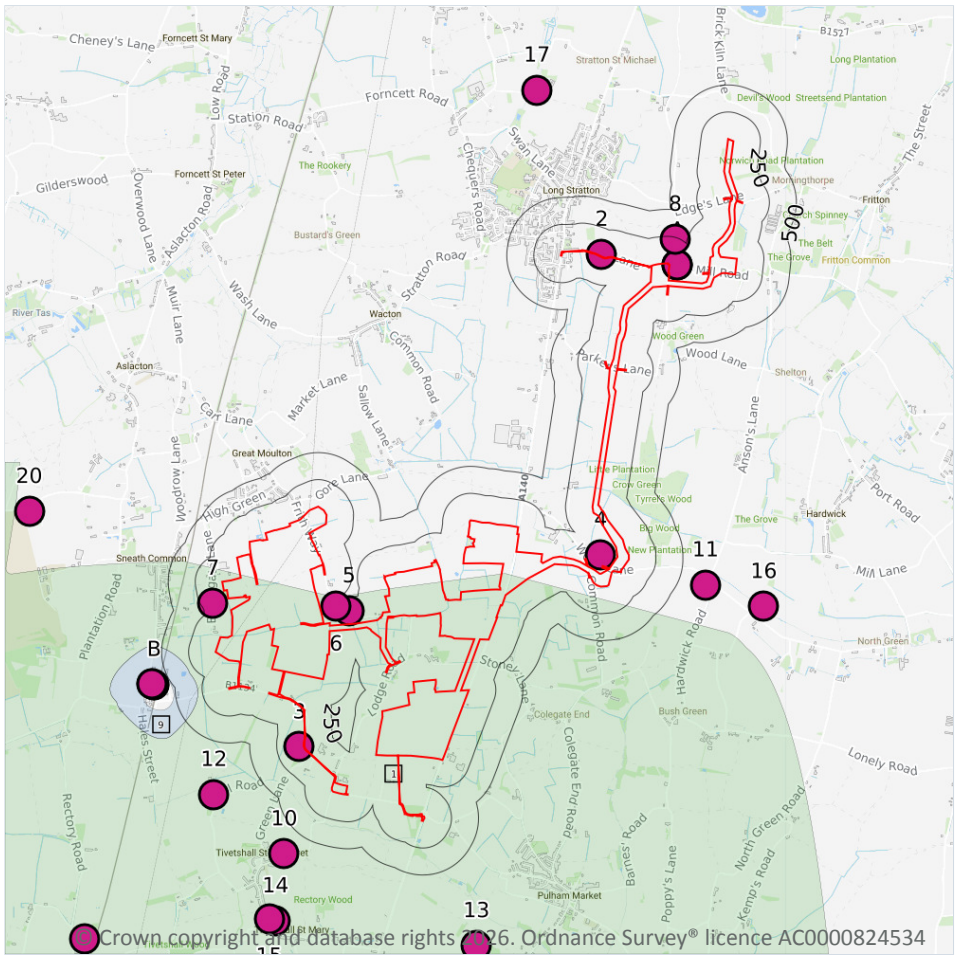
6.5 Groundwater vulnerability- local information

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 ↗.

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

Abstractions and Source Protection Zones



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Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

6.6 Groundwater abstractions

Records within 2000m	26

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 76 >**

ID	Location	Details	
2	20m NE	Status: Historical Licence No: 7/34/14/*G/0057 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL AT HALL FM,LONG STRATTON Data Type: Point Name: LEEDER Easting: 620000 Northing: 292180	Annual Volume (m^3): 8295 Max Daily Volume (m^3): 22.7 Original Application No: - Original Start Date: 01/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -
3	42m W	Status: Active Licence No: 7/34/18/*G/0063 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT TIVETSHALL ST. MARGARE Data Type: Point Name: Saddleback Farm Easting: 617200 Northing: 287620	Annual Volume (m^3): 9956 Max Daily Volume (m^3): 28 Original Application No: NPS/WR/037478 Original Start Date: 01/11/1973 Expiry Date: - Issue No: 103 Version Start Date: 26/06/2022 Version End Date: -
A	72m E	Status: Historical Licence No: 7/34/14/*G/0110 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT LONG STRATTON Data Type: Point Name: LEEDER Easting: 620700 Northing: 292080	Annual Volume (m^3): 7298.18 Max Daily Volume (m^3): 19.99 Original Application No: - Original Start Date: 01/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -
A	72m E	Status: Historical Licence No: 7/34/14/*G/0110 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT LONG STRATTON Data Type: Point Name: LEEDER Easting: 620700 Northing: 292080	Annual Volume (m^3): 7298.18 Max Daily Volume (m^3): 19.99 Original Application No: - Original Start Date: 01/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -
A	72m E	Status: Historical Licence No: 7/34/14/*G/0110 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT LONG STRATTON Data Type: Point Name: LEEDER Easting: 620700 Northing: 292080	Annual Volume (m^3): 7298.18 Max Daily Volume (m^3): 19.99 Original Application No: - Original Start Date: 01/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -

ID	Location	Details	
4	108m N	Status: Historical Licence No: 7/34/14/*G/0040 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT WOOD FM,PULHAM MARKET Data Type: Point Name: THACKER Easting: 619990 Northing: 289400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1966 Version End Date: -
5	124m N	Status: Historical Licence No: 7/34/18/*G/0097 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT GREAT MOULTON Data Type: Point Name: BURTON Easting: 617660 Northing: 288880	Annual Volume (m^3): 5000 Max Daily Volume (m^3): 18 Original Application No: - Original Start Date: 01/11/1997 Expiry Date: - Issue No: 100 Version Start Date: 01/11/1997 Version End Date: -
6	147m E	Status: Historical Licence No: 7/34/18/*G/0104 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE, FRITH WAY,GT.MOULTON Data Type: Point Name: B W GAPP & SONS Easting: 617540 Northing: 288920	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/06/1998 Expiry Date: - Issue No: 100 Version Start Date: 01/06/1998 Version End Date: -
7	149m W	Status: Historical Licence No: 7/34/18/*G/0027 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT BROADGATE WAY,GT MOU'N Data Type: Point Name: BARNES Easting: 616400 Northing: 288950	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1966 Version End Date: -
8	234m N	Status: Historical Licence No: 7/34/14/*G/0057 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE N OF WINDMILL,LONG ST'TON Data Type: Point Name: LEEDER Easting: 620680 Northing: 292320	Annual Volume (m^3): 8295 Max Daily Volume (m^3): 22.7 Original Application No: - Original Start Date: 01/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1993 Version End Date: -

ID	Location	Details	
B	644m SW	Status: Active Licence No: 7/34/18/*G/0026 Details: General Washing/Process Washing Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT MALTHOUSES,TIVETSHALL Data Type: Point Name: SIMPSONS MALT LTD Easting: 615856 Northing: 288198	Annual Volume (m^3): 169400 Max Daily Volume (m^3): 464 Original Application No: NPS/WR/023702 Original Start Date: 16/05/1966 Expiry Date: - Issue No: 105 Version Start Date: 01/04/2024 Version End Date: -
B	644m SW	Status: Historical Licence No: 7/34/18/*G/0026 Details: General Washing/Process Washing Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT MALTHOUSES,TIVETSHALL Data Type: Point Name: SIMPSONS MALT LTD Easting: 615856 Northing: 288198	Annual Volume (m^3): 184400 Max Daily Volume (m^3): 515 Original Application No: NPS/WR/023702 Original Start Date: 16/05/1966 Expiry Date: - Issue No: 105 Version Start Date: 01/04/2021 Version End Date: -
B	657m SW	Status: Historical Licence No: 7/34/18/*G/0026 Details: General Washing/Process Washing Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT MALTHOUSES,TIVETSHALL Data Type: Point Name: SIMPSONS MALT LTD Easting: 615840 Northing: 288200	Annual Volume (m^3): 184400 Max Daily Volume (m^3): 515 Original Application No: - Original Start Date: 16/05/1966 Expiry Date: - Issue No: 104 Version Start Date: 01/04/2010 Version End Date: -
B	657m SW	Status: Historical Licence No: 7/34/18/*G/0026 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT MALTHOUSES,TIVETSHALL Data Type: Point Name: J P SIMPSON & CO (ALNWICK) LTD Easting: 615840 Northing: 288200	Annual Volume (m^3): 184400 Max Daily Volume (m^3): 464 Original Application No: - Original Start Date: 01/05/1966 Expiry Date: - Issue No: 101 Version Start Date: 22/01/2002 Version End Date: -
10	732m SW	Status: Historical Licence No: 7/34/18/*G/0012 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORED WELL,ELM TREE FM,TIVET'L Data Type: Point Name: WOOD Easting: 617060 Northing: 286630	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1966 Version End Date: -

ID	Location	Details	
11	747m E	Status: Historical Licence No: 7/34/14/*G/0050 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL,BALES'FM,PULHAM MARKET Data Type: Point Name: ERNEST GEORGE WHITEROD & SONS Easting: 620960 Northing: 289120	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1966 Version End Date: -
12	940m SW	Status: Historical Licence No: 7/34/18/*G/0034 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT HALL FM,TIVETSHALL S M Data Type: Point Name: COPYFARM (BLACKMORE) LTD Easting: 616410 Northing: 287180	Annual Volume (m^3): 6800 Max Daily Volume (m^3): 20 Original Application No: - Original Start Date: 01/09/1966 Expiry Date: - Issue No: 101 Version Start Date: 17/07/2000 Version End Date: -
13	1255m SE	Status: Historical Licence No: 7/34/18/*G/0065 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT HALL FM,PULHAM MKT Data Type: Point Name: YOUNG (PULHAM MARKET) LTD Easting: 618840 Northing: 285780	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/10/1976 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1976 Version End Date: -
14	1309m SW	Status: Historical Licence No: 7/34/16/*G/0045 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT CROFT HOUSE,TIVETSHALL Data Type: Point Name: GILL Easting: 616980 Northing: 286010	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/09/1966 Version End Date: -
15	1316m SW	Status: Historical Licence No: 7/34/16/*G/0057 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT CROFT FM,TIVETSHALL Data Type: Point Name: CAWSTON Easting: 616920 Northing: 286030	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/05/1973 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1973 Version End Date: -

ID	Location	Details	
16	1322m E	Status: Historical Licence No: 7/34/14/*G/0084 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BORE AT GROVE FM,PULHAM MKT Data Type: Point Name: DAVIDSON Easting: 621500 Northing: 288920	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/1968 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1995 Version End Date: -
17	1513m N	Status: Historical Licence No: 7/34/14/*G/0128 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT PICTON ROAD, THARSTON, NORWICH Data Type: Point Name: SMITH Easting: 619400 Northing: 293700	Annual Volume (m^3): 5000 Max Daily Volume (m^3): 20 Original Application No: - Original Start Date: - Expiry Date: 31/12/2020 Issue No: 1 Version Start Date: 21/05/2001 Version End Date: -
-	1545m N	Status: Historical Licence No: 7/34/14/*G/0002 Details: Spray Irrigation - Direct Direct Source: GROUND WATER SOURCE OF SUPPLY Point: RES AT FRIARS FM,MORNINGTHORPE Data Type: Point Name: SARGENT Easting: 621360 Northing: 294780	Annual Volume (m^3): 44545 Max Daily Volume (m^3): 682 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1992 Version End Date: -
-	1838m N	Status: Historical Licence No: 7/34/14/*G/0056 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: WELL AT FAIRSTEAD FM,HEMPNALL Data Type: Point Name: SARGENT Easting: 621300 Northing: 295080	Annual Volume (m^3): 4545 Max Daily Volume (m^3): 18.18 Original Application No: - Original Start Date: 01/08/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1992 Version End Date: -
20	1902m W	Status: Historical Licence No: 7/34/14/*G/0118 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT TIBENHAM Data Type: Point Name: BERNARD MATTHEWS FOODS LTD Easting: 614700 Northing: 289800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/02/1995 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1995 Version End Date: -

ID	Location	Details	
-	1967m N	Status: Historical Licence No: 7/34/14/*G/0113 Details: General Farming & Domestic Direct Source: GROUND WATER SOURCE OF SUPPLY Point: BOREHOLE AT HEMPNALL Data Type: Point Name: REEDER Easting: 621400 Northing: 295200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/03/1993 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1993 Version End Date: -

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

6.7 Surface water abstractions

Records within 2000m	**0**

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.

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

6.8 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.

6.9 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 76 >**

ID	Location	Type	Description
1	**On site**	**3**	**Total catchment**
9	291m W	2	Outer catchment

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

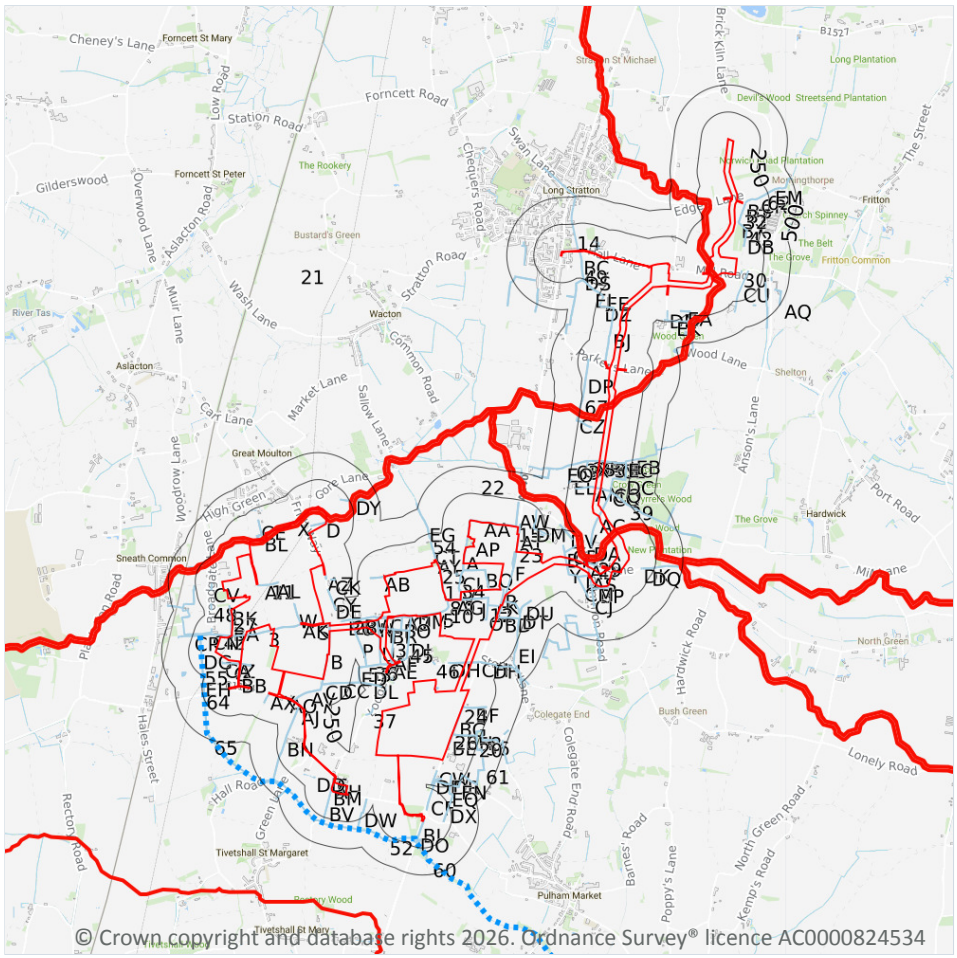
6.10 Source Protection Zones (confined aquifer)

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.

7 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

7.1 Water Network (OS MasterMap)

Records within 250m	308

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 84 >**

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.	Underground	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	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
6	On site	Lake, loch or reservoir.	On ground surface	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	Lake, loch or reservoir.	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.	On ground surface	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)	-
C	On site	Inland river not influenced by normal tidal action.	Underground	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	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)	-
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)	-
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)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
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.	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.	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)	-
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)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
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	Lake, loch or reservoir.	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.	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)	-
V	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)	-
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.	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)	-
AB	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)	-
AD	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)	-
AE	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)	-
AF	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)	-
AH	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)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
AJ	**On site**	**Inland river not influenced by normal tidal action.**	**Underground**	**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)**	-
AL	**On site**	**Inland river not influenced by normal tidal action.**	**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)**	-
AN	**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.**	**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)**	-
AE	**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)**	-
AP	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	-
AS	1m 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
AT	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	1m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
23	1m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AU	1m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AU	1m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	2m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	2m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AW	2m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AX	2m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	2m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AZ	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Z	2m 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
AY	3m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	3m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BC	3m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	3m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BB	3m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BA	3m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BD	4m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BE	4m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
24	4m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BF	4m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BG	4m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
25	4m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Z	4m 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
26	5m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BH	5m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BI	6m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AP	7m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BJ	7m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BL	9m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BM	9m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BK	10m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
27	10m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	11m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	12m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AU	12m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BN	12m 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
BM	12m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BO	12m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BP	13m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BQ	13m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	22m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	23m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	25m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BR	25m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BM	28m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	28m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BS	28m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BS	29m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BT	29m 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
BU	31m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AX	31m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BR	32m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BV	32m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BW	34m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BX	35m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	36m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	37m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BL	38m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BL	38m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BL	39m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
28	41m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AX	43m 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
BY	44m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CB	45m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BY	45m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CA	47m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CC	49m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CD	49m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CD	49m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
29	51m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
30	52m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BL	54m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
31	55m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CE	56m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CF	57m 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
32	63m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CH	64m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CI	65m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CJ	65m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	66m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
33	68m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AE	68m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BR	69m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CK	70m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BR	71m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
34	71m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BR	71m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CL	72m 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
CH	74m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CM	81m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	83m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
36	84m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
37	90m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CO	92m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CO	92m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CQ	93m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BS	93m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CN	94m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CO	94m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CO	96m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CQ	96m 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
CQ	96m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CR	97m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CO	97m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CS	97m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CT	98m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CO	98m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
39	99m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CQ	99m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CU	99m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CV	99m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	102m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CT	103m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CS	106m 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
CW	107m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CS	107m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	107m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CX	107m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CY	115m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CZ	118m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	119m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
42	121m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CW	121m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DB	123m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BR	124m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DC	126m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DD	128m 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
DE	129m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CJ	130m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
BR	130m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DE	130m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DA	131m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DF	131m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DG	133m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BR	133m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DH	134m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DI	135m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CJ	136m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
BR	137m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DJ	138m 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
45	139m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DK	139m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DL	140m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CJ	142m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DI	142m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
46	143m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DM	143m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	145m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CJ	147m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DK	149m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DO	152m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DP	153m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DQ	155m SE	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	160m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DR	161m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
48	164m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
49	165m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
52	169m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DS	169m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DF	171m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	174m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DT	174m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DU	174m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DV	176m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	176m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DW	178m 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
DX	178m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DY	181m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CN	183m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
CP	183m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DZ	186m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EA	188m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
53	189m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DF	189m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
CP	190m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DF	191m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EB	191m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	192m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
54	194m N	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
EC	194m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	195m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DZ	195m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DT	198m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
ED	198m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DT	200m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	203m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
55	203m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
56	204m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EG	205m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
58	205m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EC	206m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	206m 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
DO	206m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DF	206m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EE	207m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DZ	207m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DF	207m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EC	208m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DH	208m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EH	208m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DN	209m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DT	210m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
DZ	210m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
60	210m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EJ	214m NW	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
EI	215m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DZ	216m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
61	218m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EK	220m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DZ	220m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EL	221m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
62	223m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
63	225m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EM	227m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DH	229m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EN	230m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
EO	231m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DH	233m 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
DN	233m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
64	235m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EL	237m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
65	238m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
DF	241m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EQ	241m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
67	242m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
EL	247m W	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®.

7.2 Surface water features

Records within 250m	**126**

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 84 >**

This data is sourced from the Ordnance Survey®.

7.3 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 84 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
20	**On site**	**River**	**Starston Brook**	**GB105034045880**	**Waveney**	**Broadland Rivers**
21	**On site**	**River**	**Tas (Head to Tasburgh)**	**GB105034045730**	**Yare**	**Broadland Rivers**
AQ	**On site**	**River**	**Hempnall Beck**	**GB105034045720**	**Yare**	**Broadland Rivers**

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

7.4 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 84 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
43	133m W	River	Starston Brook	GB105034045880 ↗	Moderate	Fail	Moderate	2019
-	1427m N	River	Hempnall Beck	GB105034045720 ↗	Poor	Fail	Poor	2019
-	2549m NW	River	Tas (Head to Tasburgh)	GB105034045730 ↗	Moderate	Fail	Moderate	2019

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

7.5 WFD Groundwater bodies

Records on site	1

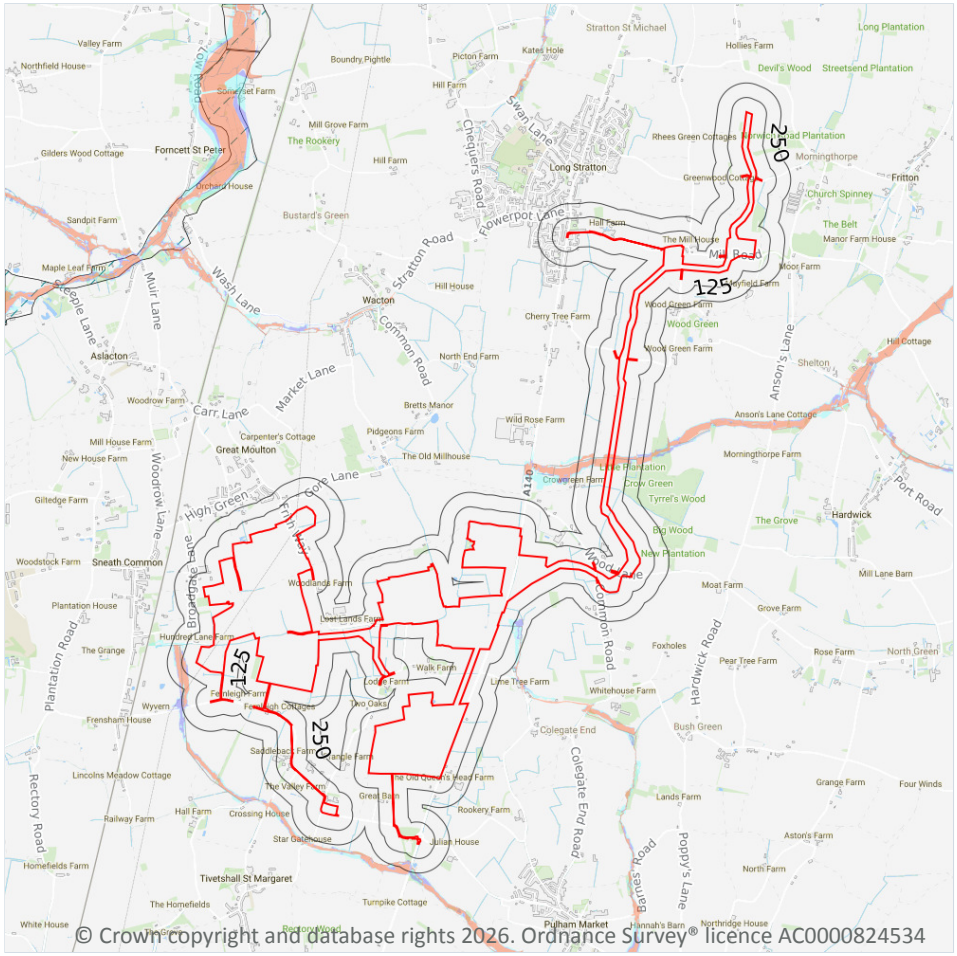
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 84 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
22	**On site**	**Broadland Rivers Chalk & Crag**	**GB40501G400300** ↗	**Poor**	**Poor**	**Poor**	**2019**

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

8 River and coastal flooding



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

8.1 Risk of flooding from rivers and the sea

Records within 50m	9

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 111 >**

Distance	Flood risk category
On site	**High**
0 - 50m	High

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

8.2 Historical Flood Events

Records within 250m	**0**

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.

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

8.3 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.

8.4 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.

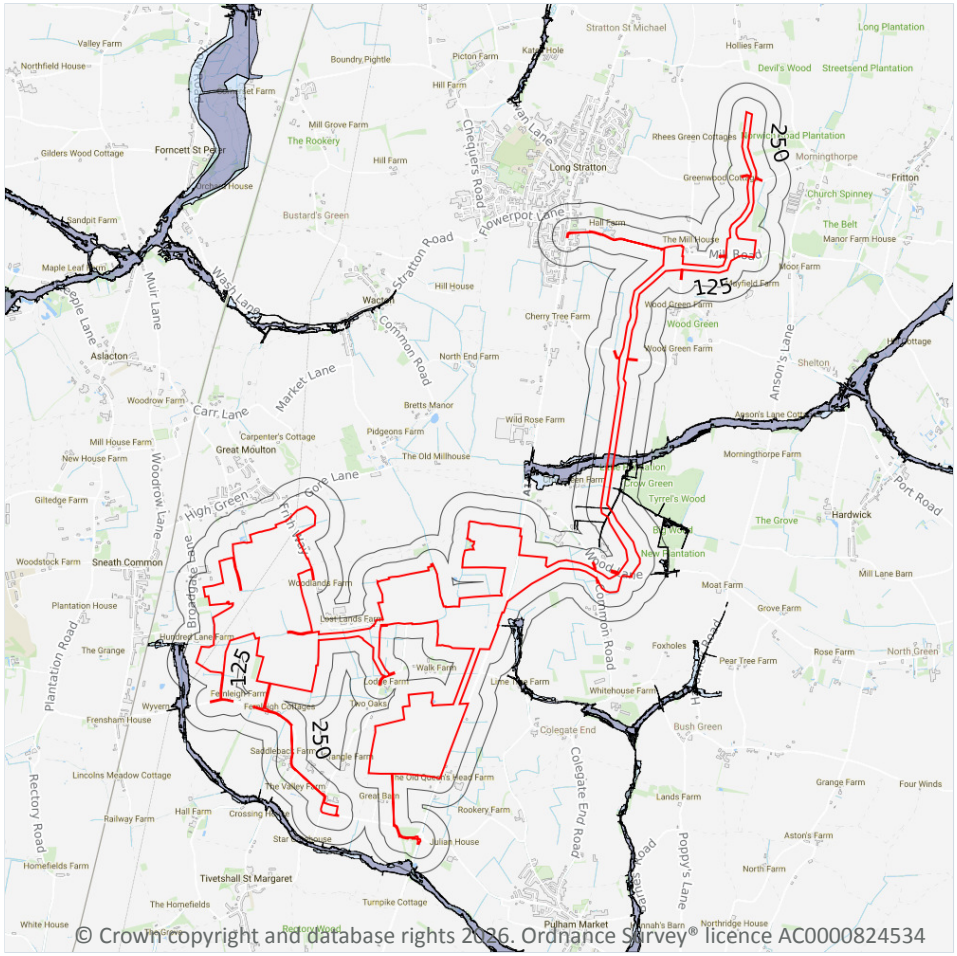
8.5 Flood Storage Areas

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



8.6 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 111 >**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

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

8.7 Flood Zone 3

Records within 50m	1

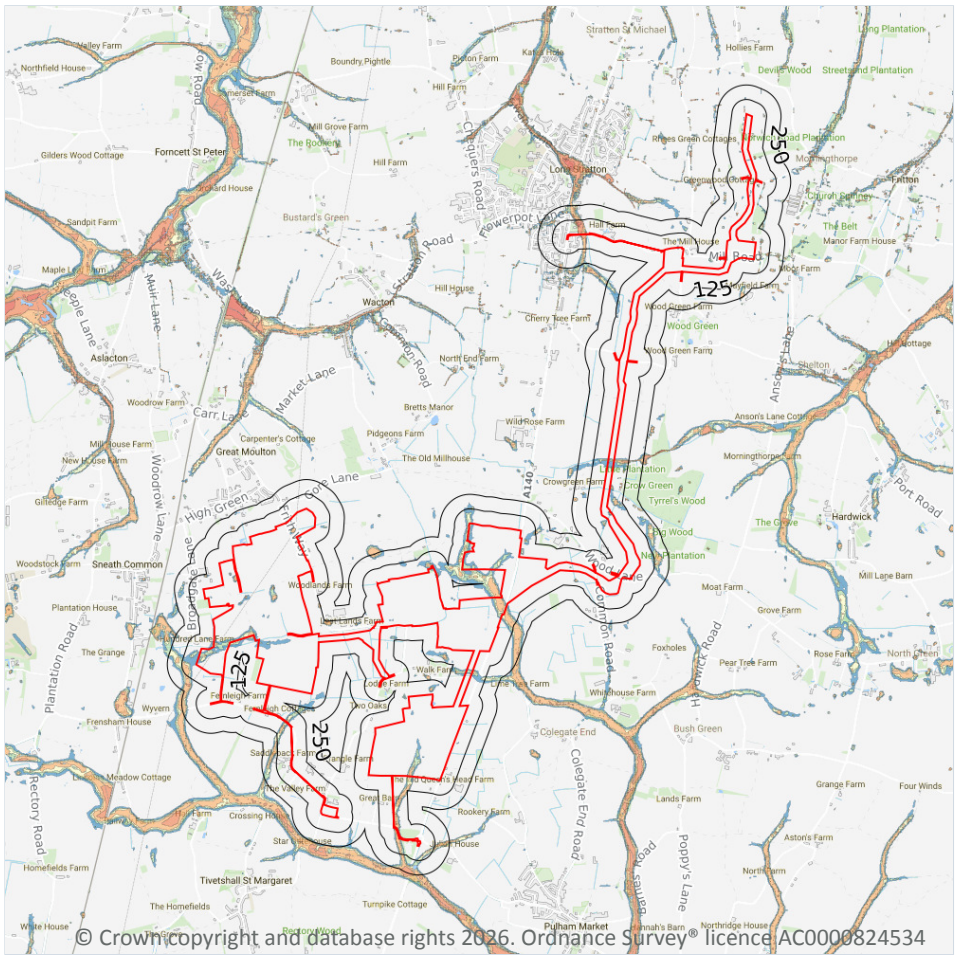
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 111 >**

Location	Type
On site	**Zone 3 - (Fluvial /Tidal Models)**

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

9 Surface water flooding



Site Outline

Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

9.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 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 115 >**

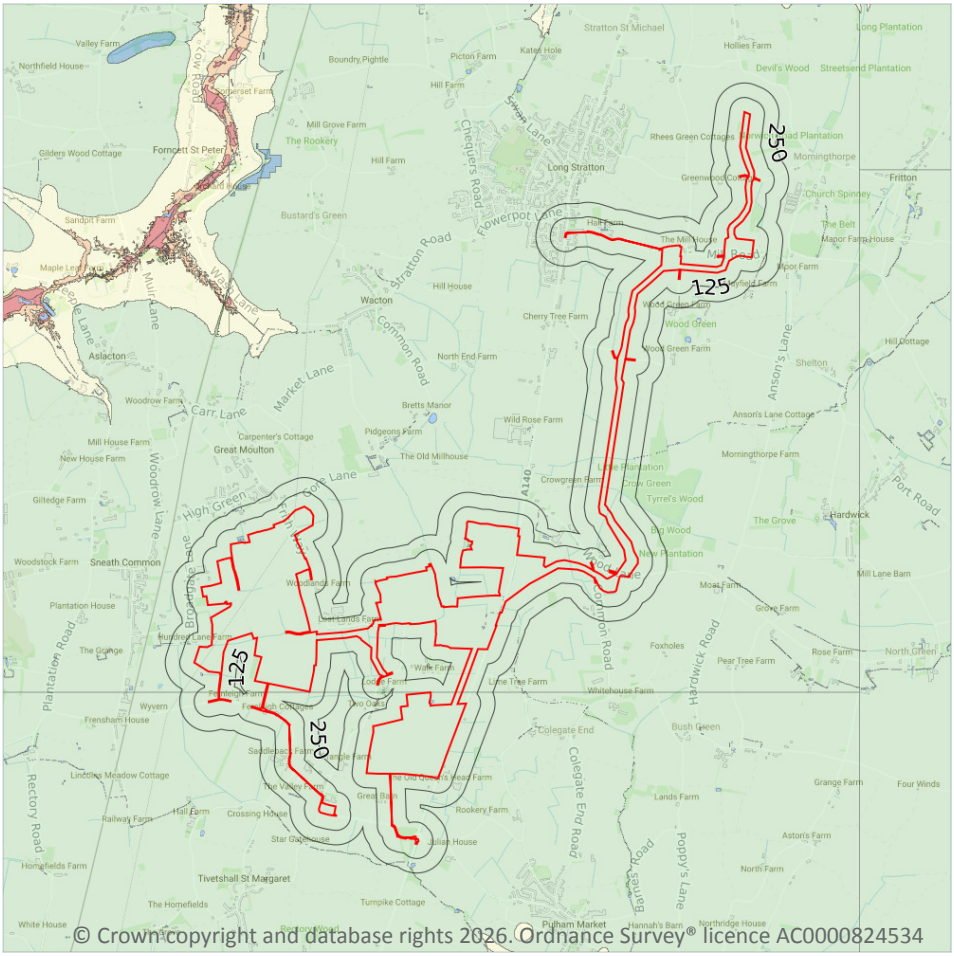
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

10 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

10.1 Groundwater flooding

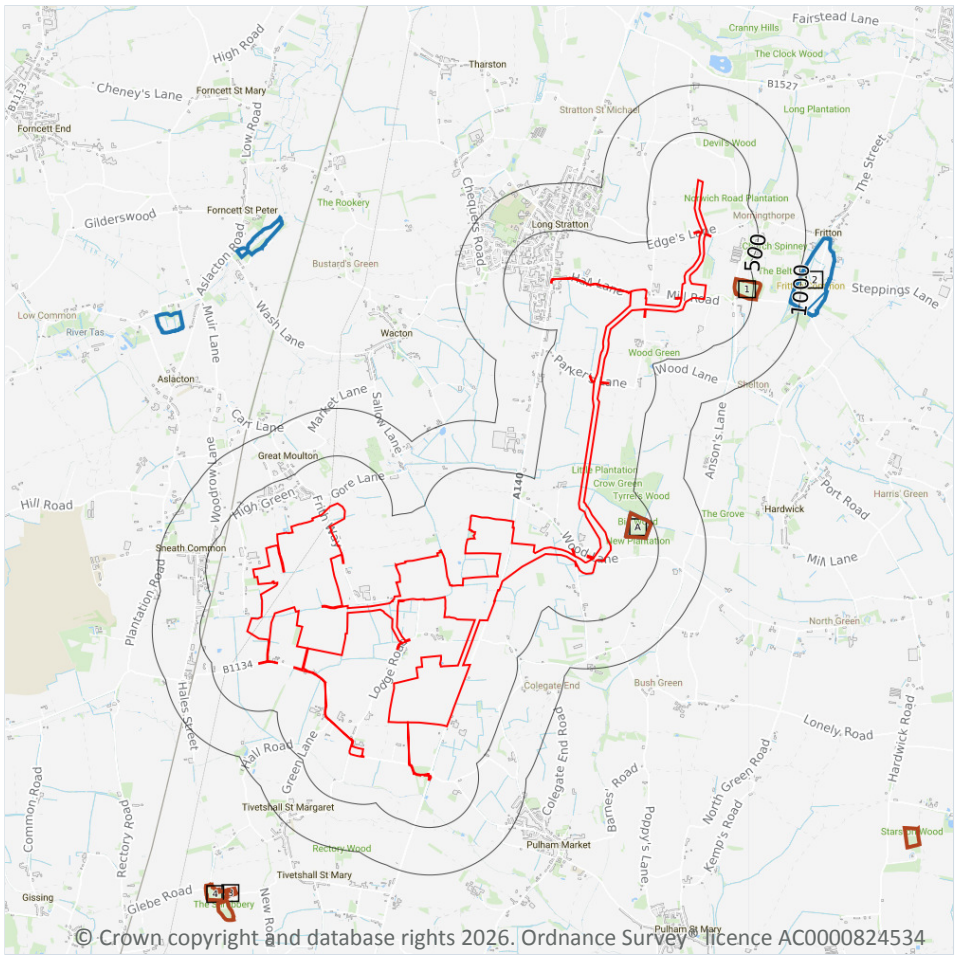
Highest risk on site	**Low**
Highest risk within 50m	**Low**

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 117 >**

This data is sourced from Ambiental Risk Analytics.

11 Environmental designations



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Site Outline

Search buffers in metres (m)

Sites of Special Scientific Interest (SSSI)

Designated Ancient Woodland

11.1 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 118 >**

ID	Location	Name	Data source
A	187m NE	Pulham Market Big Wood SSSI	Natural England

ID	Location	Name	Data source
2	903m E	Fritton Common SSSI	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.2 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.

11.3 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.

11.4 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.

11.5 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.

11.6 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.

11.7 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 118 >**

ID	Location	Name	Woodland Type
A	186m NE	Big Wood	Ancient & Semi-Natural Woodland
1	302m E	The Grove	Ancient Replanted Woodland
3	1867m SW	Unknown	Ancient & Semi-Natural Woodland
4	1919m SW	Unknown	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.8 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.

11.9 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.

11.10 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.

11.11 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.

11.12 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.

11.13 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.

11.14 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.

11.15 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.

11.16 Nitrate Vulnerable Zones

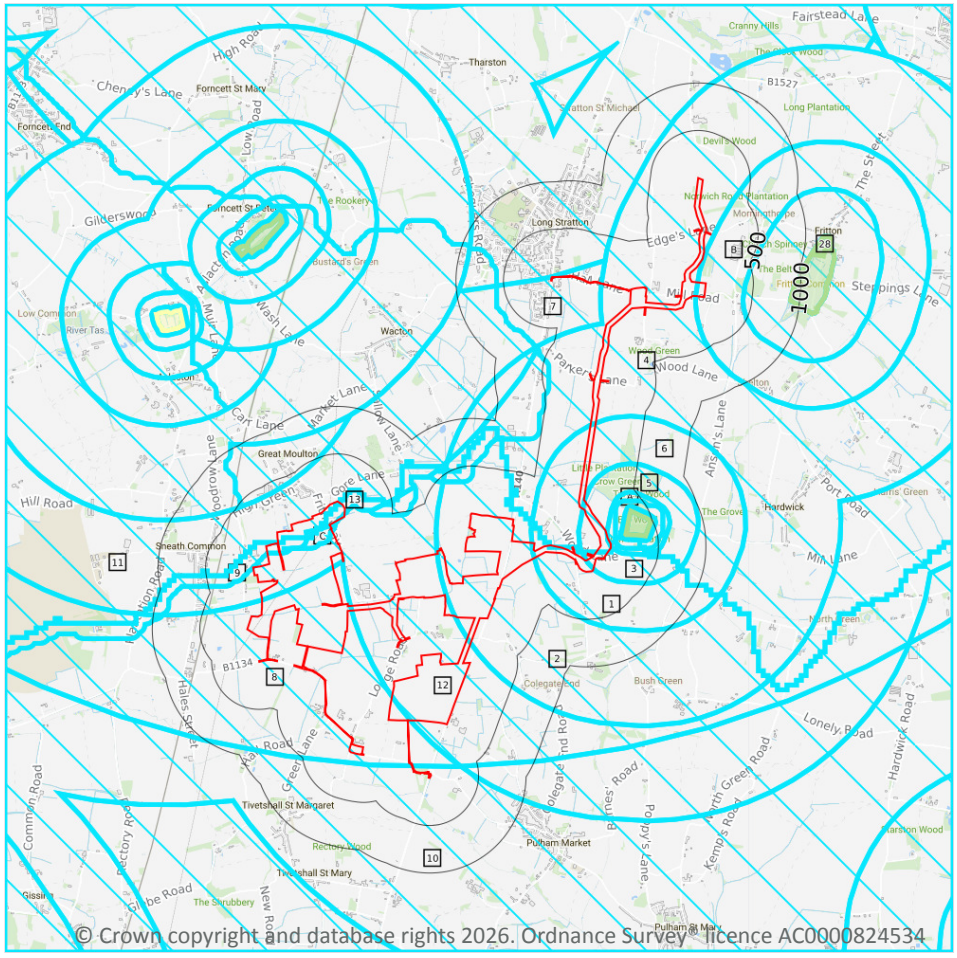
Records within 2000m	4

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**
952m S	River Waveney NVZ	Surface Water	396	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

11.17 SSSI Impact Risk Zones

Records on site	17

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 123 >**

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044322201&notes=11409&location=619860,289047%20(IRZ%20polygon%20centre)
2	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044322302&notes=11409&location=619017,288991%20(IRZ%20polygon%20centre)

ID	Location	Type of developments requiring consultation
3	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044211101&notes=11409&location=620492,289176%20(IRZ%20polygon%20centre)
4	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044322302&notes=11101+11409&location=621853,289512 %20(IRZ%20polygon%20centre)
5	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044211101&notes=11101+11409&location=620541,290078 %20(IRZ%20polygon%20centre)
6	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044322201&notes=11101+11409&location=621395,289801 %20(IRZ%20polygon%20centre)
7	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530000&notes=11101+11409&location=619597,291925 %20(IRZ%20polygon%20centre)
8	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044530000&notes=11409&location=615757,288133%20(IRZ%20polygon%20centre)
9	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530040&notes=11409&location=616022,289056%20(IRZ%20polygon%20centre)
10	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300044500000&notes=11409&location=619815,286395%20(IRZ%20polygon%20centre)
11	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530040&notes=11101+11409&location=618875,291515 %20(IRZ%20polygon%20centre)
12	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530000&notes=11409&location=618099,288578%20(IRZ%20polygon%20centre)
13	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530040&notes=11409&location=617508,289866%20(IRZ%20polygon%20centre)
A	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101042111101&notes=11101+11409&location=620542,289887 %20(IRZ%20polygon%20centre)
B	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101044322201&notes=11101+11409&location=621438,292224 %20(IRZ%20polygon%20centre)
C	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530050&notes=11101+11409&location=617100,289497 %20(IRZ%20polygon%20centre)
C	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301044530050&notes=11409&location=617201,289476%20(IRZ%20polygon%20centre)

This data is sourced from Natural England.

11.18 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 123 >**

ID: A
Location: 187m NE
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: B
Location: 903m E
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

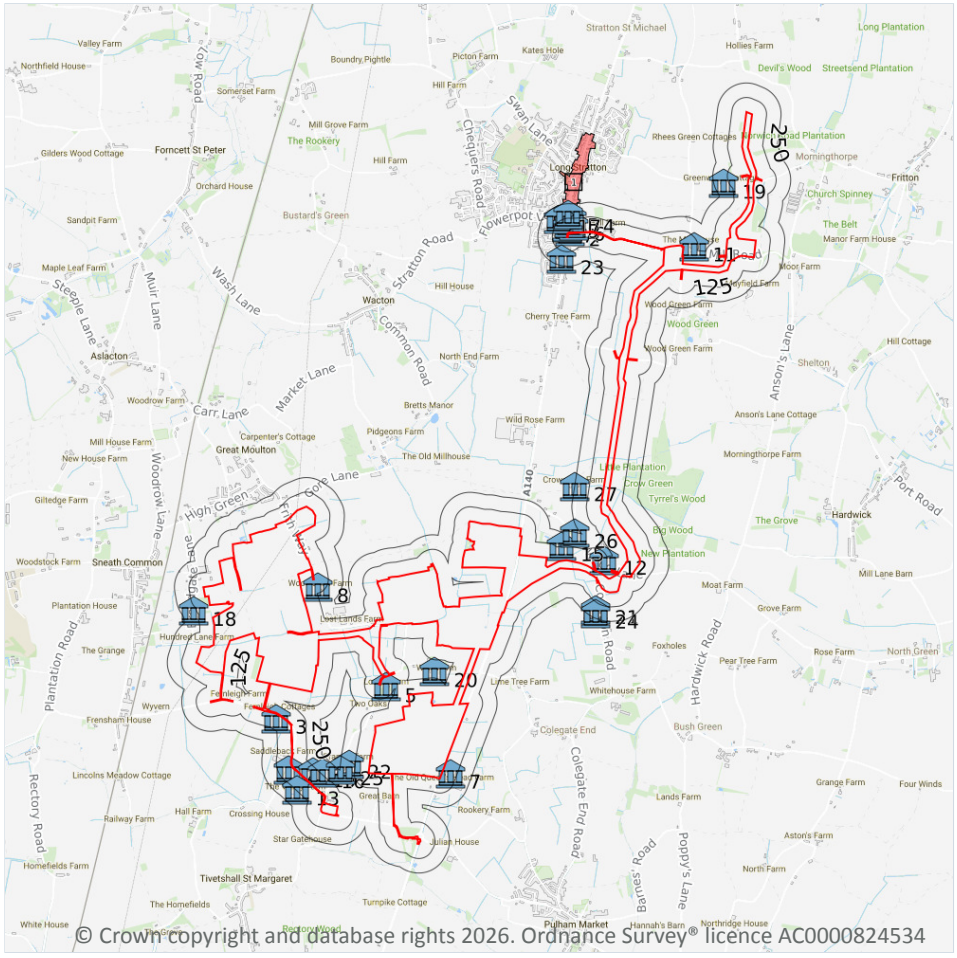
ID: 28
Location: 1082m E
SSSI name: Fritton Common
Unit name: Neutral Grassland
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable

Reportable features:

Feature name	Feature condition	Date of assessment
Lowland neutral grassland (MG5)	Favourable	08/03/2011

This data is sourced from Natural England and Natural Resources Wales.

12 Visual and cultural designations



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12.1 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.

12.2 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.

12.3 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.

12.4 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 127 >**

ID	Location	Name	Grade	Reference Number	Listed date
2	12m N	Belvedere Stores And 2 Adjoining Cottages	II	1050308	21/11/1974
3	33m SW	Barn Cottages	II	1050010	26/06/1981
4	42m SW	Beck Green Farmhouse	II	1179692	26/06/1981
A	45m NW	Corfe Lodge	II	1050310	21/09/1976
A	52m N	Corfe Cottage	II	1153603	21/09/1976
5	53m SE	The Lodge	II	1301853	26/06/1981

ID	Location	Name	Grade	Reference Number	Listed date
6	63m N	Church Of St Mary	I	1304232	07/12/1959
7	69m E	Hill House	II	1050216	11/02/1977
8	77m SE	Moulton Farmhouse	II	1373270	26/06/1981
9	87m N	Long Stratton War Memorial	II	1468064	14/01/2020
10	87m NE	Chestnut Farmhouse	II	1050808	26/06/1981
11	88m E	Windmill	II	1050312	21/09/1976
12	94m NE	Wood Farmhouse	II	1154630	11/02/1977
13	123m SW	The Valley Farmhouse	II	1050809	26/06/1981
14	123m N	Griffin Cottage	II	1373265	21/09/1976
15	128m N	French's Farmhouse	II	1050252	11/02/1977
B	130m N	Long Stratton Church School	II	1373267	21/09/1976
16	134m NE	Star Green Farmhouse	II	1050007	26/06/1981
17	147m NW	St Mary's Rectory	II	1153550	11/09/1951
18	148m W	Broadgate Way	II	1050318	26/06/1981
B	153m N	Shrub Cottage	II	1050309	21/09/1976
19	172m W	Greenwood Cottage	II	1050274	21/09/1976
20	179m N	Walk Farmhouse (Aylmer's Hall)	II	1301881	26/06/1981
21	179m SW	Parish Farmhouse	II	1050253	11/02/1977
22	180m W	Prangle Farmhouse	II	1050008	26/06/1981
23	196m S	The Deals	II	1304222	21/09/1976
24	214m SW	Walnut Farmhouse	II	1050210	11/02/1977
25	240m W	Friends' Meeting House	II	1179618	26/06/1981
26	246m N	Ashleigh Farmhouse	II	1154618	11/02/1977
27	249m W	Crowgreen Farmhouse	II	1050307	21/09/1976

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12.5 Conservation Areas

Records within 250m	1

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 127 >**

ID	Location	Name	District	Date of designation
1	**On site**	**Long Stratton**	**South Norfolk**	**1975**

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12.6 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.

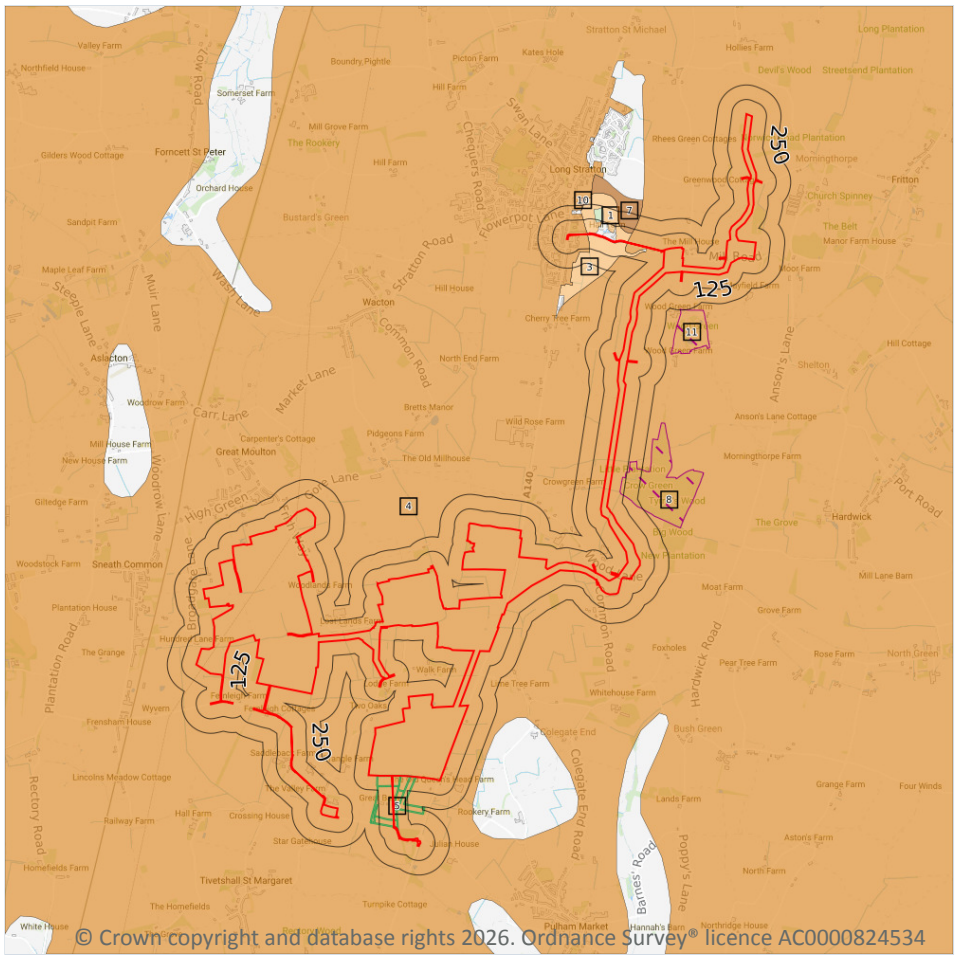
12.7 Registered Parks and Gardens

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.

13 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

13.1 Agricultural Land Classification

Records within 250m	5

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 131 >**

ID	Location	Classification	Description
1	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.**

ID	Location	Classification	Description
3	**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.**
4	**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.**
7	79m N	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.
10	212m N	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.

13.2 Open Access Land

Records within 250m	**2**

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 131 >**

ID	Location	Name	Classification	Other relevant legislation
8	91m E	Crow Green	Section 4 Conclusive Registered Common Land	-
11	243m S	Wood Green Common	Section 4 Conclusive Registered Common Land	-

This data is sourced from Natural England and Natural Resources Wales.

13.3 Tree Felling Licences

Records within 250m	1

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 131 >**

ID	Location	Description	Reference	Application date
5	**On site**	**Selective Fell/Thin (Unconditional)**	**017/130/04-05**	**09/11/2004**

This data is sourced from the Forestry Commission.

13.4 Environmental Stewardship Schemes

Records within 250m	3

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	**AG00389668**	**Entry Level plus Higher Level Stewardship**	**01/05/2010**	**30/04/2020**

This data is sourced from Natural England.

13.5 Countryside Stewardship Schemes

Records within 250m	18

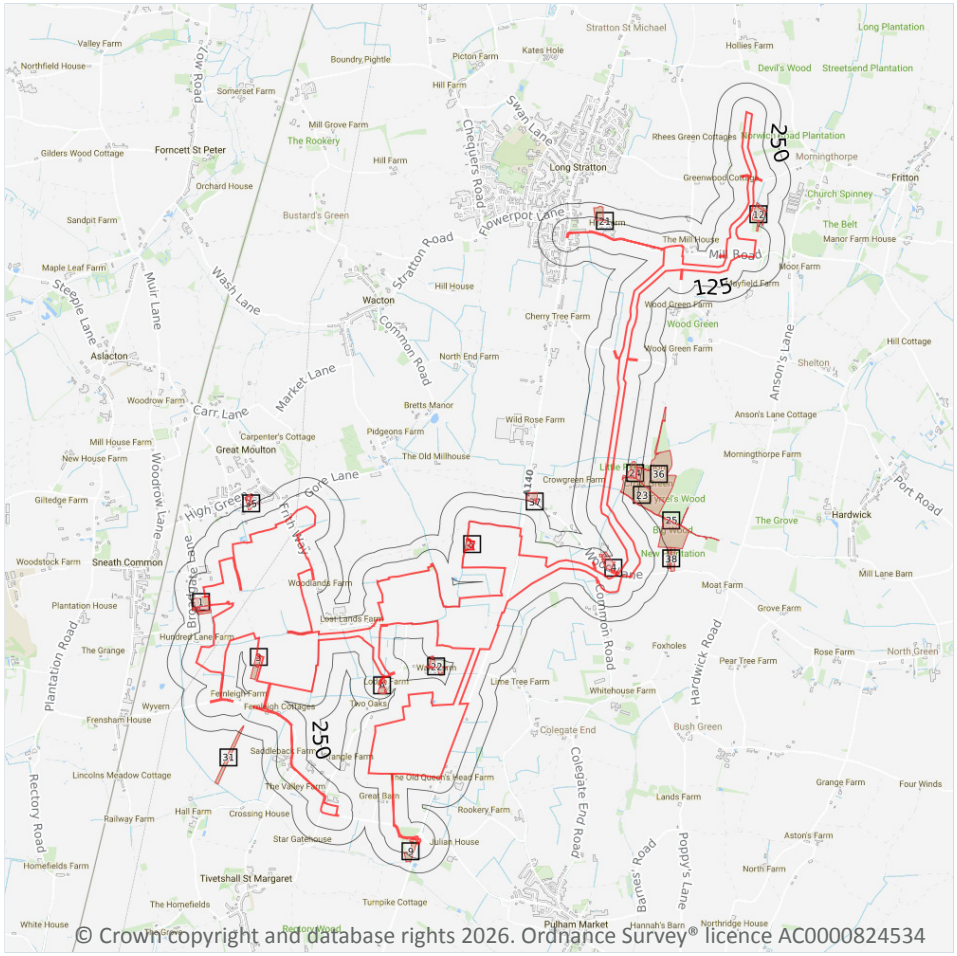
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	**1052941**	**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	**1054936**	**Countryside Stewardship (Middle Tier)**	**01/01/2021**	**31/12/2025**

Location	Reference	Scheme	Start Date	End Date
On site	**1049147**	**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	**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**
6m SE	1453520	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
12m E	1049913	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
44m NE	1055398	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
67m N	1049913	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
86m W	1526887	Countryside Stewardship (Higher Tier)	01/07/2023	30/06/2026
98m SE	1049158	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
146m NW	1052941	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
204m E	1055398	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
224m W	1450564	Countryside Stewardship (Higher Tier)	01/10/2022	30/09/2024

This data is sourced from Natural England.

14 Habitat designations


250
125
250
Long Stratton
Wacton
Tivetshall St Margaret
Pulham Market
Great Moulton
Sheath Common
Hardwick
Mill Road
Stratton Road
Fowerpot Lane
Chequers Road
Swan Lane
Gore Lane
High Green
Carr Lane
Market Lane
Common Road
Hardwick Road
Colegate End Road
Barnes' Road
Poppy's Lane
Anson's Lane
Port Road
Woodrow Lane
Muir Lane
Wash Lane
Steeple Lane
Aslacton
Forncett St Peter
Morningthorpe
Fritton
Shelton
Moat Farm
Grove Farm
Bush Green
Colegate End
Foxholes
Whitehouse Farm
Lands Farm
Rookery Farm
Julian House
Turnpike Cottage
Northridge House
Hannah's Barn
Pear Tree Farm
Rose Farm
North Green
Four Winds
Grange Farm
Aston's Farm
North Farm
Mill Lane Barn
Hardwick Wood
The Grove
Morningthorpe Farm
Wild Rose Farm
Bretts Manor
Pidgeons Farm
The Old Millhouse
Crowgreen Farm
Wood Green
Wood Green Farm
Cherry Tree Farm
Hill House
North End Farm
Hill Cottage
Moor Farm
The Mill House
Manor Farm House
The Belt
Church Spinney
Rhees Green Cottages
Greenwood Common
Long Plantation
Hollies Farm
Devil's Wood
Streetsend Plantation
Stratton St Michael
Picton Farm
Kates Hole
Boundry Pightle
Hill Farm
Mill Grove Farm
The Rookery
Somerset Farm
Valley Farm
Northfield House
Gilders Wood Cottage
Orchard House
Sandpit Farm
Bustard's Green
Maple Leaf Farm
Aslacton
Woodrow Farm
Mill House Farm
New House Farm
Carpenter's Cottage
Giltedge Farm
Woodstock Farm
Plantation House
The Grange
Hundred Lane Farm
Woodlands Farm
Deal Lands Farm
Fernleigh Farm
Fernleigh Cottages
Wyvern
Frensham House
Two Oaks
Saddleback Farm
Temple Farm
Lincolns Meadow Cottage
The Valley Farm
Great Barn
Hall Farm
Railway Farm
Crossing House
Star Gatehouse
Homefields Farm
The Homefields
White House
Rectory Road
Plantation Road
Lime Tree Farm
The Old Queen's Head Farm
Lodge Farm
Wood Farm
Bridge Farm
Bridge Lane
Low Road
Pulham Market
Bedingfield Road
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A143
A47
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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%)**
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
8	3m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	4m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	6m W	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
11	16m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	21m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	22m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	25m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	28m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	38m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	44m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	50m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	60m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	72m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
20	82m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	92m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	96m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	96m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%, FEP + HLS)
24	97m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%, FEP + HLS)
25	99m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
26	101m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
27	105m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
28	120m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
29	128m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
30	136m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
31	183m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	187m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%, ENSIS L1)
33	188m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
34	204m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
35	209m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
36	211m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%, FEP + HLS)
37	234m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
38	237m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
39	247m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
40	250m N	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

14.2 Habitat Networks

Records within 250m	**0**

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.

This data is sourced from Natural England.

14.3 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.

14.4 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.

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 ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Long Stratton

Order Details

Date: 23/08/2024

Your ref: East Pye Solar

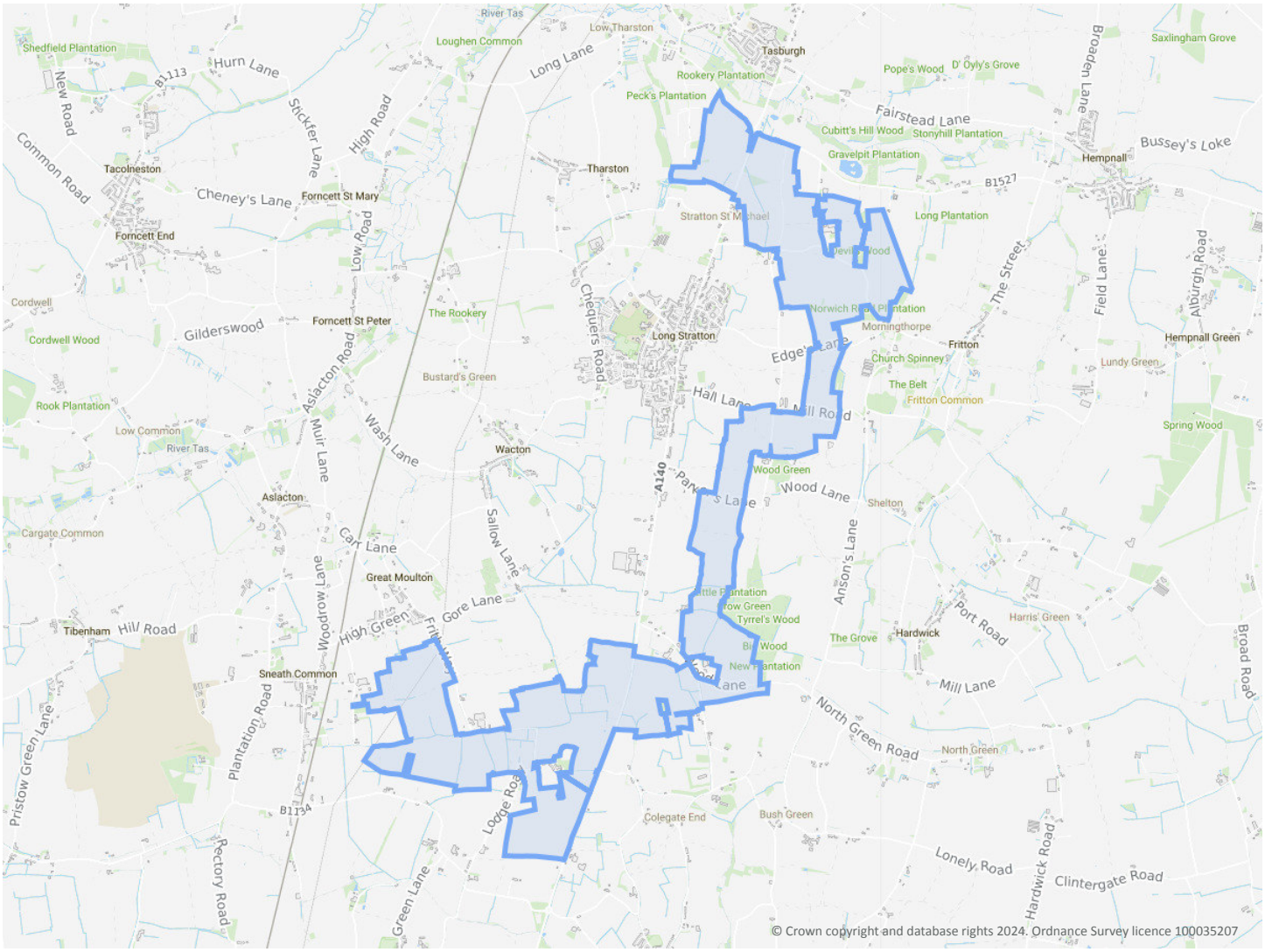
Our Ref: GSIP-2024-16319-20839_B

Site Details

Location: 619669 291065

Area: 720.31 ha

Authority: South Norfolk District Council ↗



Summary of findings p. 2 >

OS MasterMap site plan N/A: >10ha

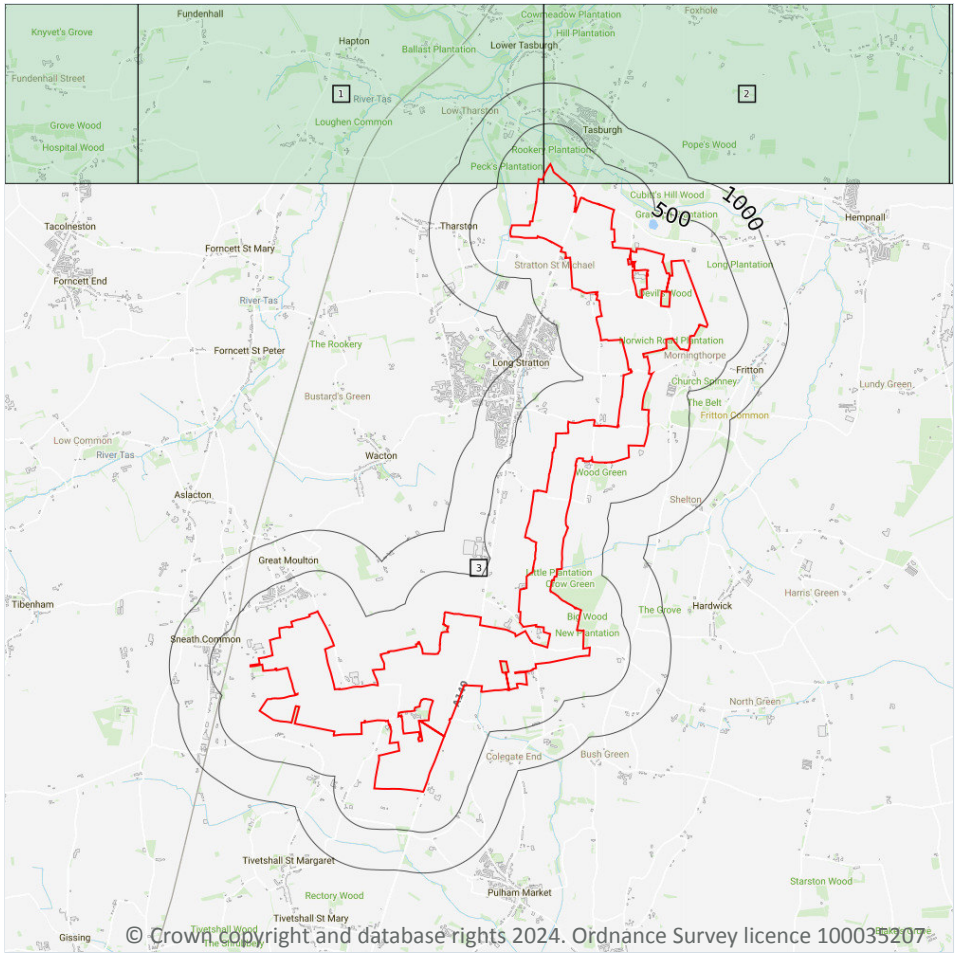
Aerial image p. 9 >

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

14 Geology 1:10,000 scale - Availability



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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

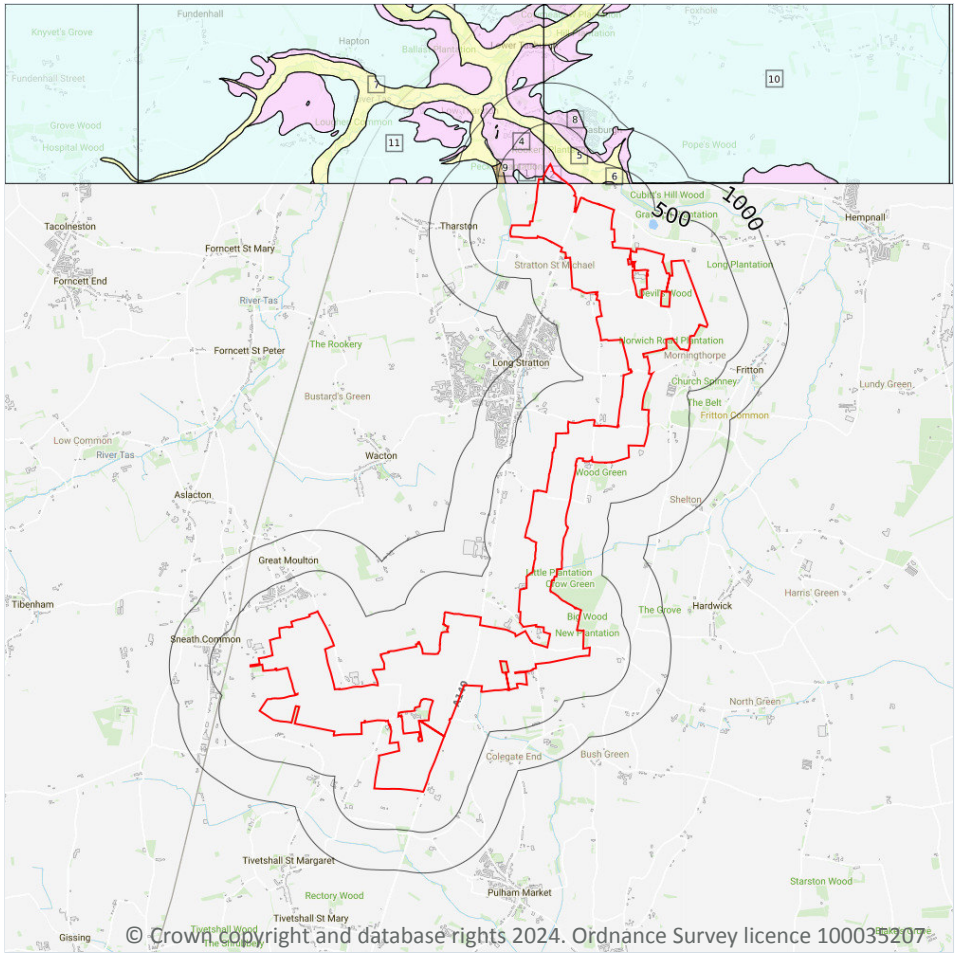
14.2 Artificial and made ground (10k)

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.

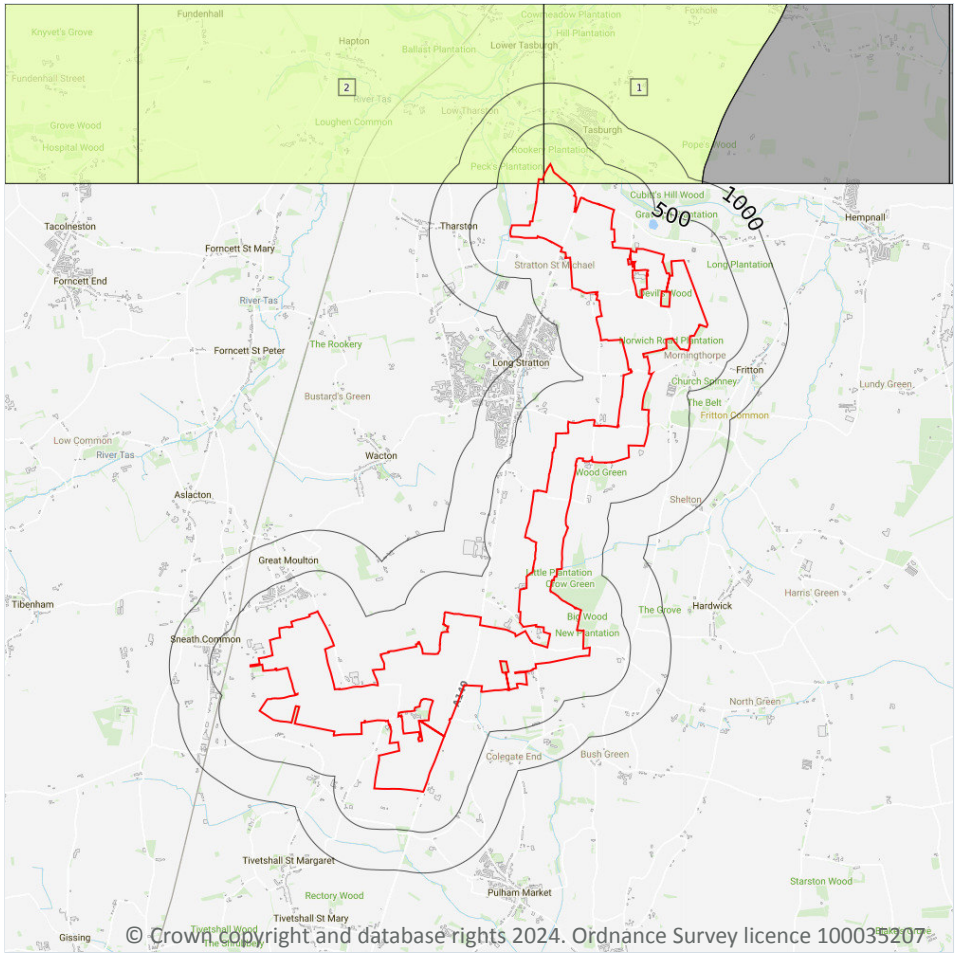
14.4 Landslip (10k)

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.

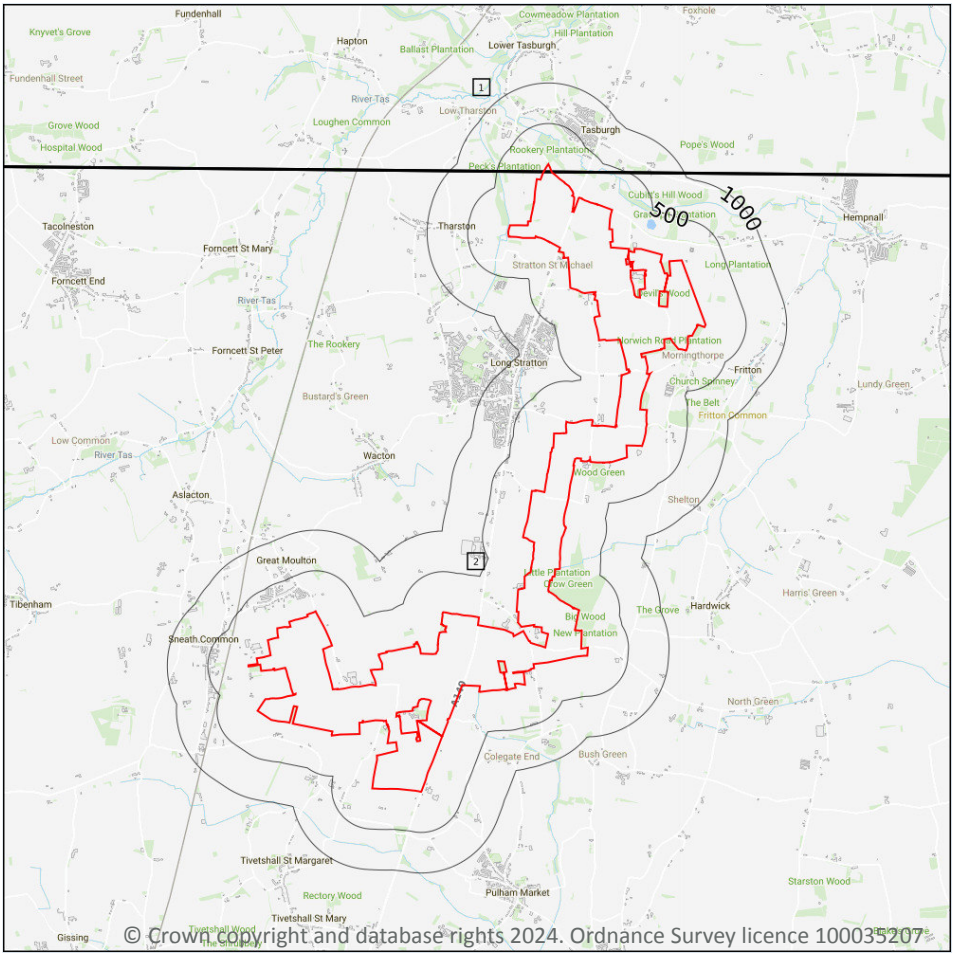
14.6 Bedrock faults and other linear features (10k)

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

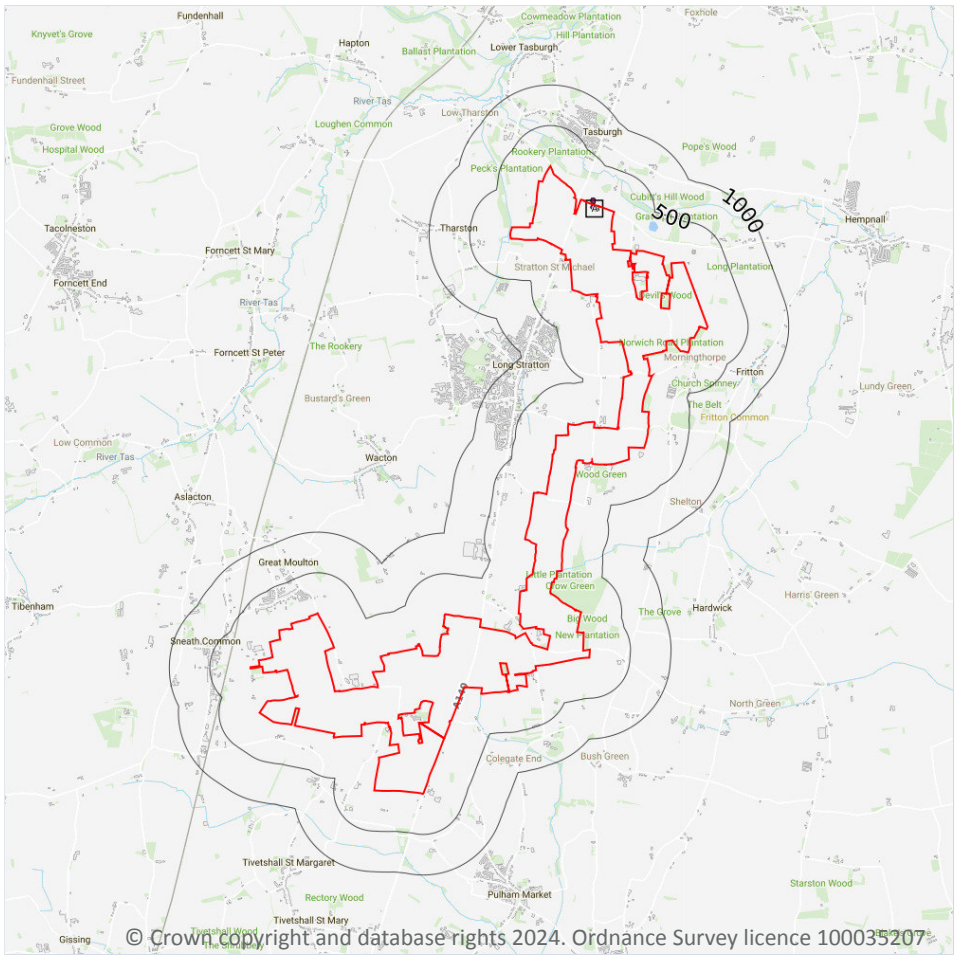
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

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



Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped 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)

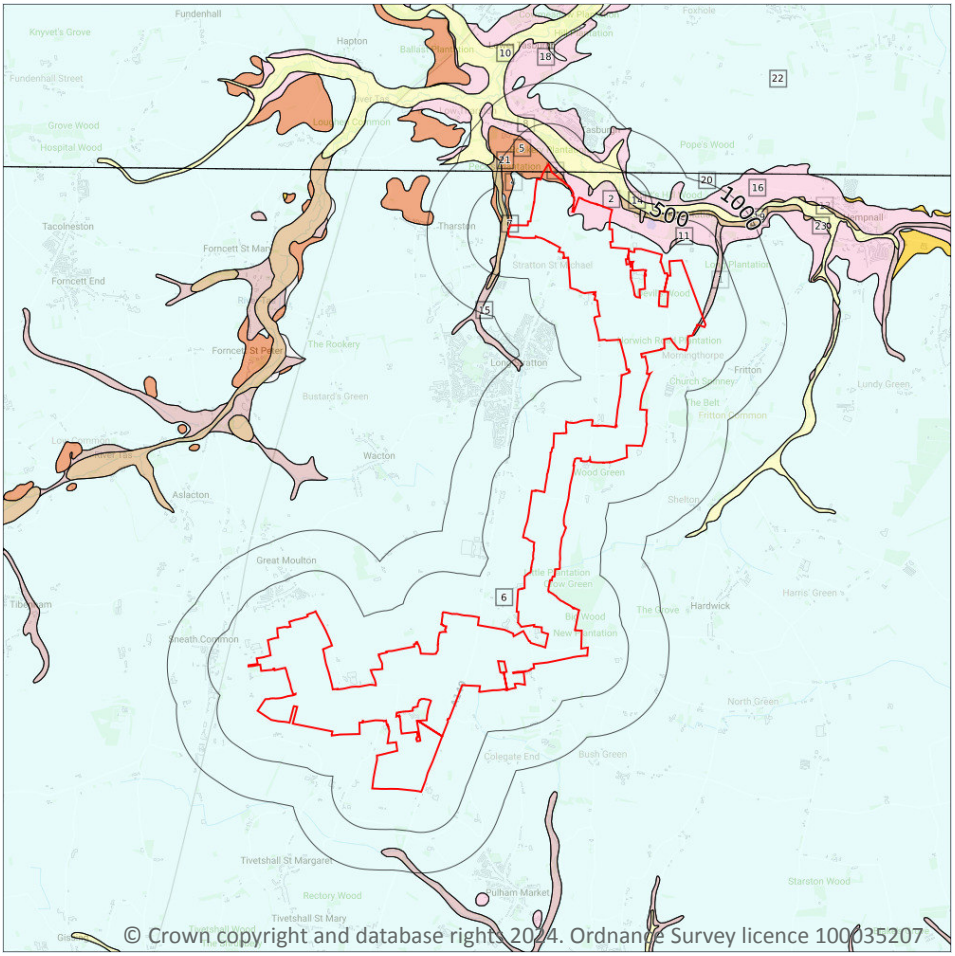
Records within 50m	**2**

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
On site	**Mixed**	**Very High**	**Low**
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.

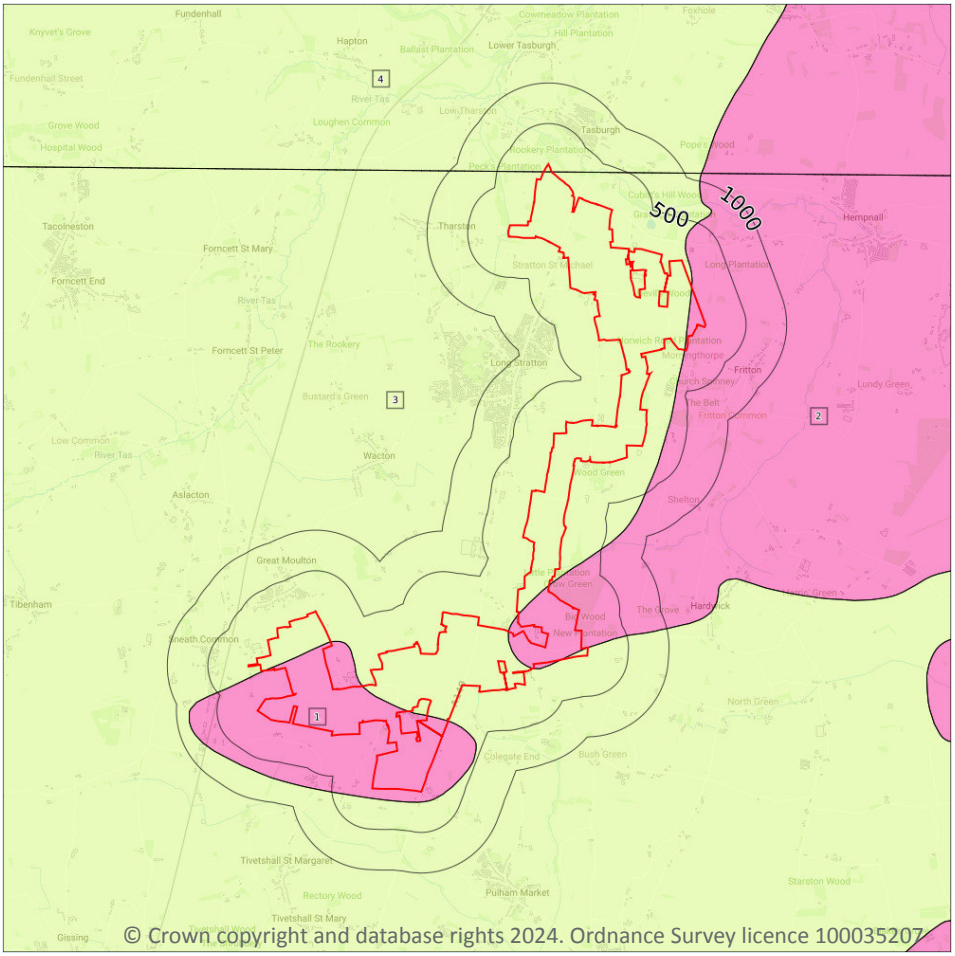
15.7 Landslip permeability (50k)

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.

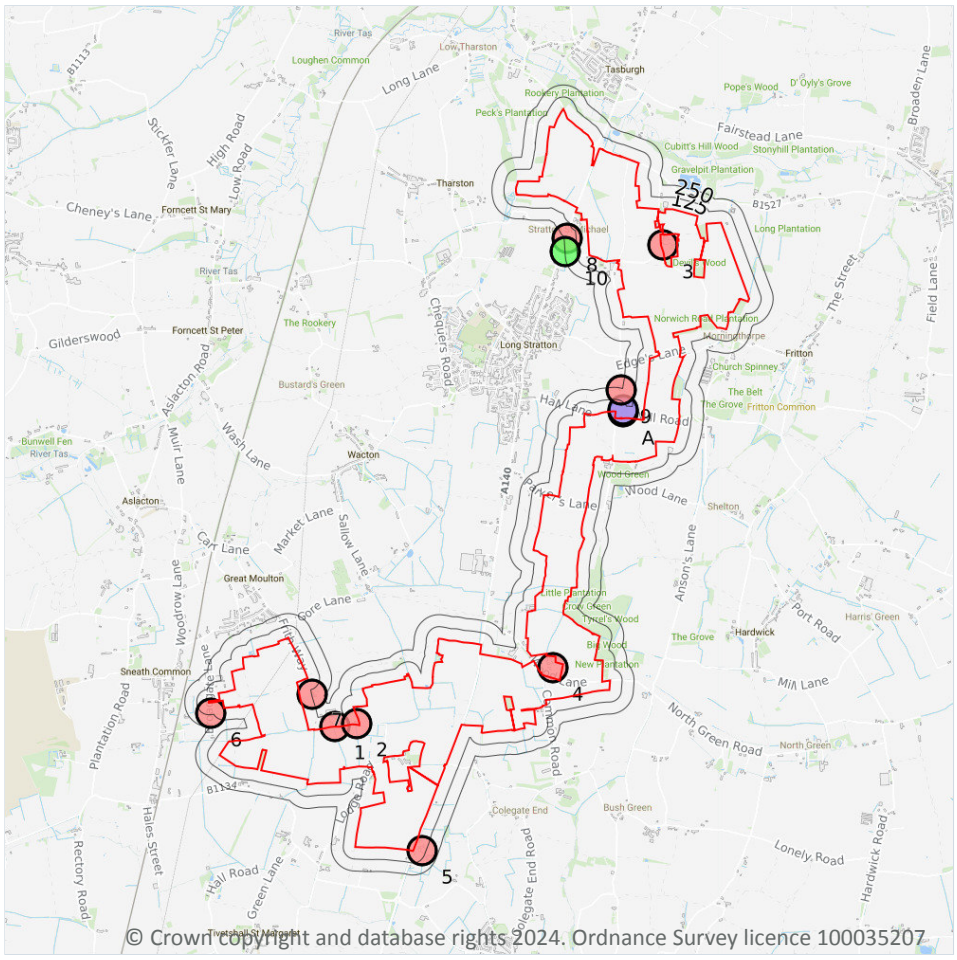
15.10 Bedrock faults and other linear features (50k)

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.

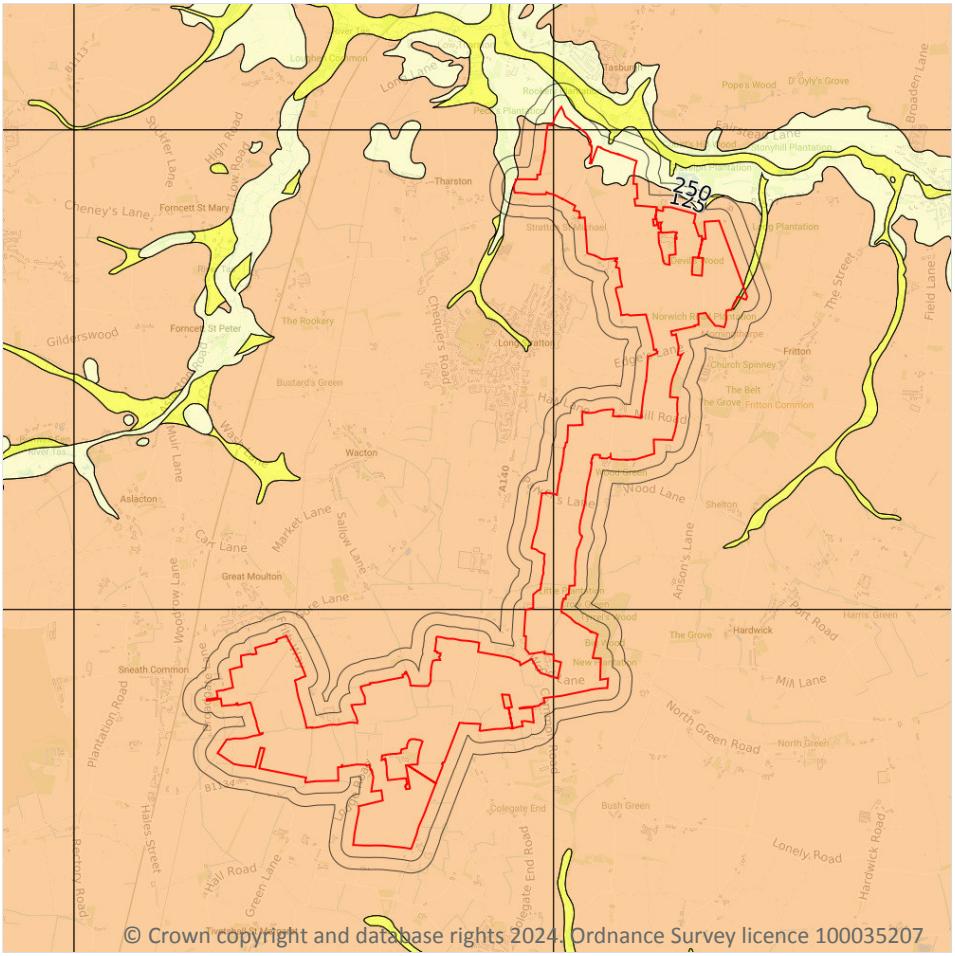
Features are displayed on the Boreholes map on **page 181 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	1m SW	617700 288800	ELM TREE FM TIVITSHALL ST MA'T	54.8	N	563420 ↗
2	11m SW	617930 288830	WILLOW FARM	31.69	N	563387 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	21m NE	621120 293820	'THE HOLLIES' MORNINGTHORPE	35.05	N	565622 ↗
A	64m NE	620700 292080	LONG STRATTON	60.96	N	565639 ↗
4	68m S	619970 289410	WOOD FARMNGS	55.16	N	563399 ↗
A	74m NE	620700 292100	LEADERS MILL LONG STRATTON 1	9.5	N	565638 ↗
5	86m S	618610 287510	UNION HOUSE	103.63	N	563397 ↗
6	110m SW	616410 288940	BROADGATE WAY	42.7	N	563396 ↗
7	129m SW	617460 289140	THE WOODLANDS FARM	51.81	N	563400 ↗
8	220m N	620120 293890	'THE CEDARS' LONG STRATTON	36.58	N	565621 ↗
9	232m NE	620680 292310	MILL FARM, LONG STRATTON	79.6	N	565663 ↗
10	249m N	620100 293750	STRATTON ST MICHEAL	10.06	N	565620 ↗

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

17.1 Shrink swell clays

Records within 50m	3

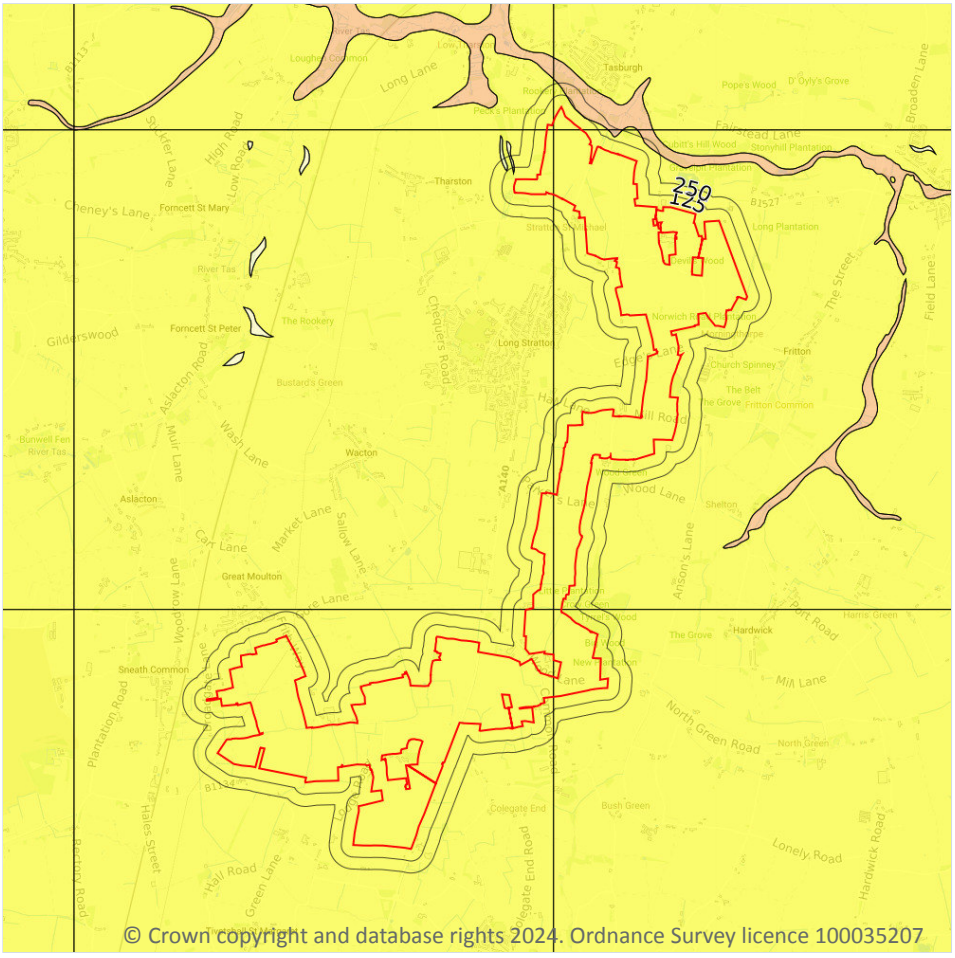
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and 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.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	1

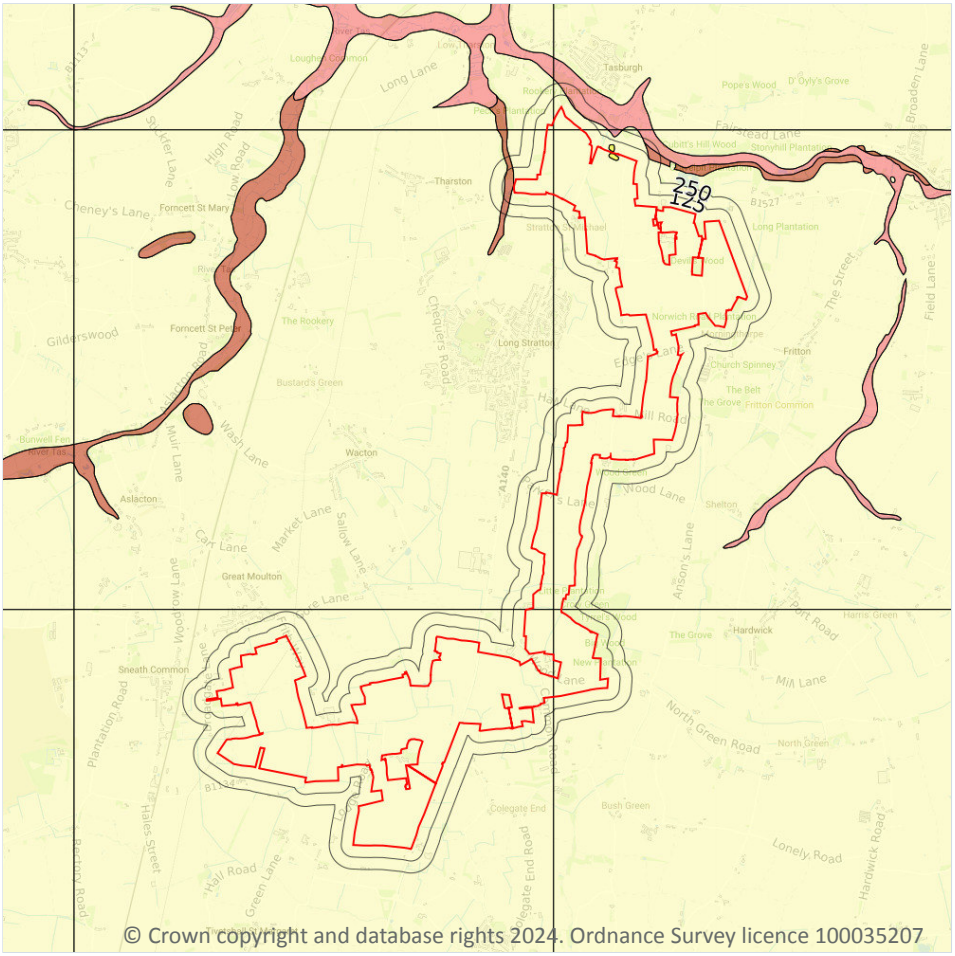
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

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.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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.

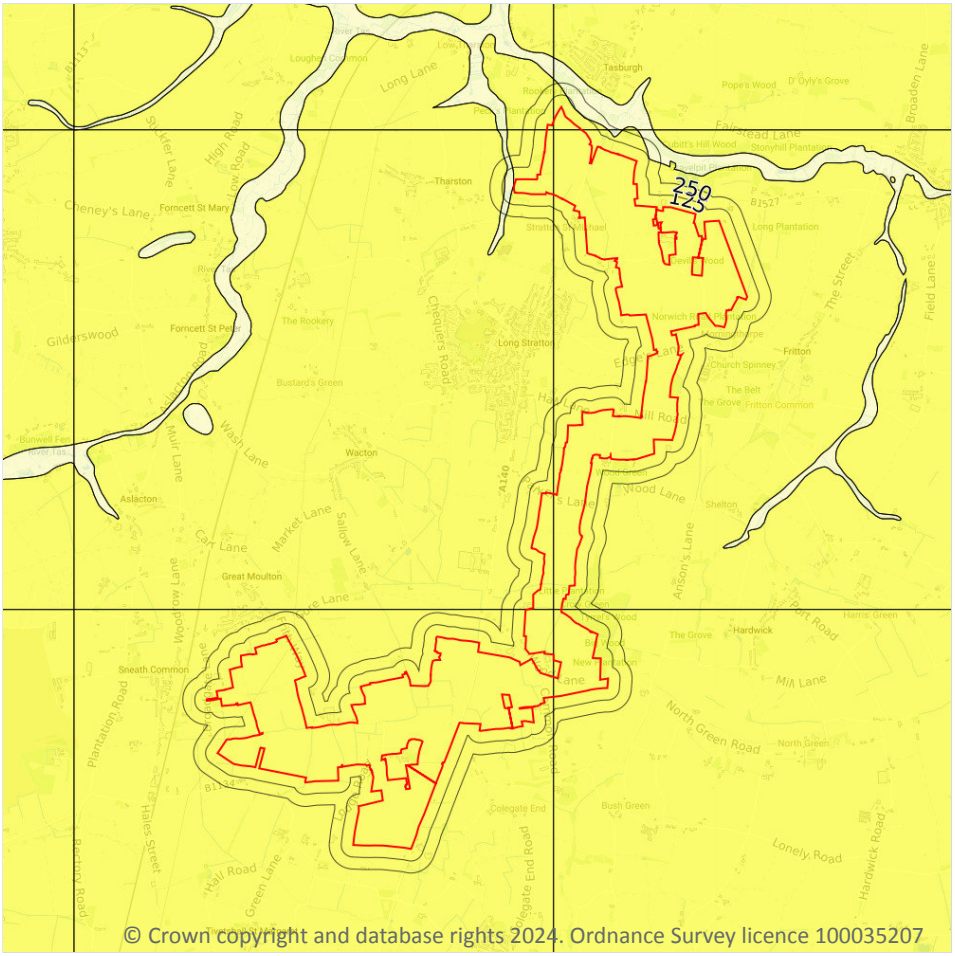
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 186 >**

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



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	2

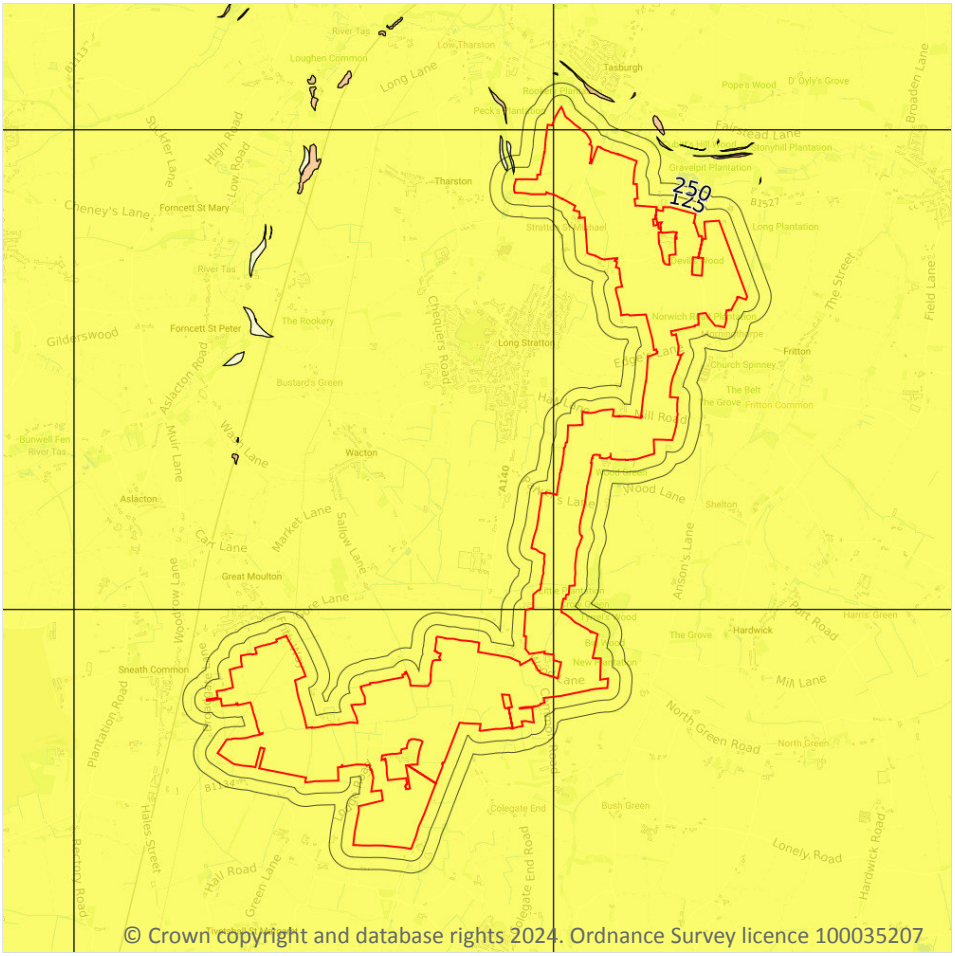
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 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.

Natural ground subsidence - Landslides



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17.5 Landslides

Records within 50m	1

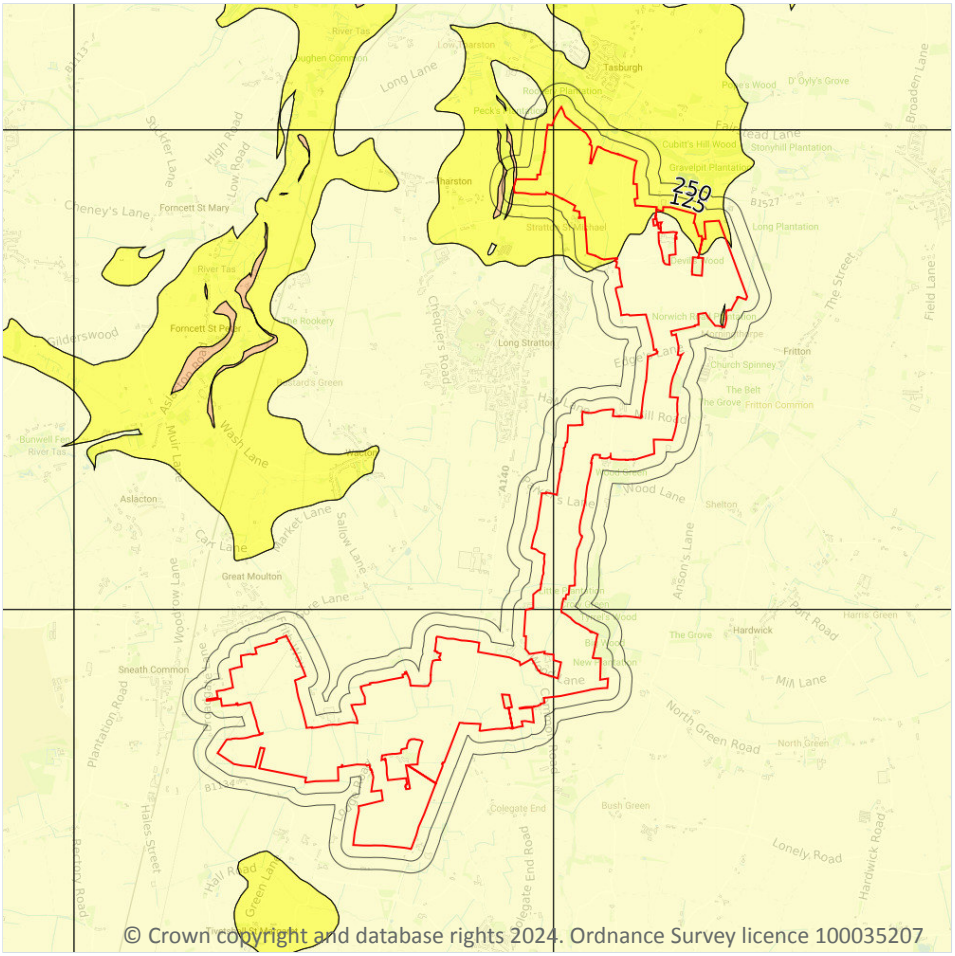
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

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.

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.

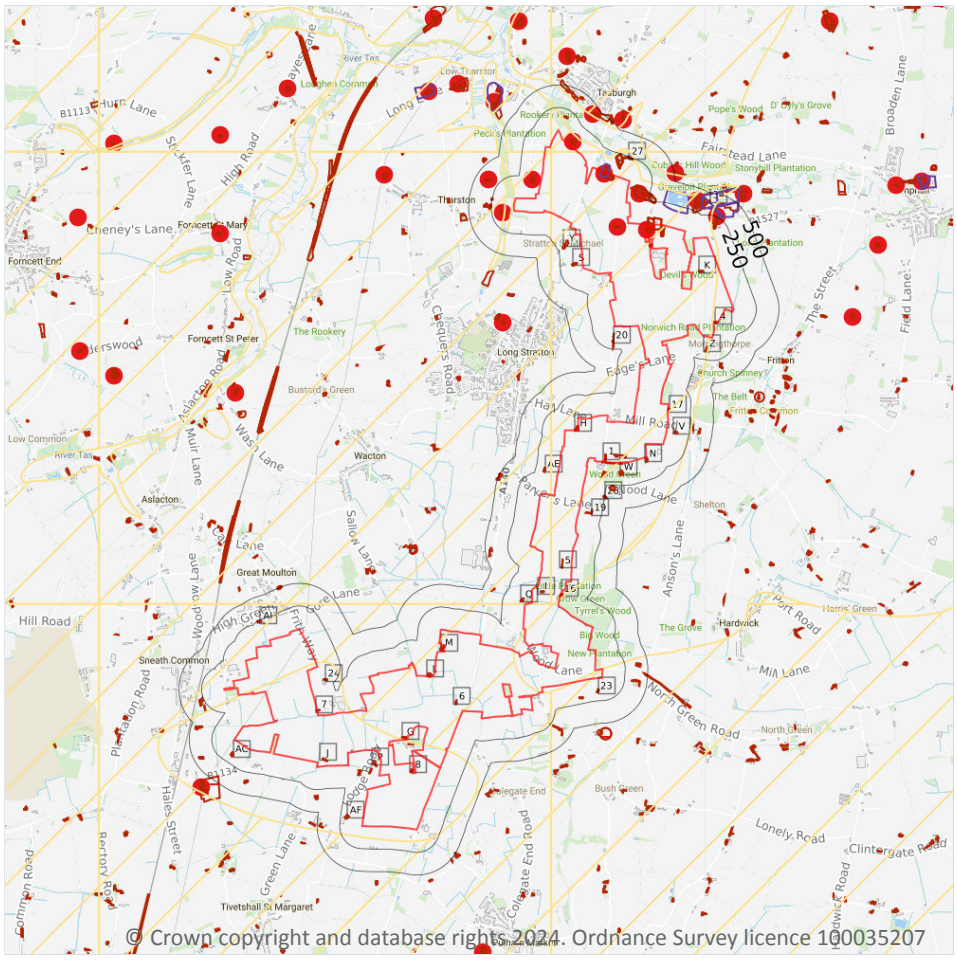
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 190 >**

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



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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	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**	**Name: Stratton St Michael Pit Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased**	**Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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	**On site**	**Name: Stratton St Michael Brick Works Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased**	**Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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**
C	**On site**	**Name: Stratton St Michael Brick Works Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased**	**Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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**
D	**On site**	**Name: Mill Farm Gravel Pit Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased**	**Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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**
E	29m NE	Name: Stratton St Michael Brick Field Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
D	54m N	Name: Mill Farm Pit Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
O	58m N	Name: Tasburgh Pit Address: Tasburgh, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Tasburgh, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Tharston, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Morningthorpe, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Stratton St Michael, Long Stratton, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Tharston, NORWICH, Norfolk Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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 Address: Tasburgh, NORWICH, Norfolk Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site 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
K	**On site**	**Pond**	**1883**	**1:10560**
K	**On site**	**Ponds**	**1979**	**1:10000**
L	**On site**	**Pond**	**1946**	**1:10560**
L	**On site**	**Pond**	**1883**	**1:10560**
L	**On site**	**Pond**	**1983**	**1:10000**
L	**On site**	**Pond**	**1951**	**1:10560**
M	**On site**	**Pond**	**1983**	**1:10000**
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
D	**On site**	**Cedars Farm**	**Sand and gravel**	**Surface mineral working**	**Valid**	**17/08/48**
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**	**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
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

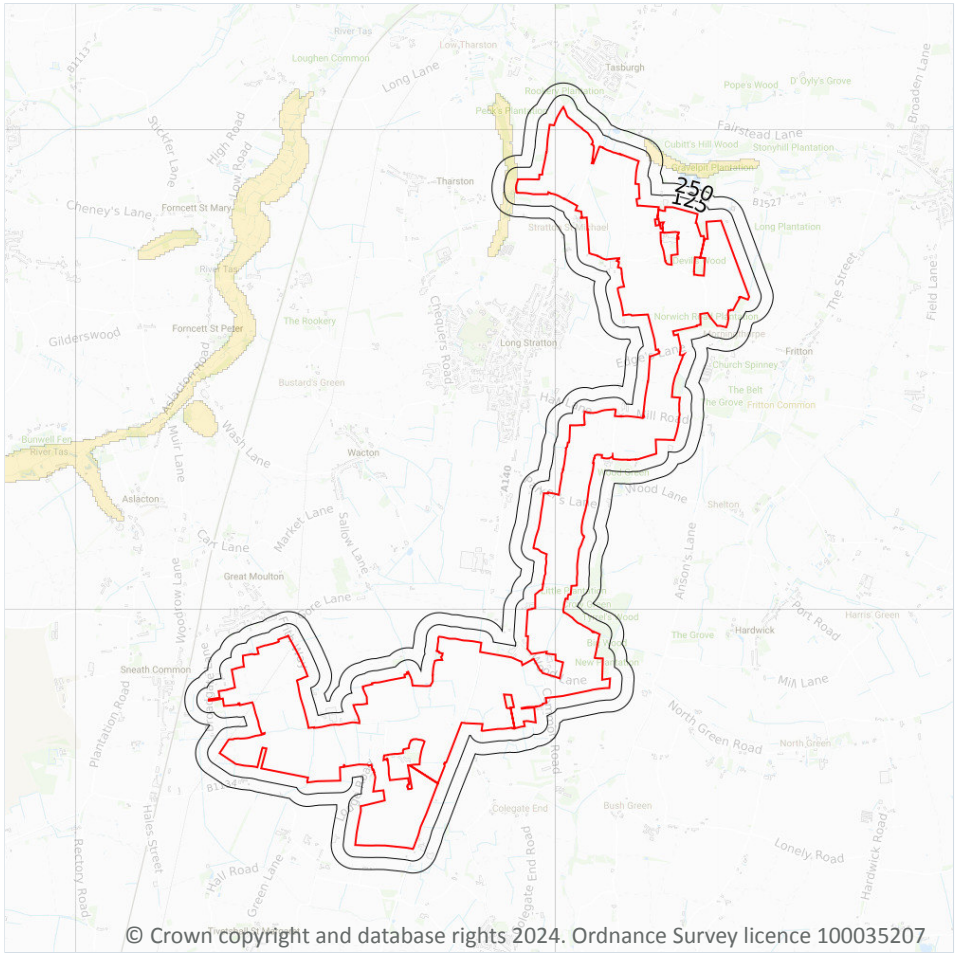
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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



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Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

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
On site	**Between 1% and 3%**	**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	**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^2. 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^2; 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

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
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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
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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 - 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**	**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**	**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^2).

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^2.

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.

Data providers

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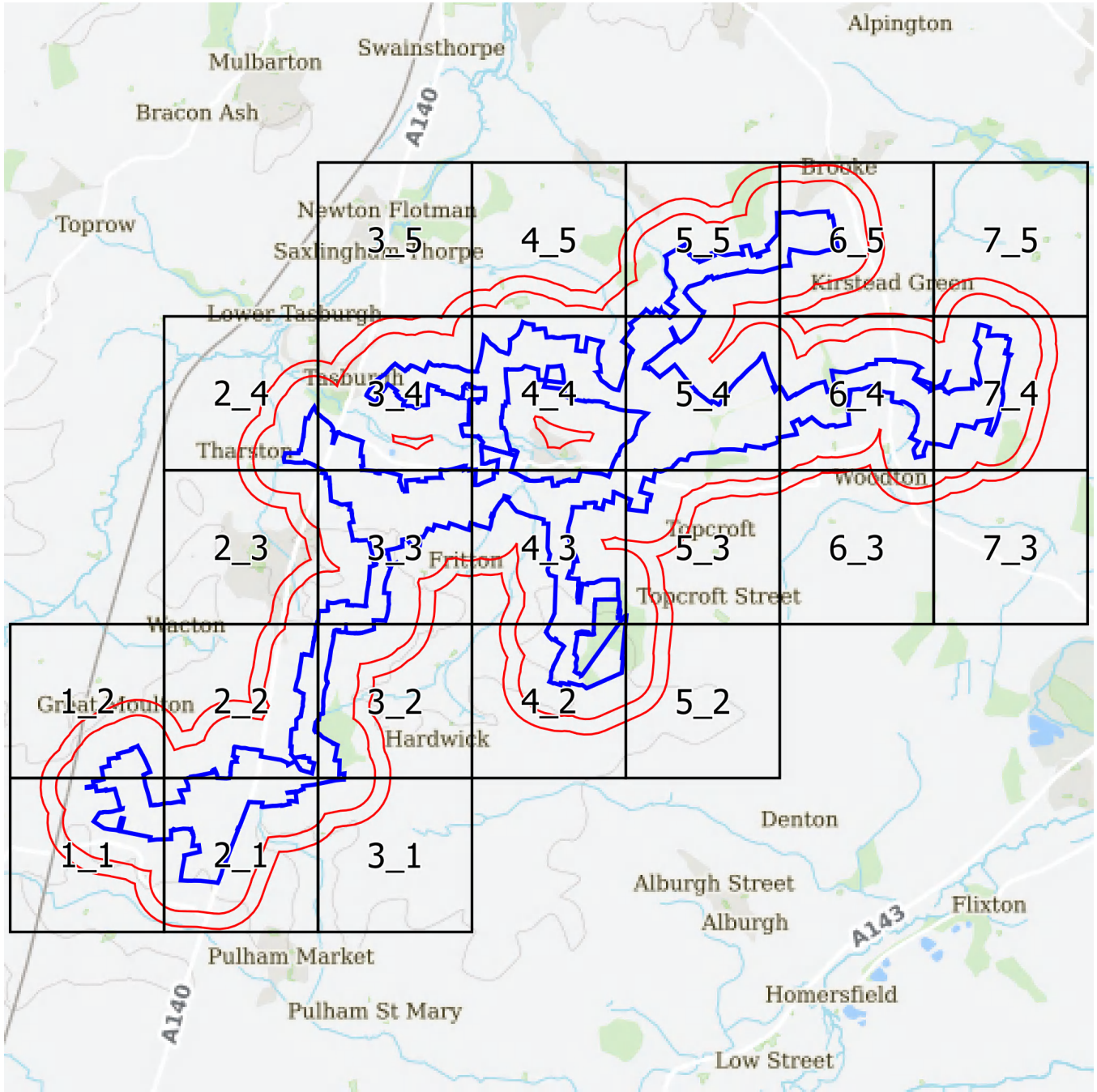

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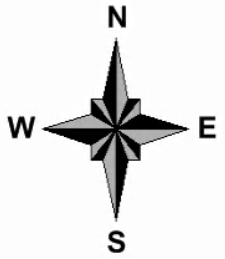
Small Scale Grid Index



Groundsure INSIGHTS

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

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Surveyed 1883
Revised 1883
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1883
Revised 1883
Edition N/A
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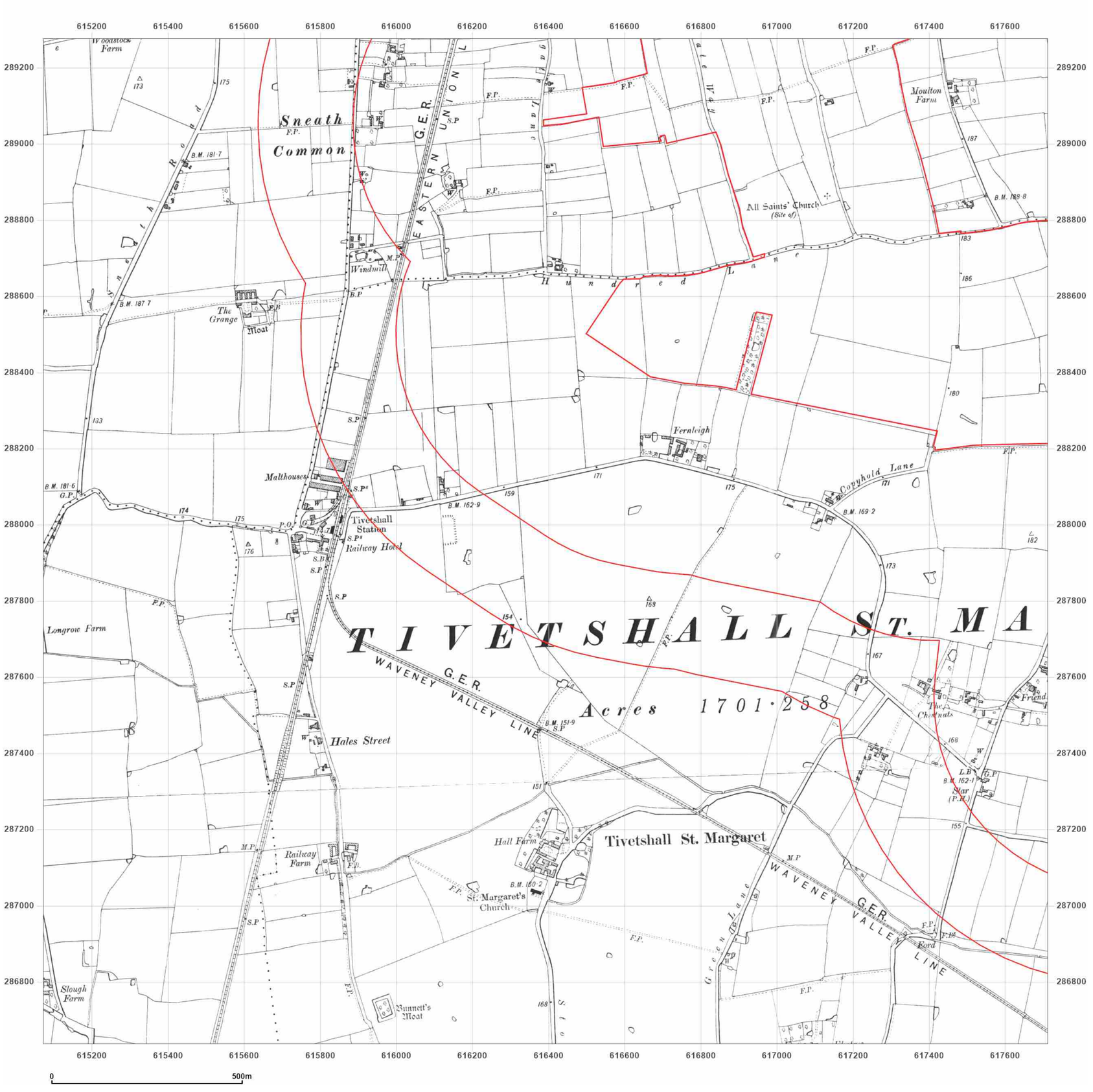

Groundsure INSIGHTS

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

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Surveyed 1882
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1883
Revised 1904
Edition N/A
Copyright N/A
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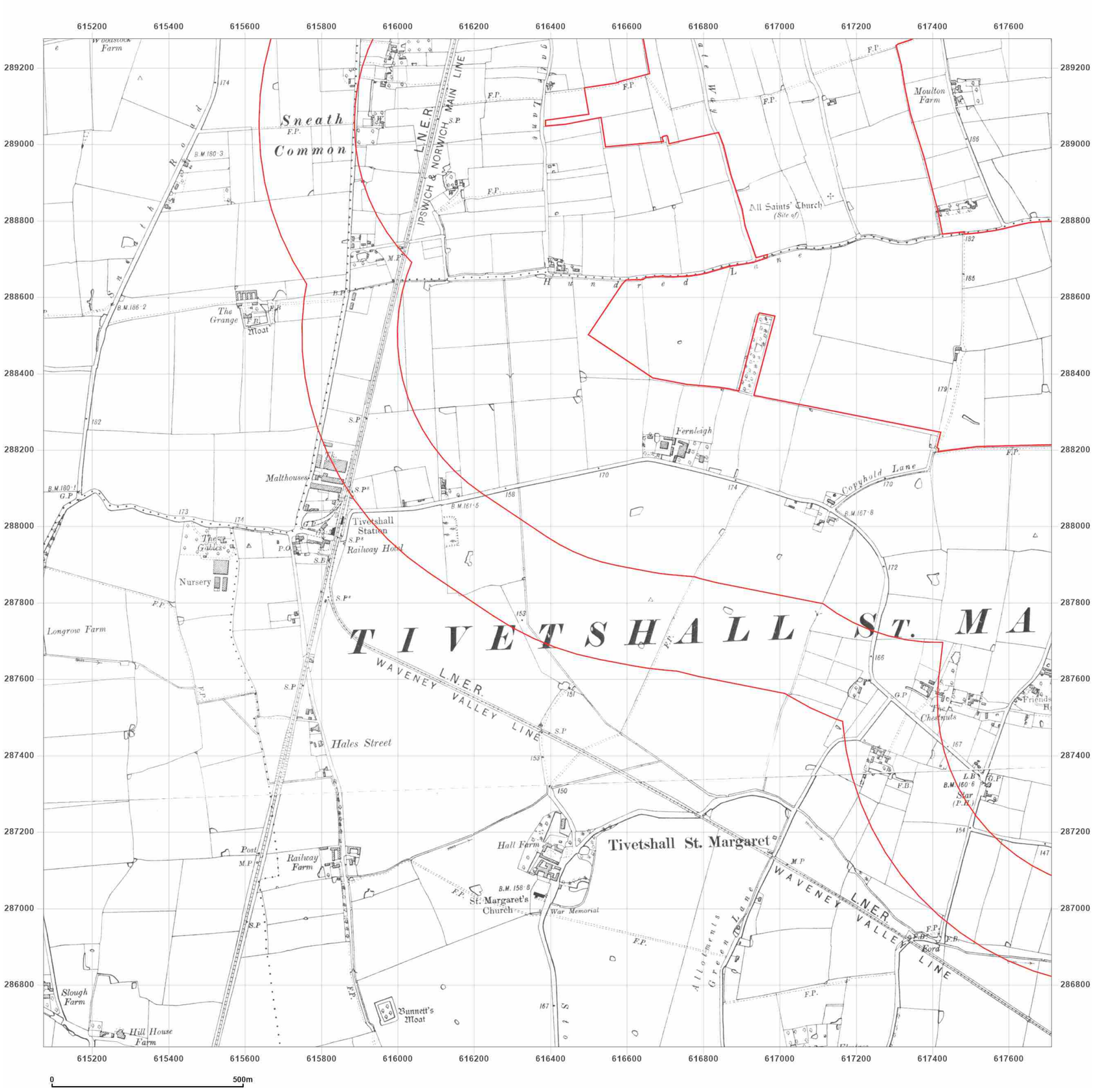

Groundsure INSIGHTS

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

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Surveyed 1883
Revised 1928
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1883
Revised 1928
Edition N/A
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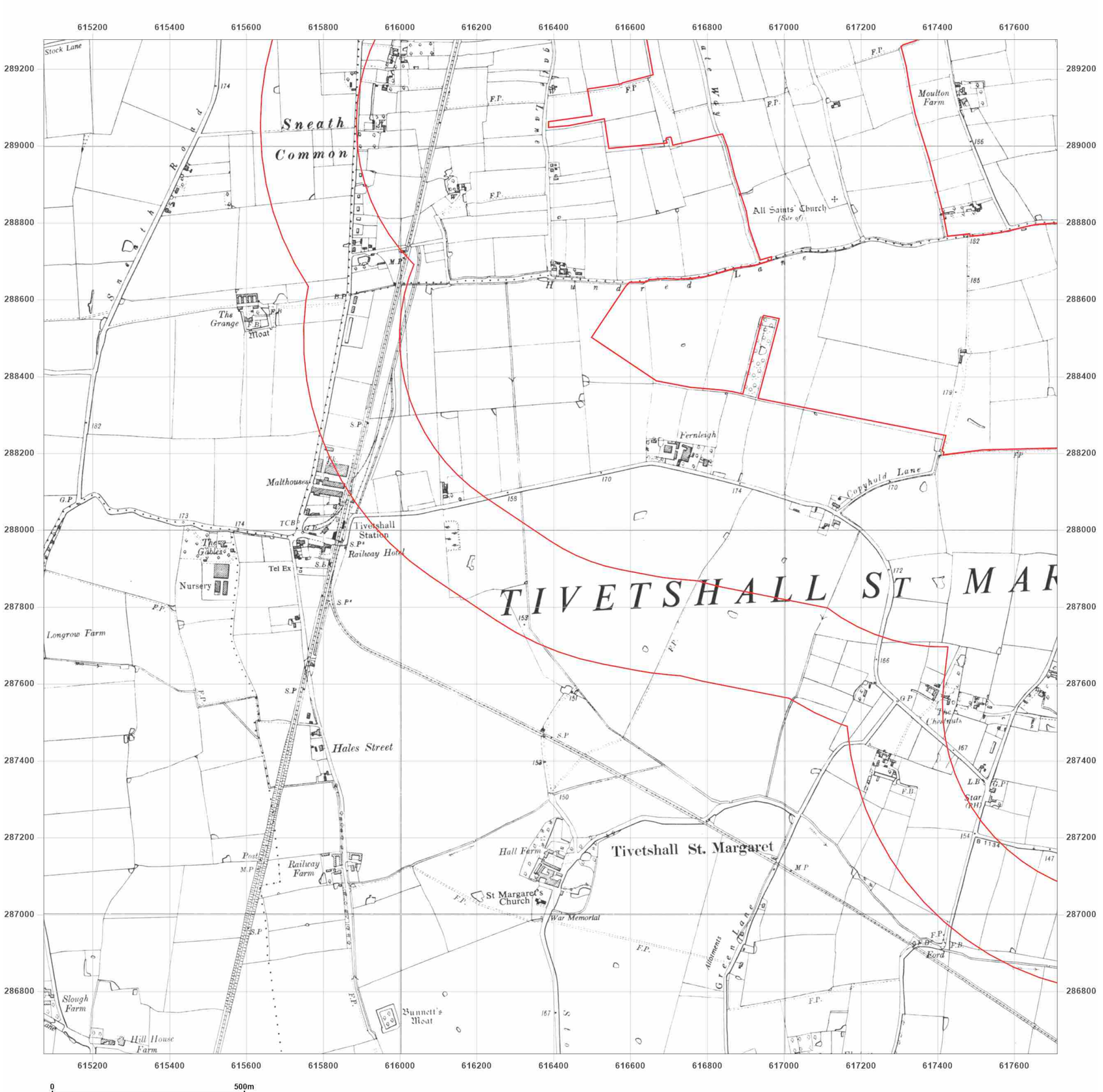

Groundsure INSIGHTS

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

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Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

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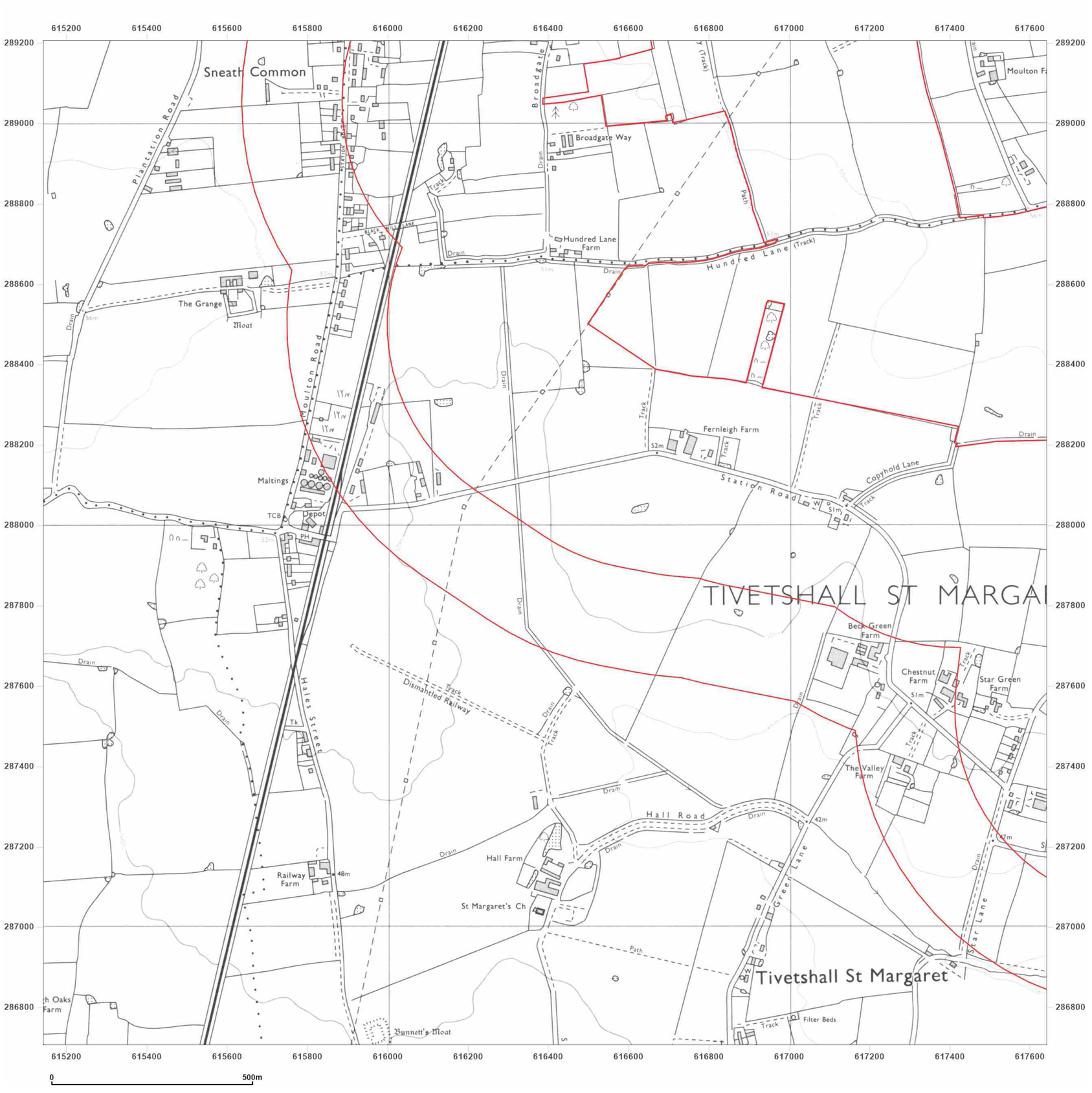

Groundsure INSIGHTS

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

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Surveyed 1979
Revised 1983
Edition N/A
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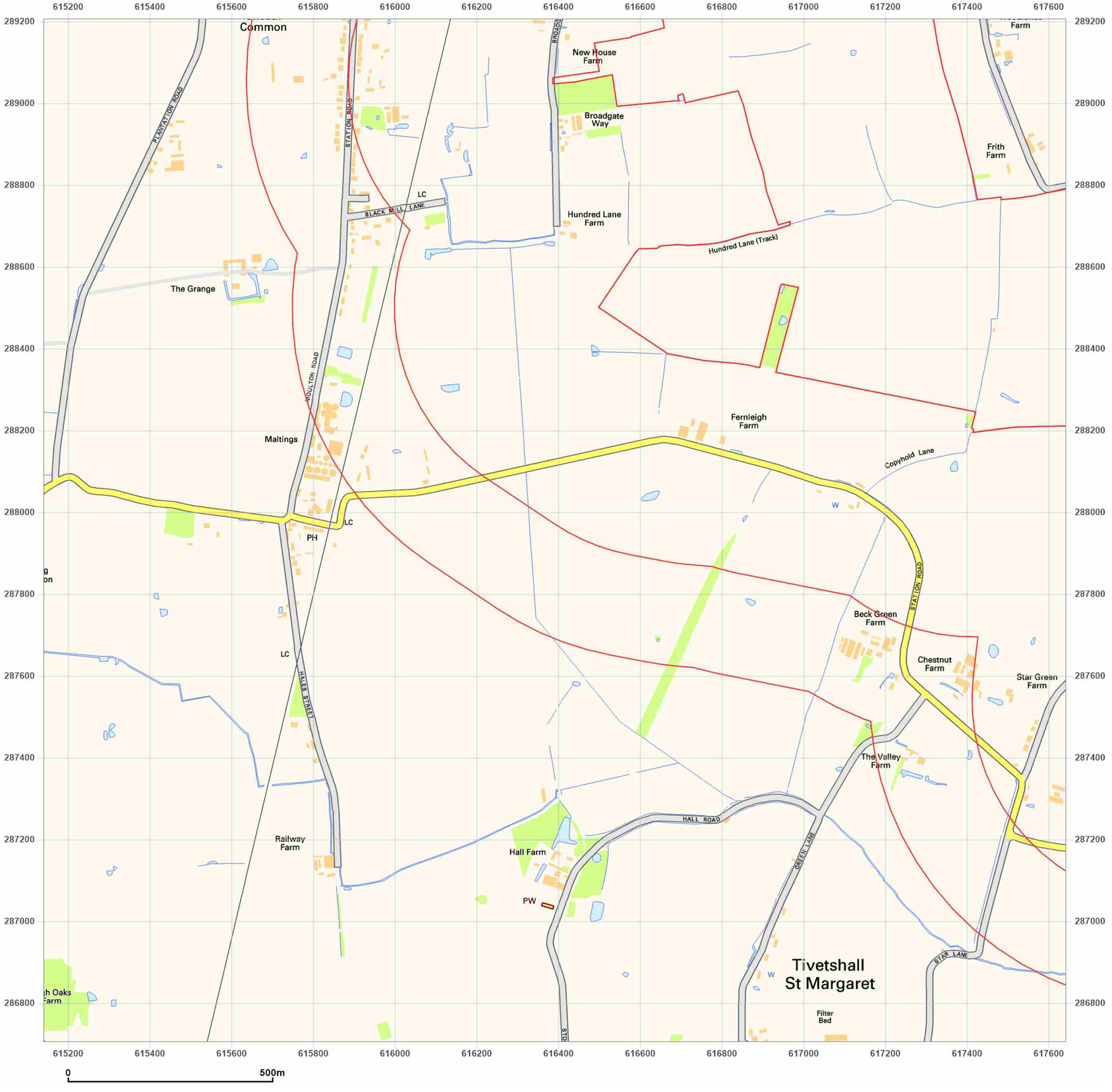

Groundsure INSIGHTS

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: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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2001

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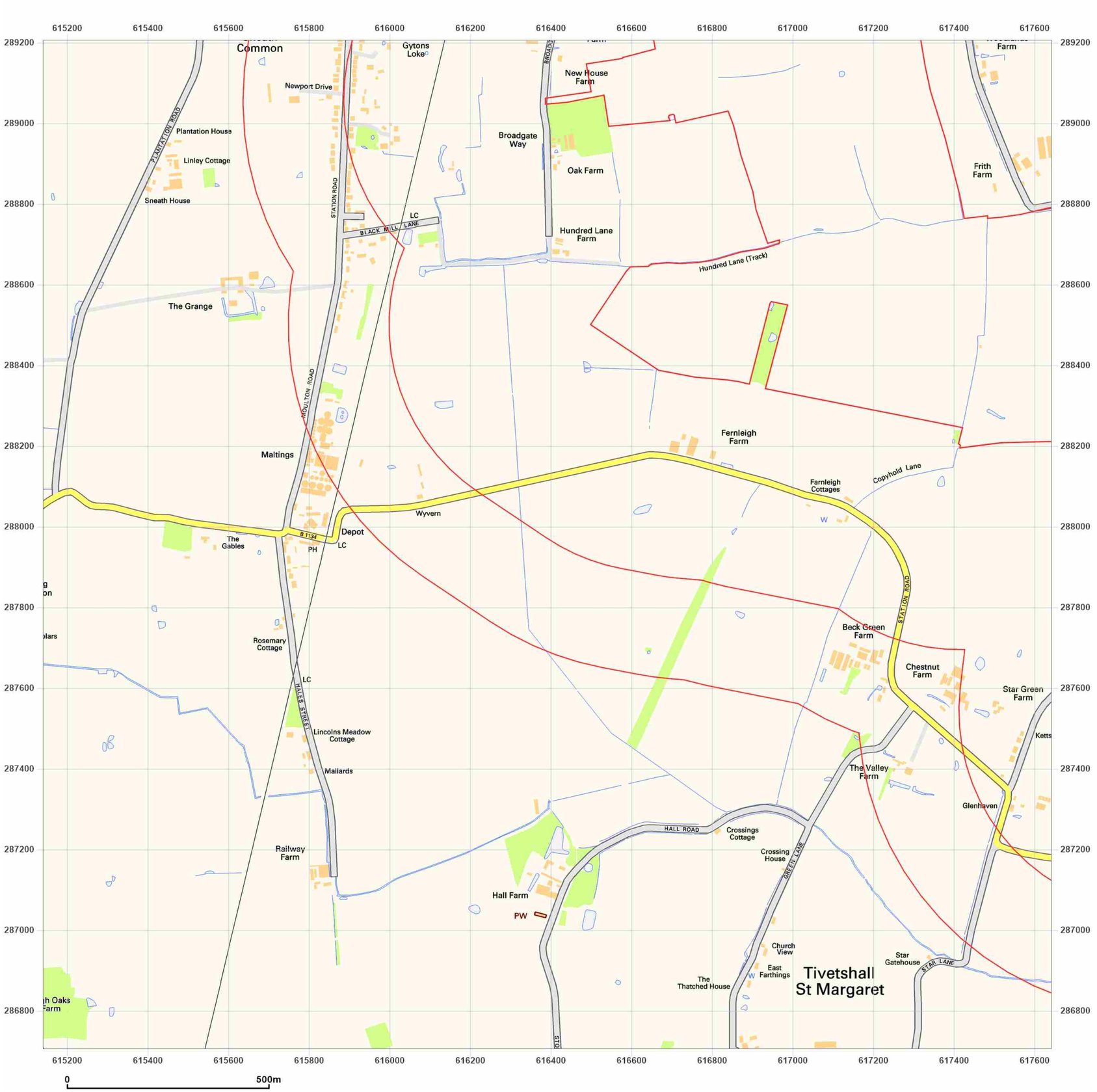

Groundsure INSIGHTS

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: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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2010

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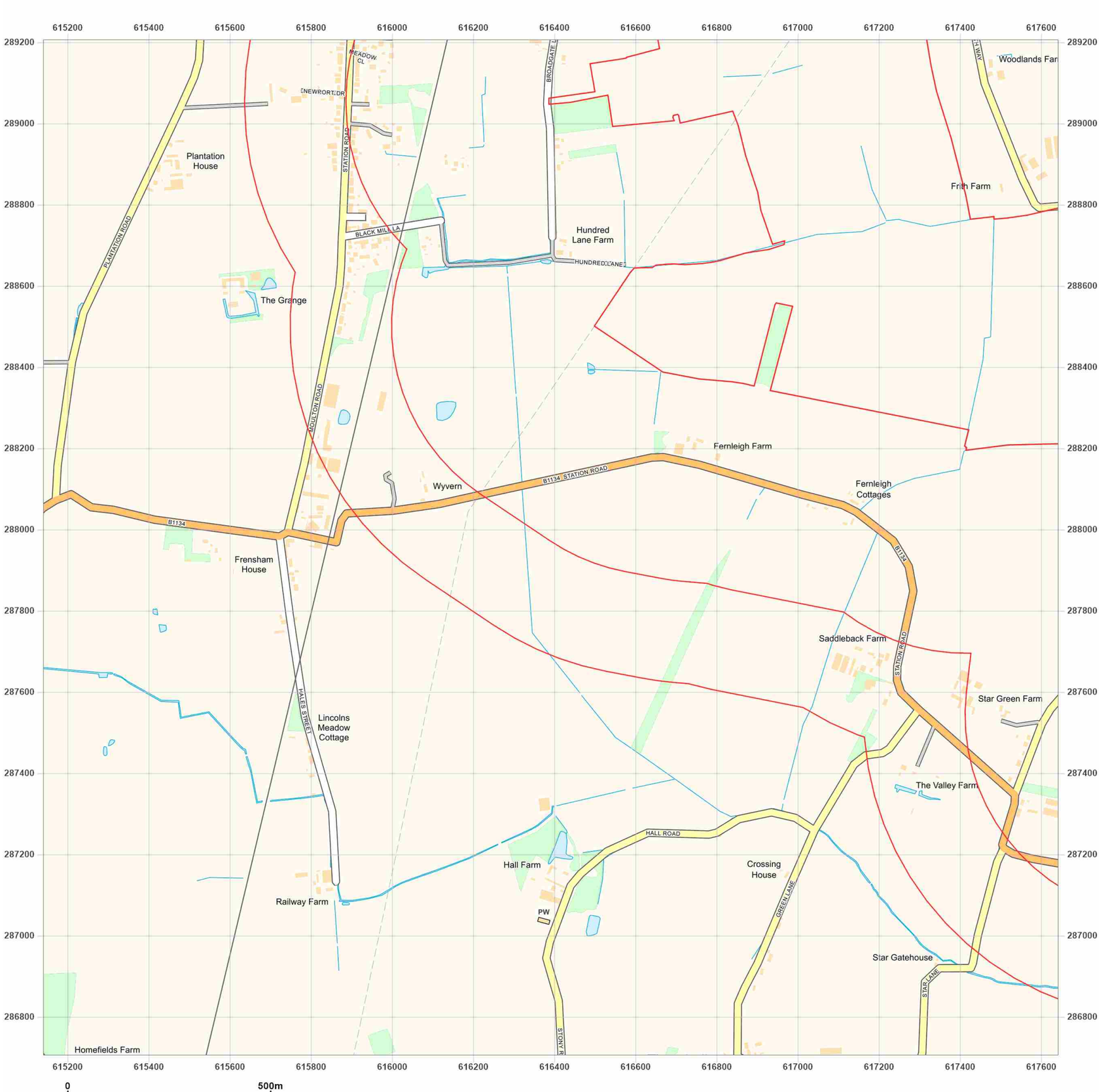

Site Details:

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: **2024**

Scale: 1:10,000

Printed at: 1:10,000

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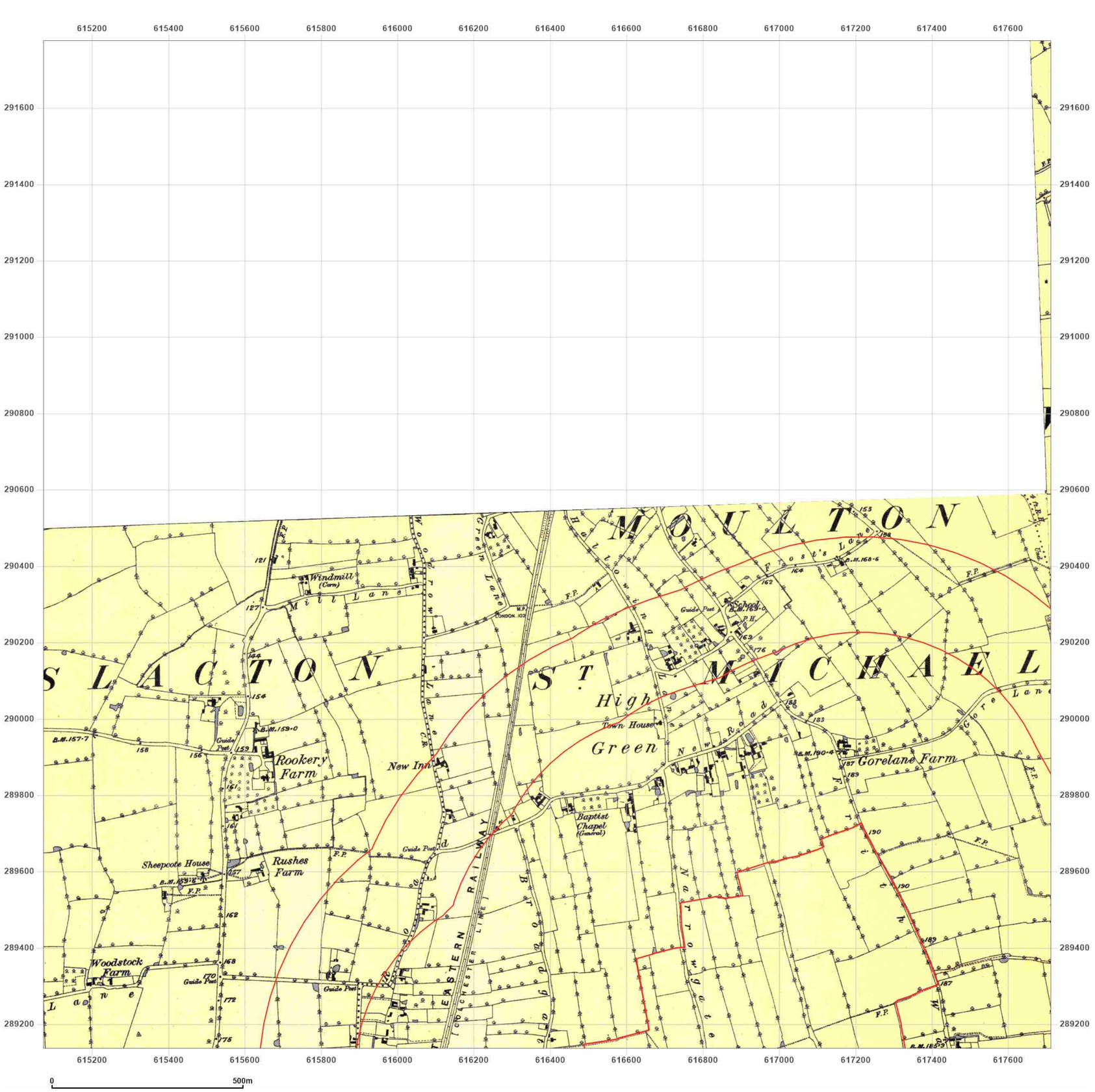

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_1_2
Grid Ref: 616391, 290456

Map Name: County Series

Map date: **1883**

Scale: 1:10,560

Printed at: 1:10,560

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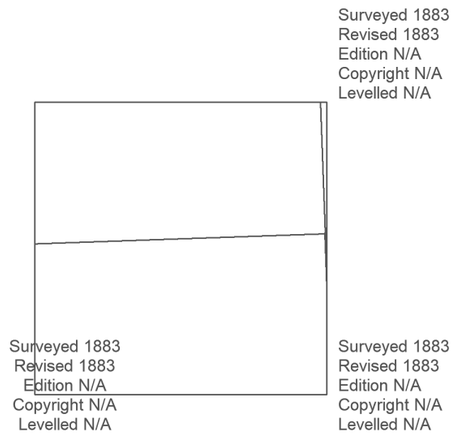

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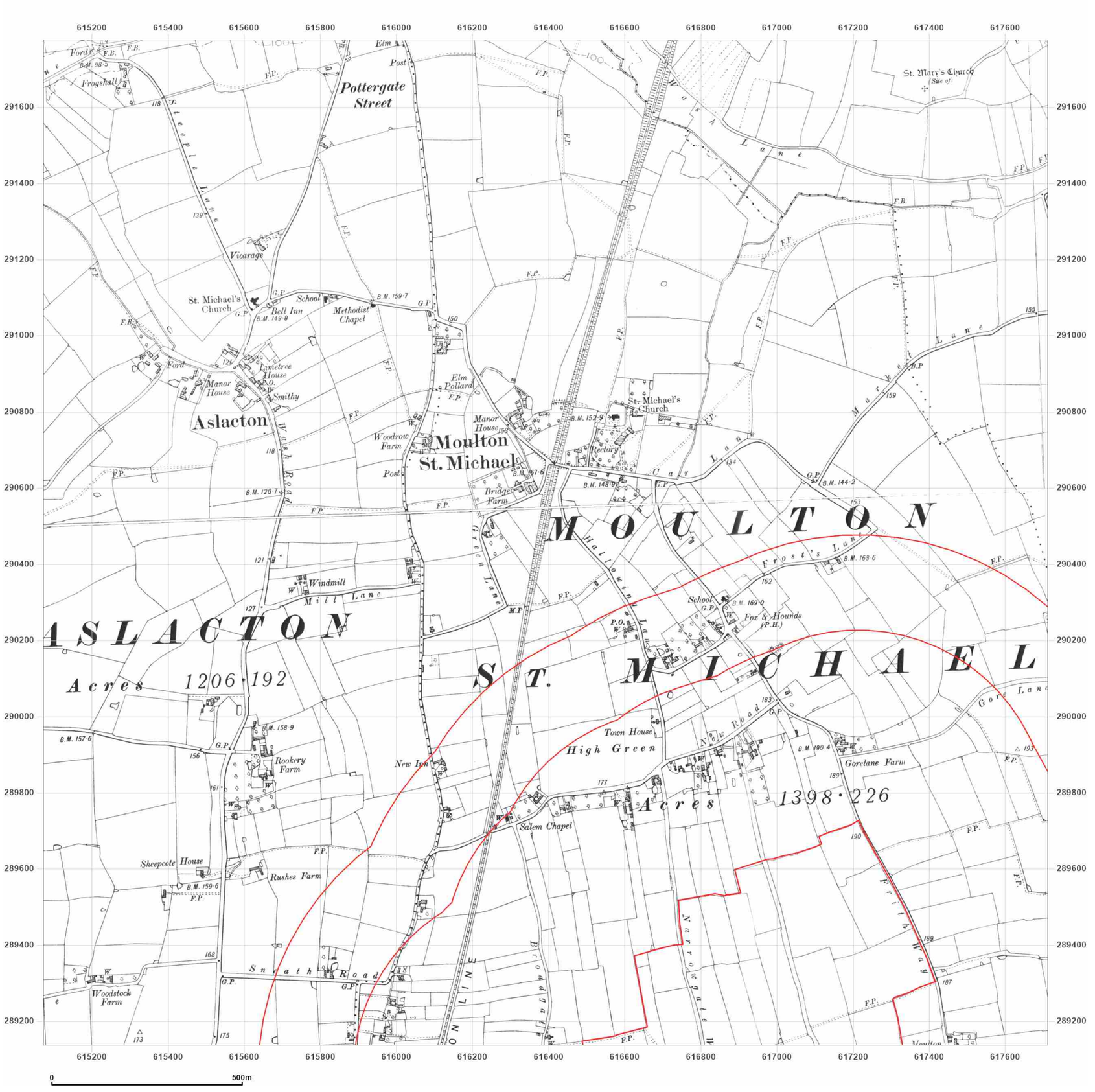


Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_1_2
Grid Ref: 616391, 290456

Map Name: County Series

Map date: **1904-1906**

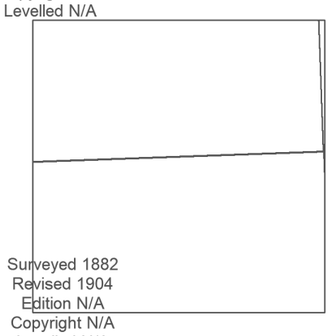
Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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
Copyright N/A
Levelled N/A

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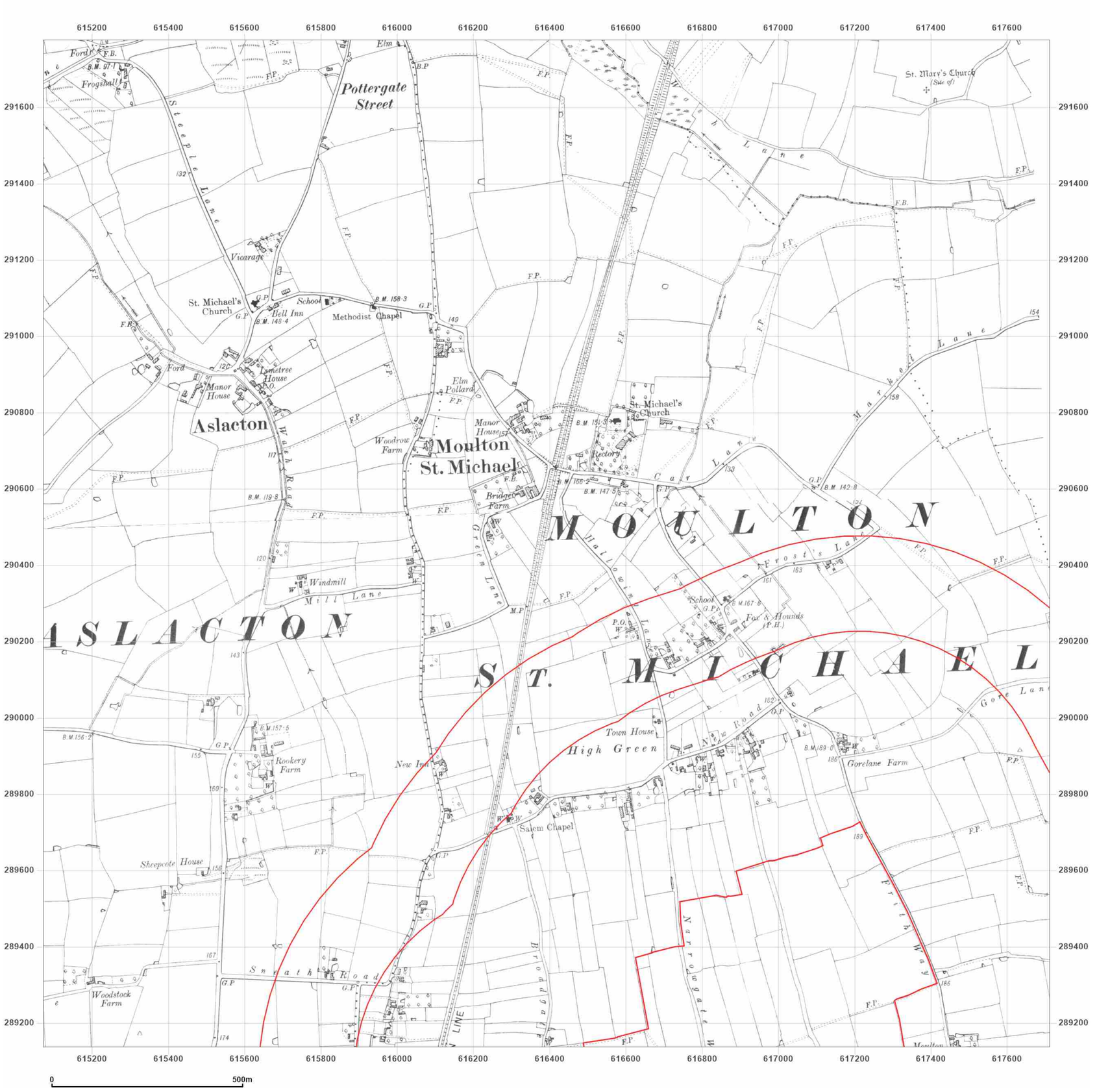


Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_1_2
Grid Ref: 616391, 290456

Map Name: County Series

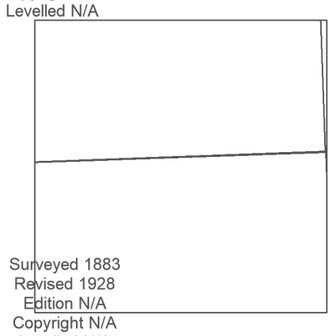
Map date: **1928**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1882
Revised 1928
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1883
Revised 1928
Edition N/A
Copyright N/A
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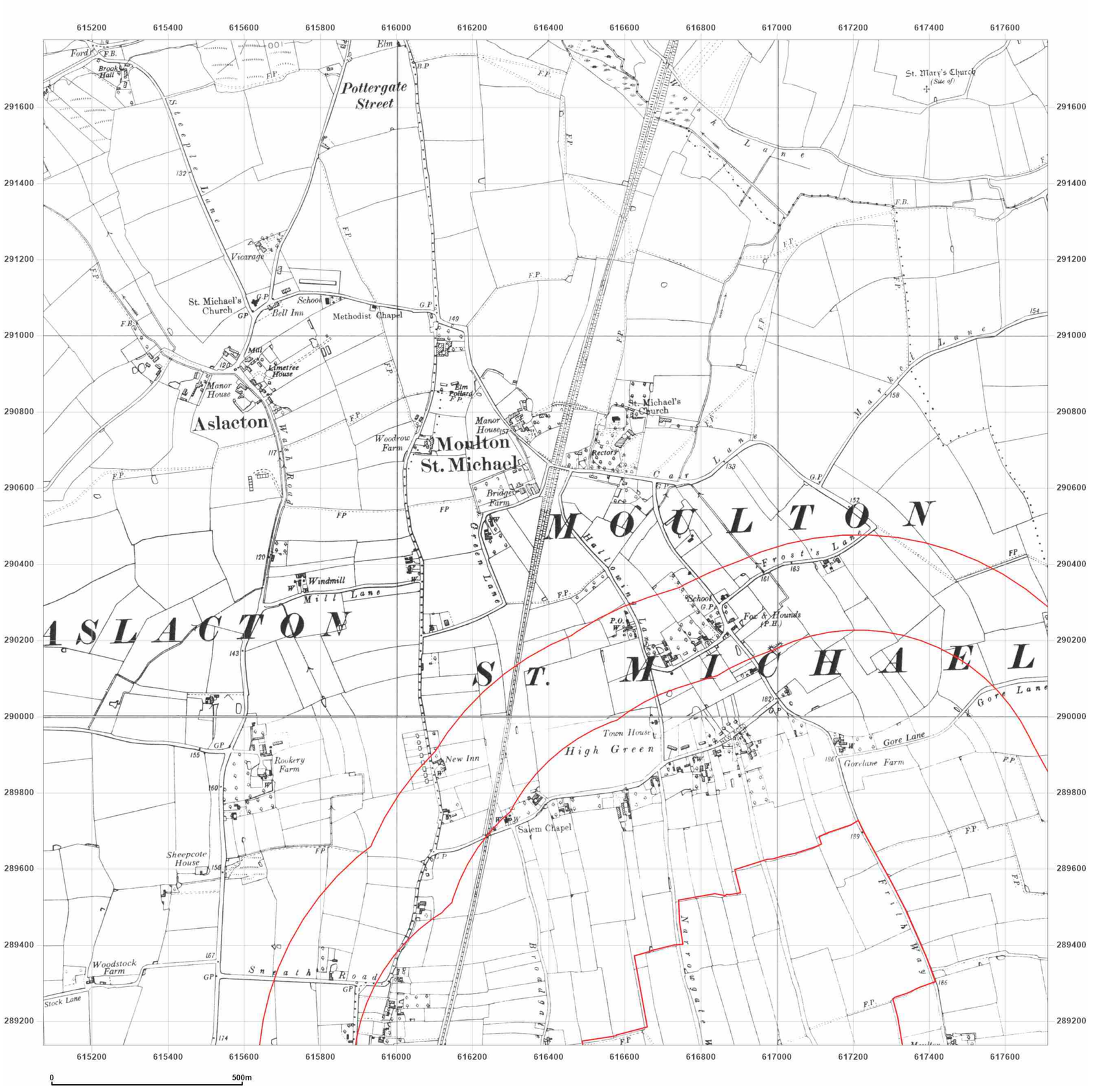

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_1_2
Grid Ref: 616391, 290456

Map Name: Provisional

Map date: **1951-1953**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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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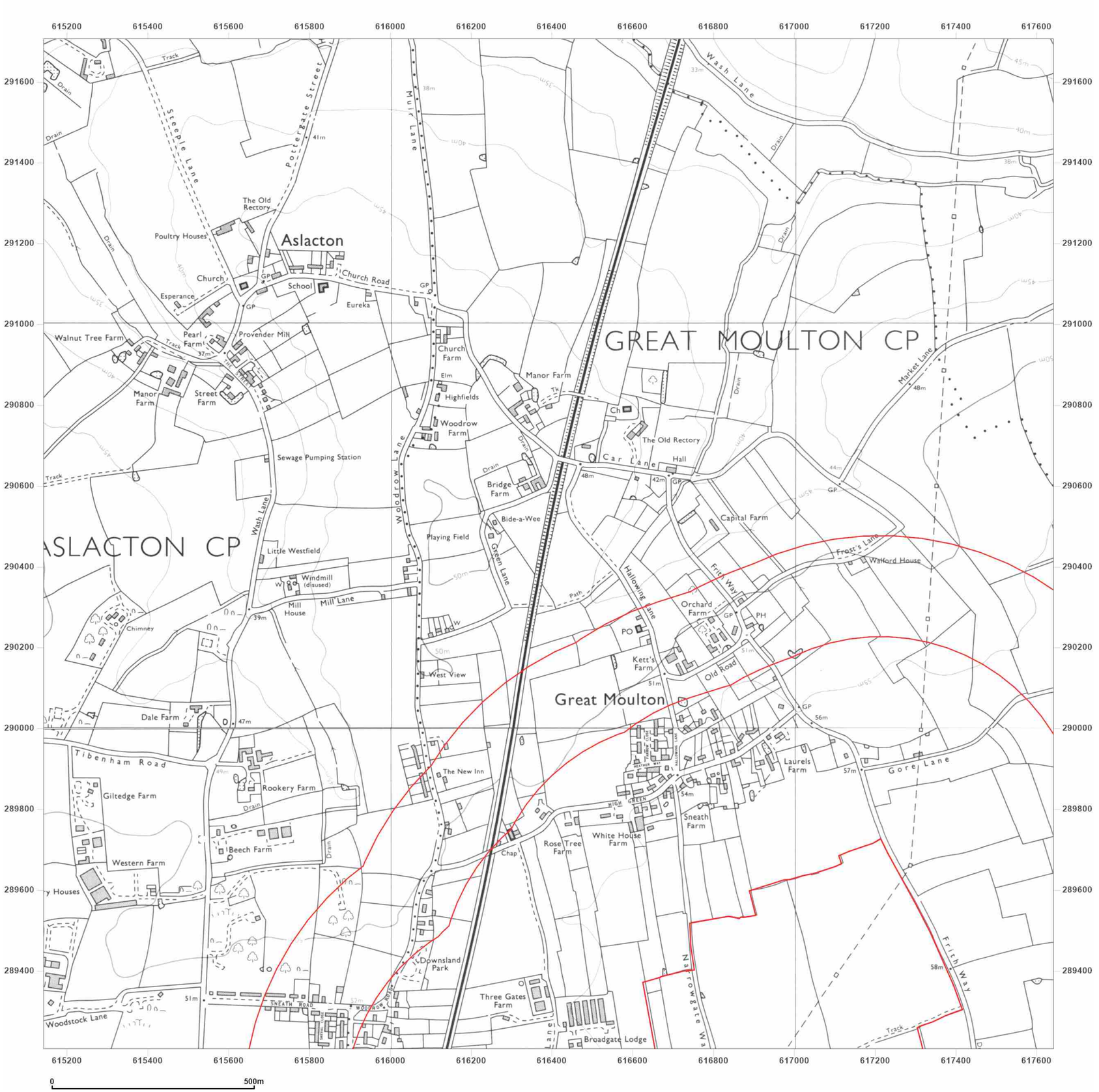

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_1_2
Grid Ref: 616391, 290456

Map Name: National Grid

Map date: **1979-1983**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

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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Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_1_2
Grid Ref: 616391, 290456

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
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2001

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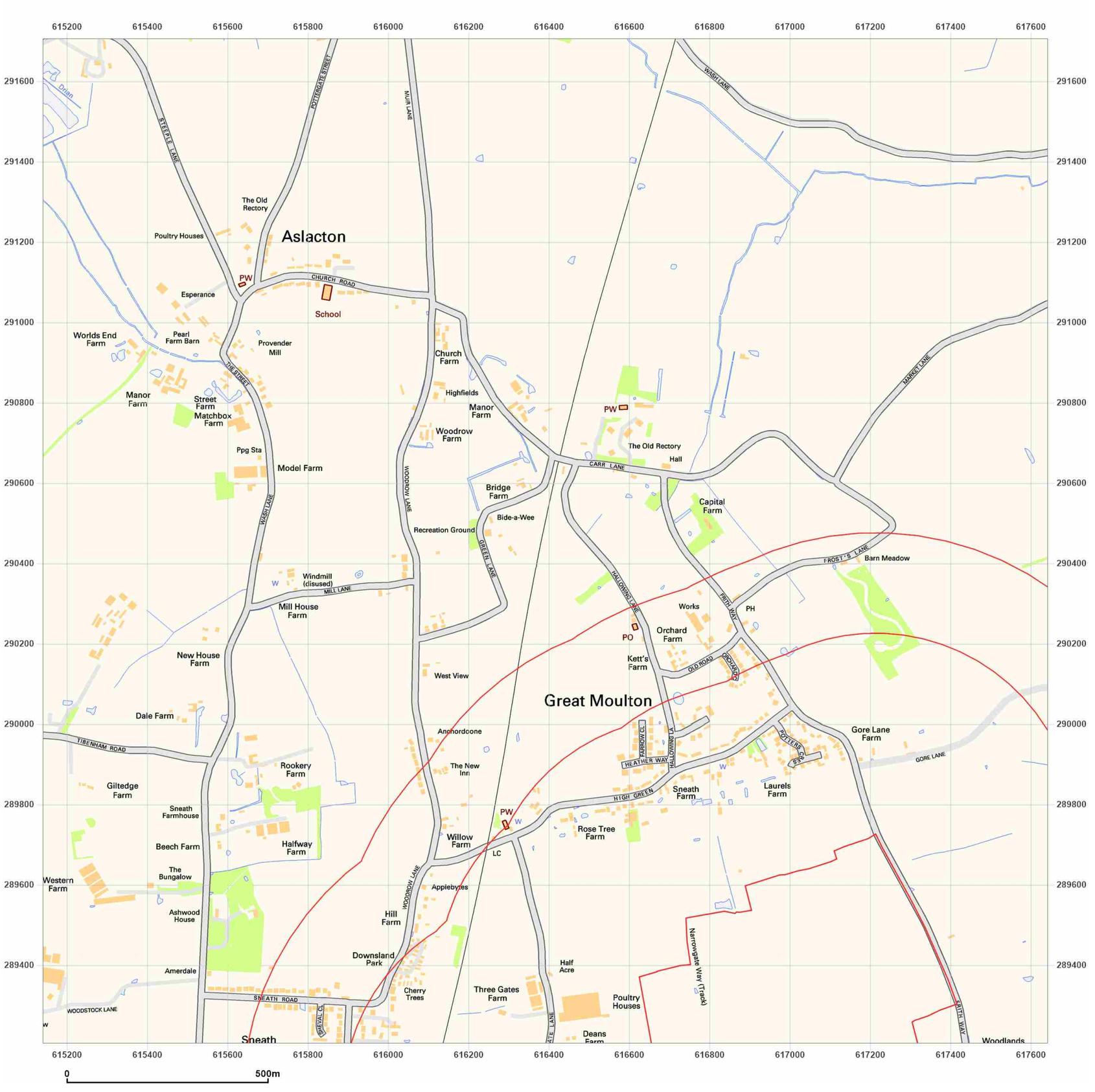

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_1_2
Grid Ref: 616391, 290456

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2010

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Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_1_2
Grid Ref: 616391, 290456

Map Name: National Grid

Map date: **2024**

Scale: 1:10,000

Printed at: 1:10,000

N
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2024

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Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_1
Grid Ref: 618891, 287956

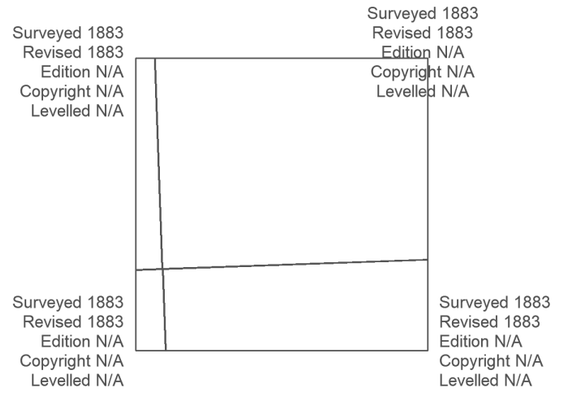
Map Name: County Series

Map date: **1883**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



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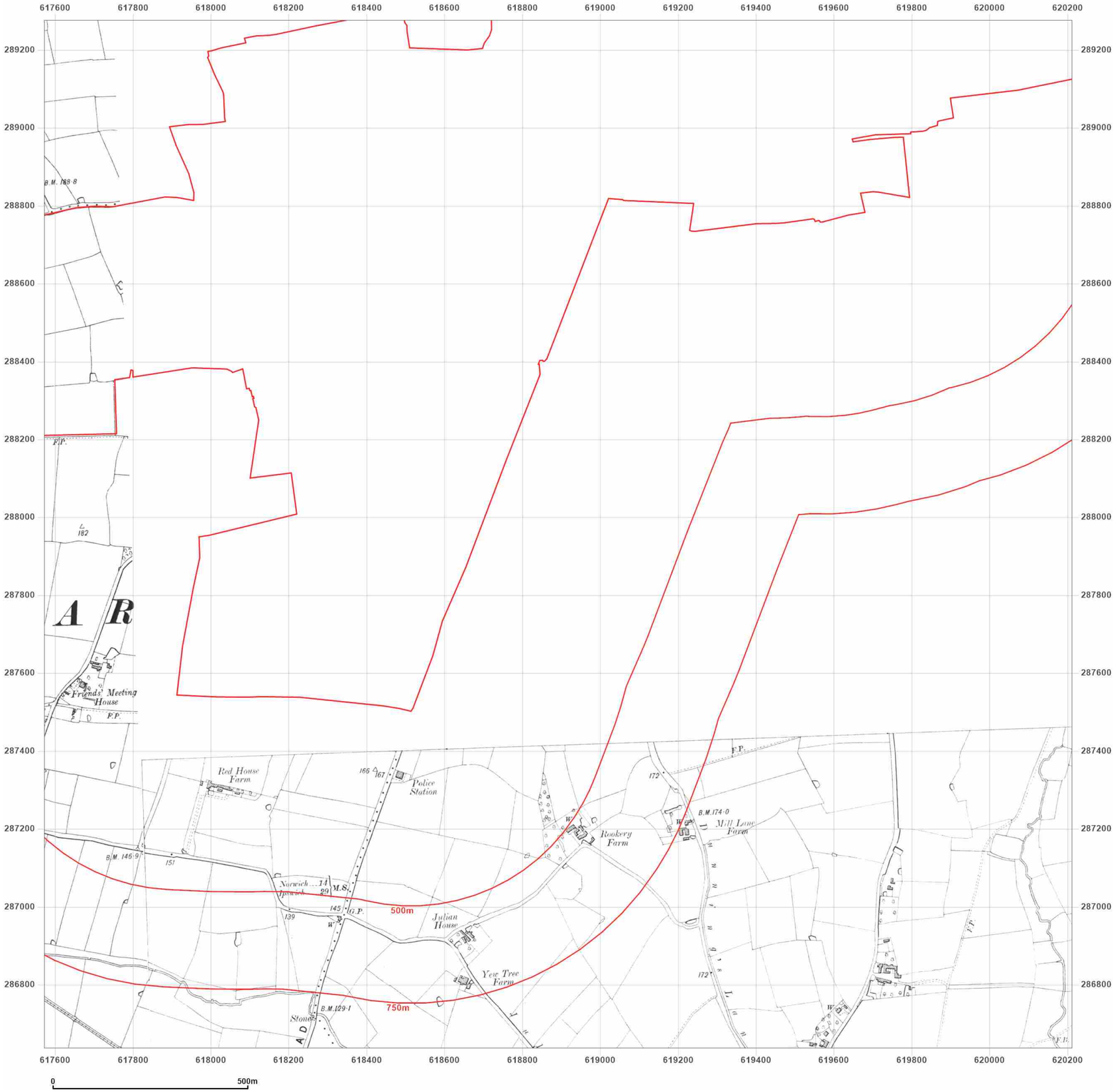


Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_1
Grid Ref: 618891, 287956

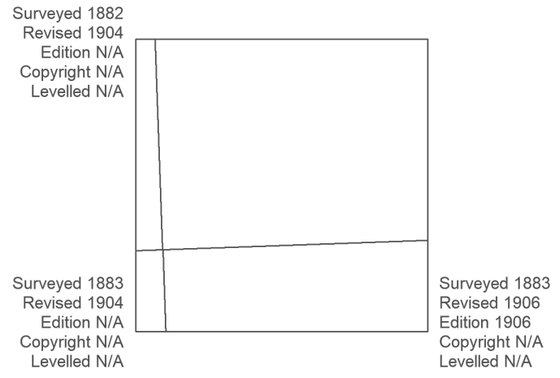
Map Name: County Series

Map date: **1904-1906**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



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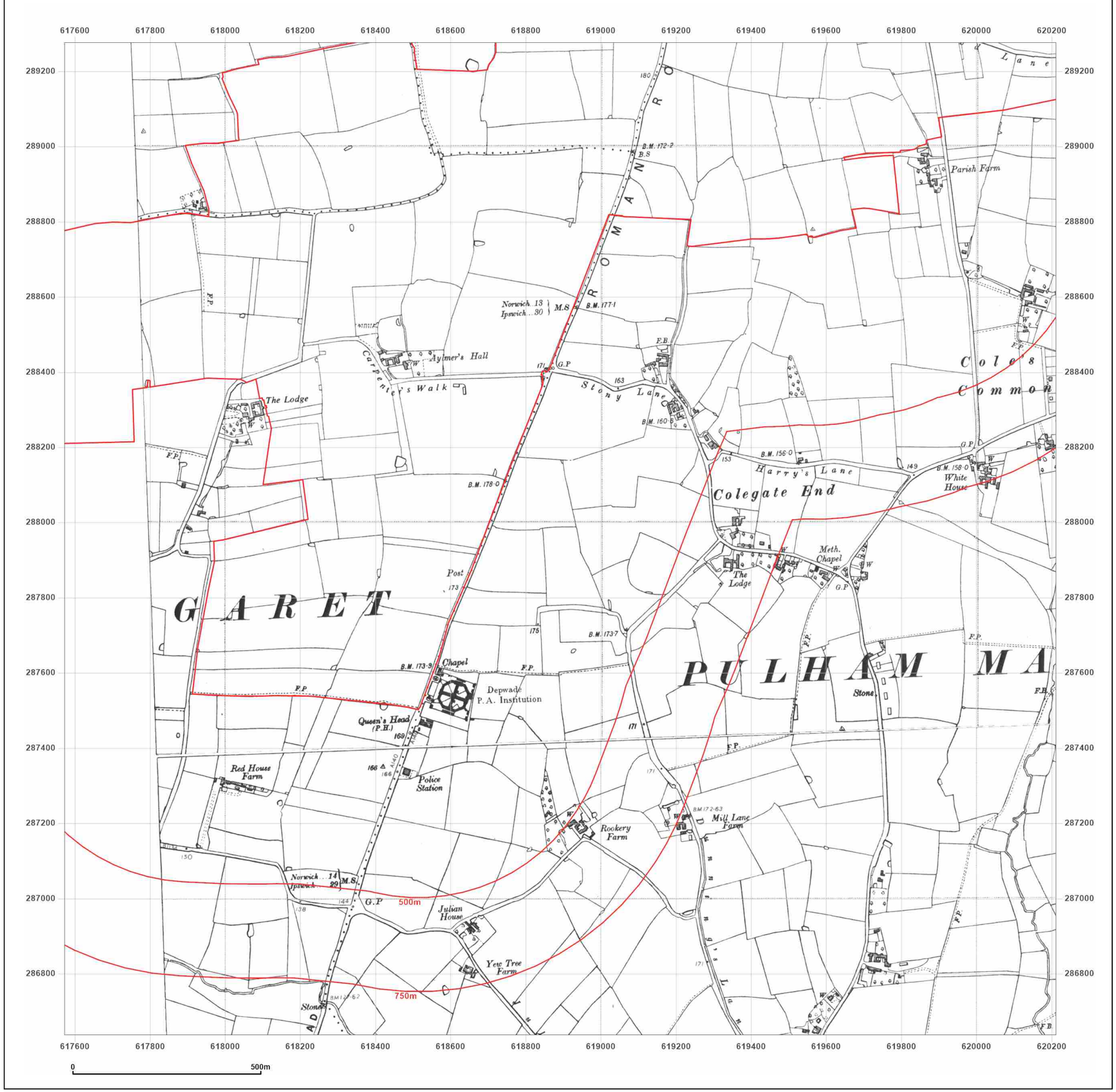


Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_1
Grid Ref: 618891, 287956

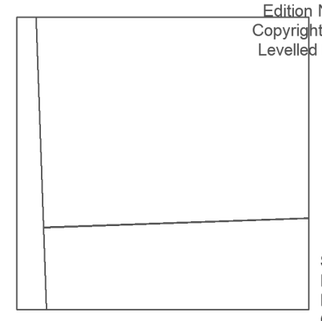
Map Name: County Series

Map date: **1946**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S



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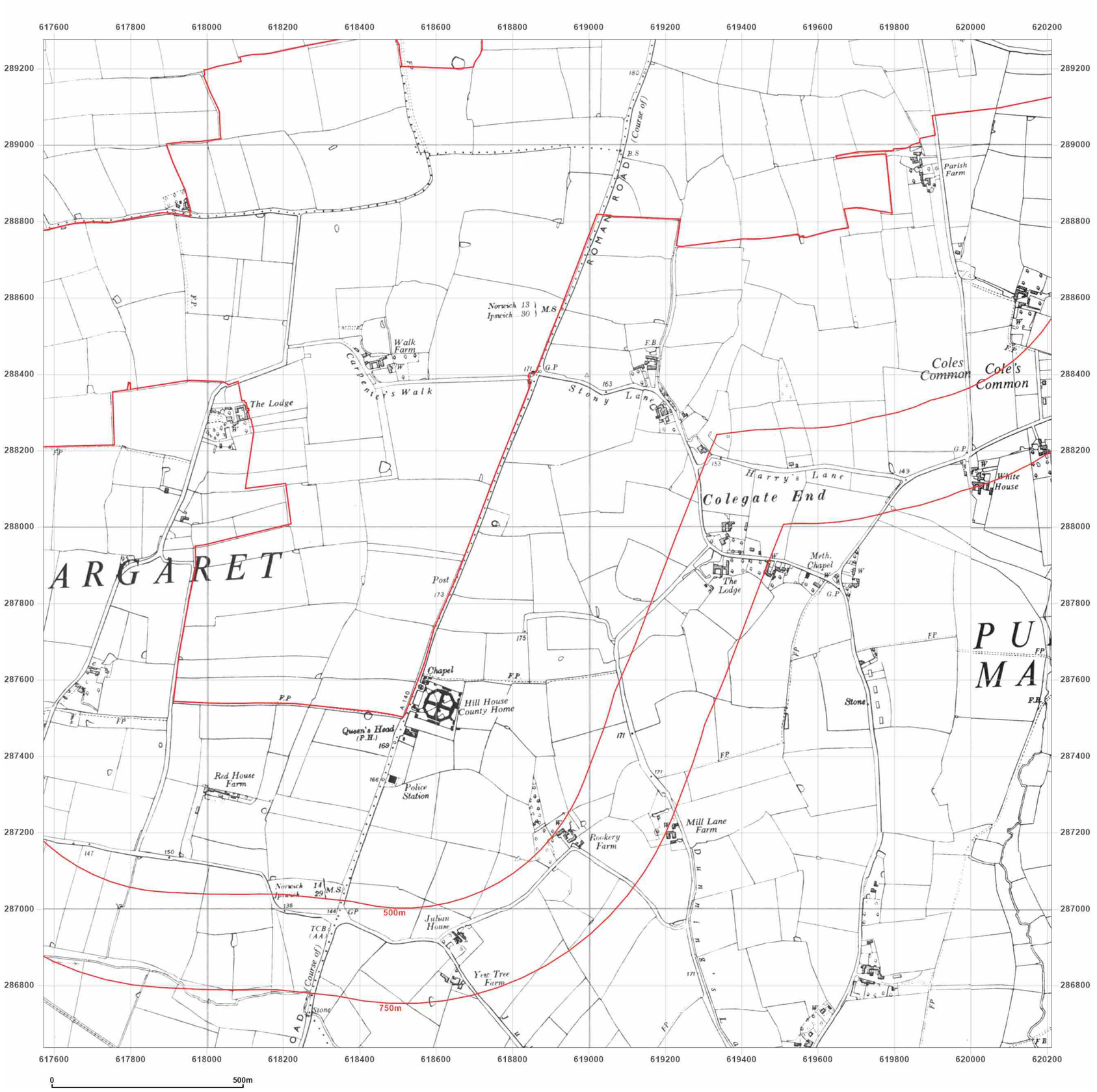

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
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

N
W E
S

Surveyed 1951
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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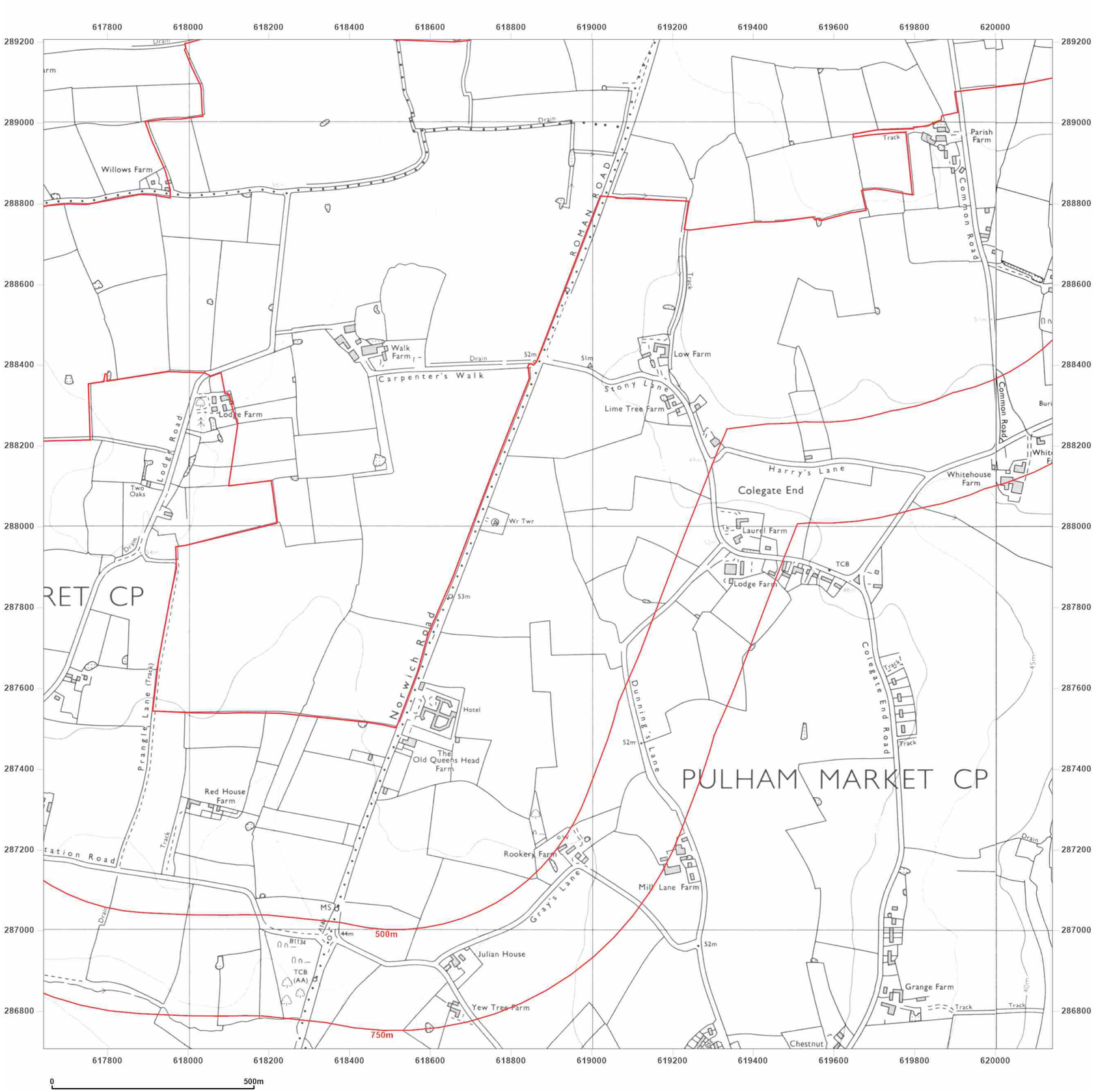

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
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

N
W E
S

Surveyed 1979
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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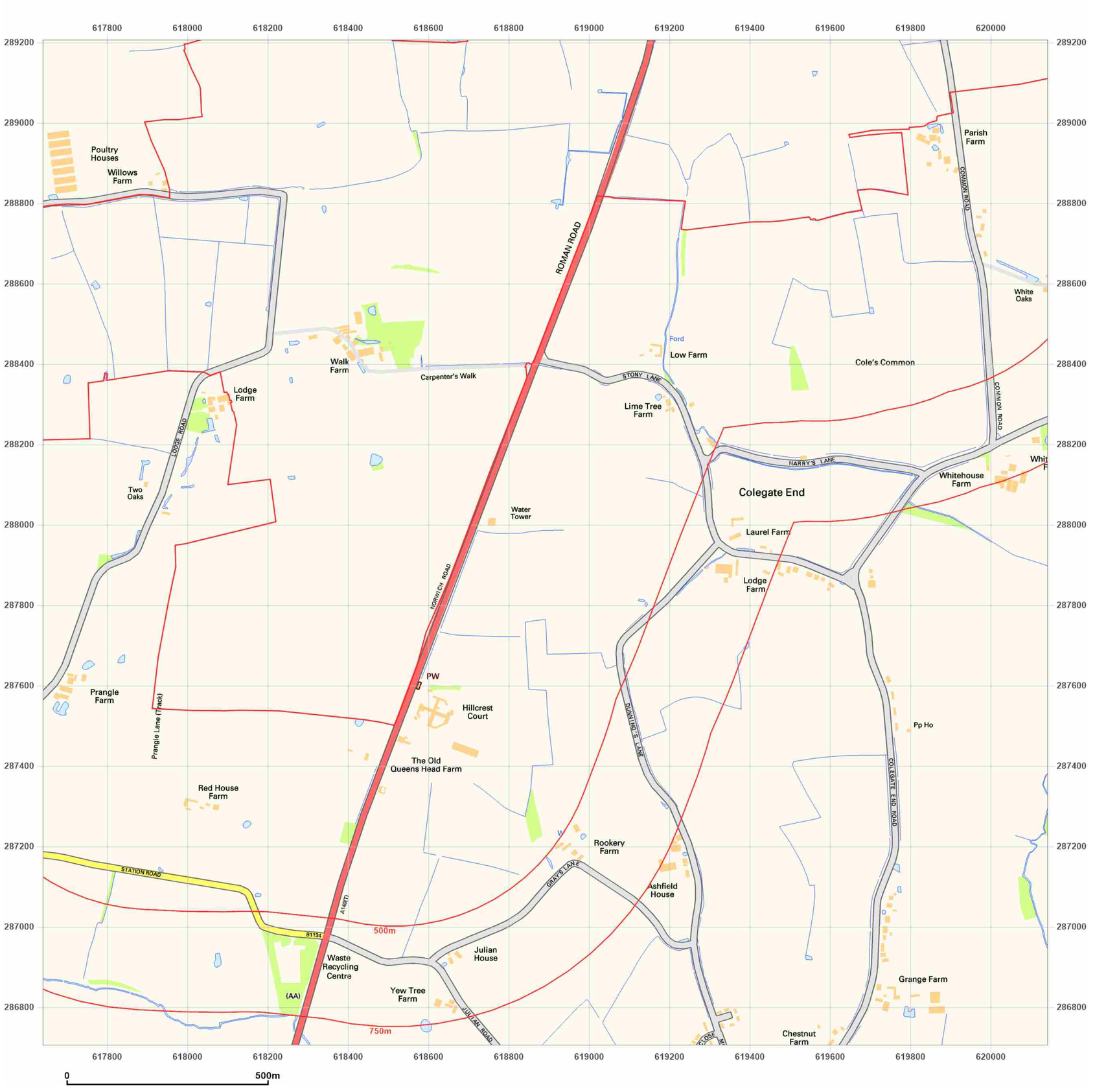

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_1
Grid Ref: 618891, 287956

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2001

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Production date: 22 August 2024

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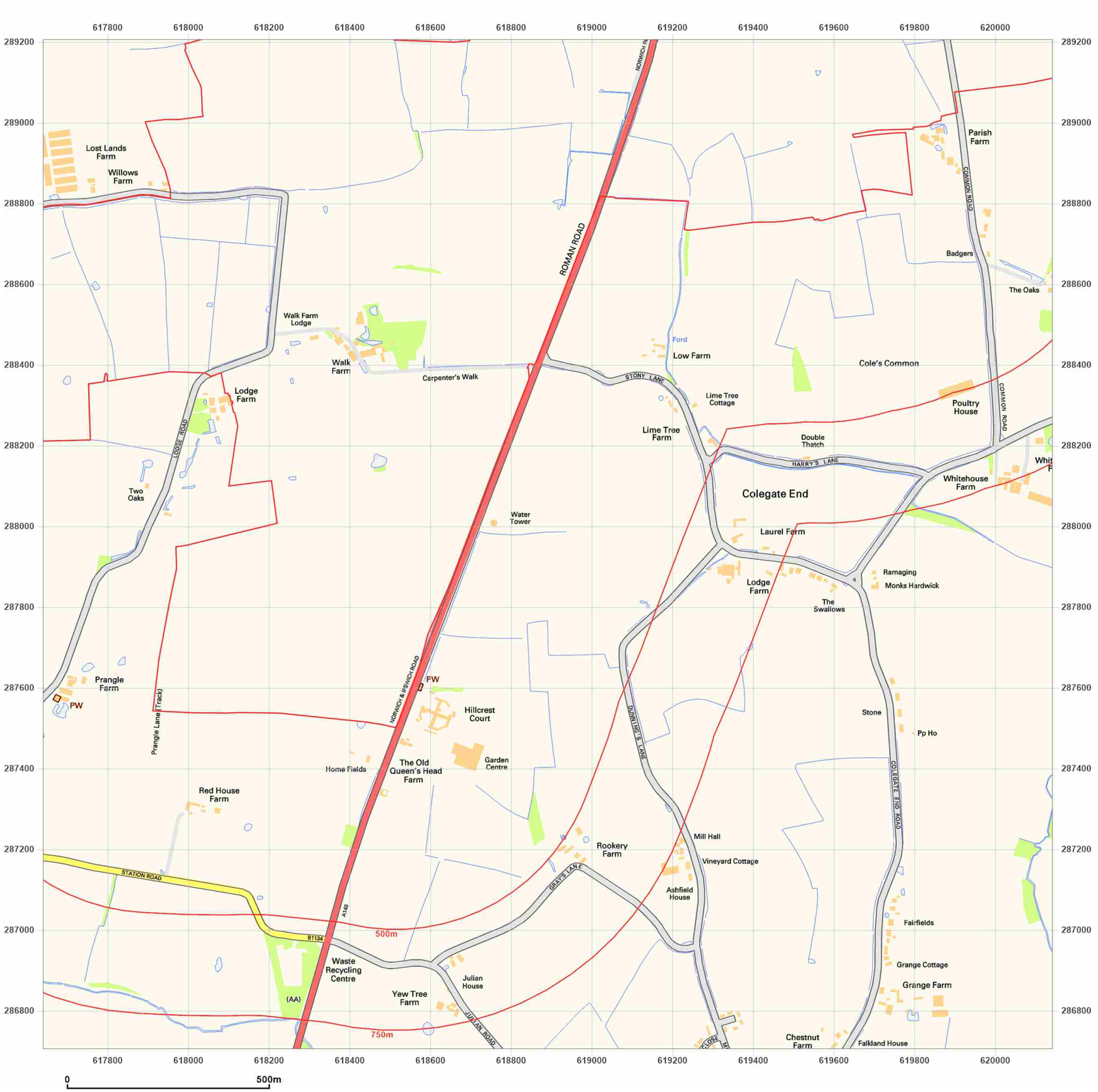

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_1
Grid Ref: 618891, 287956

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
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2010

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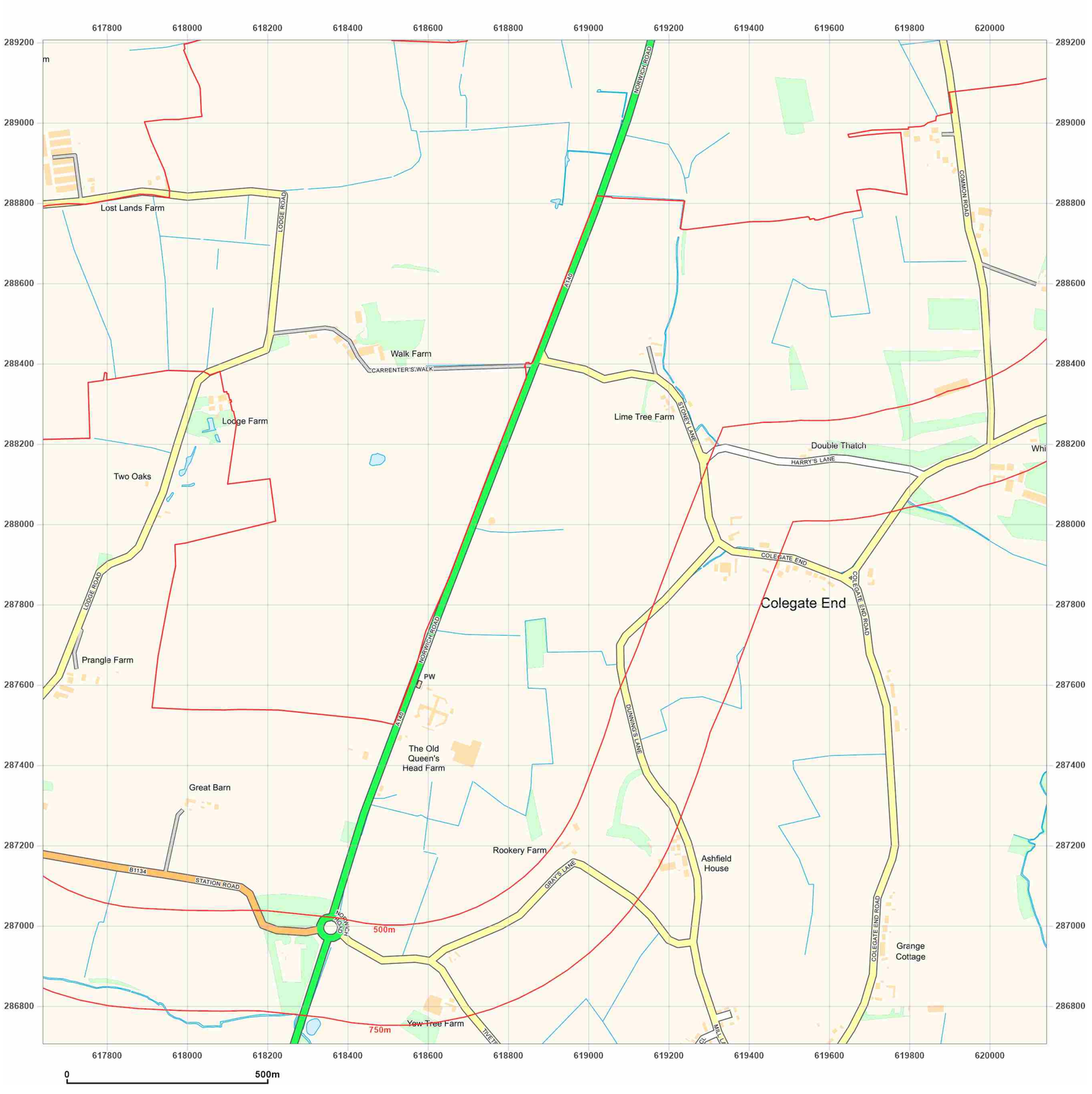

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_1
Grid Ref: 618891, 287956

Map Name: National Grid

Map date: **2024**

Scale: 1:10,000

Printed at: 1:10,000

N
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2024

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Groundsure INSIGHTS

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

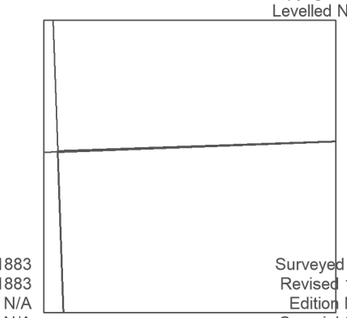
Map date: **1883**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

Surveyed 1883
Revised 1883
Edition N/A
Copyright N/A
Levelled N/A

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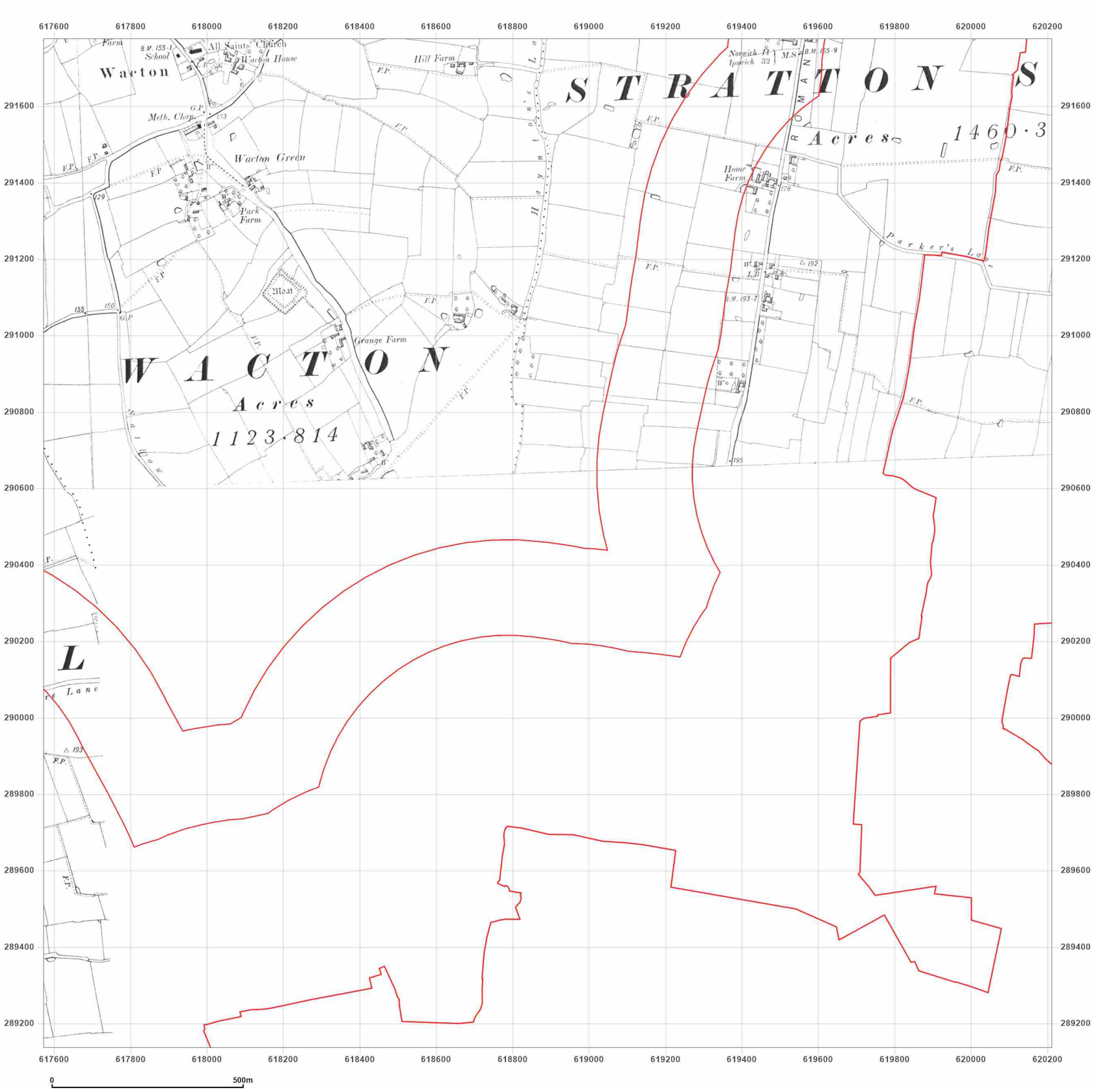


Groundsure INSIGHTS

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**

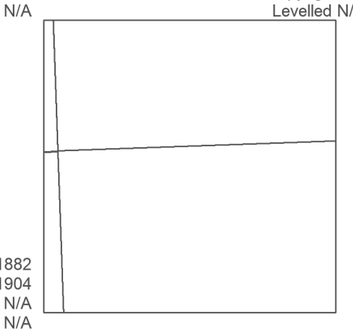
Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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
Copyright N/A
Levelled N/A

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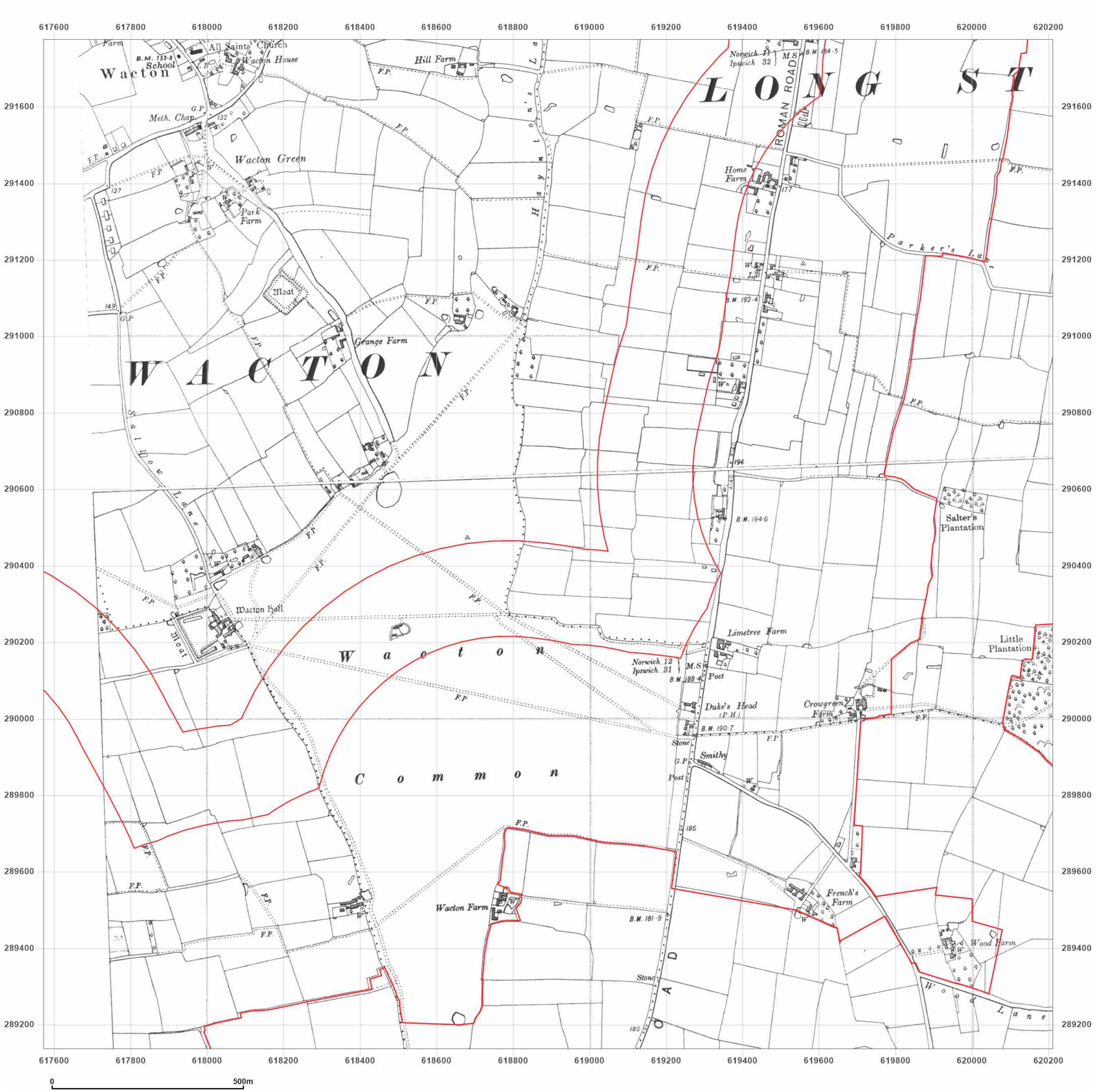


Groundsure INSIGHTS

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

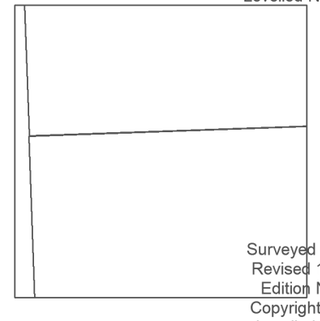
Map date: **1946**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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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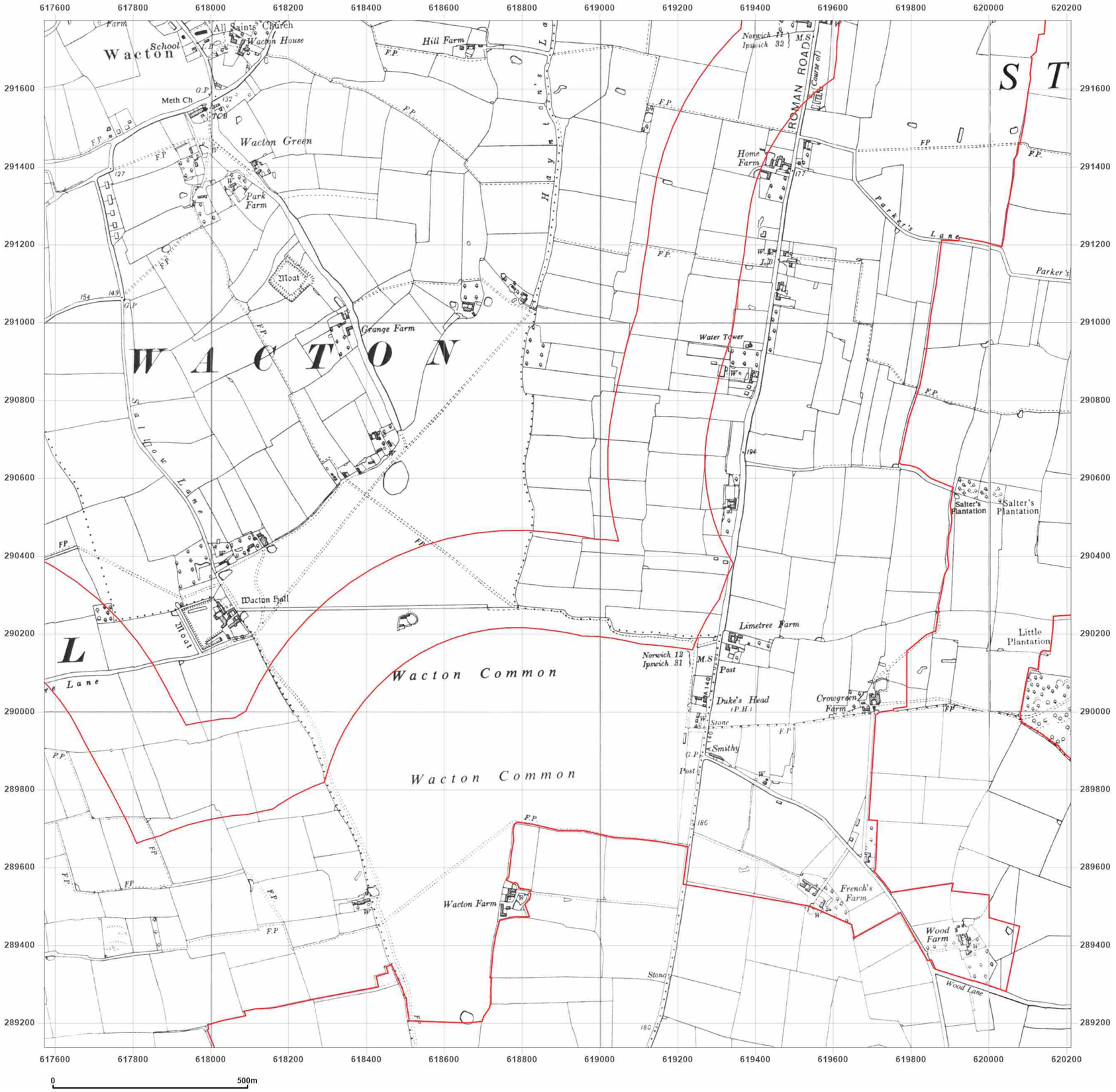


Groundsure INSIGHTS

Site Details:

Long Stratton

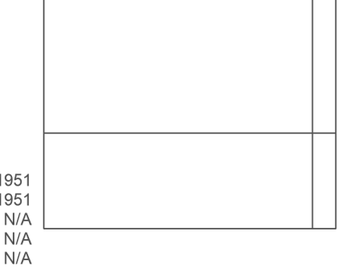
Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_2
Grid Ref: 618891, 290456

Map Name: Provisional
Map date: **1951-1953**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
S

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



Surveyed 1951
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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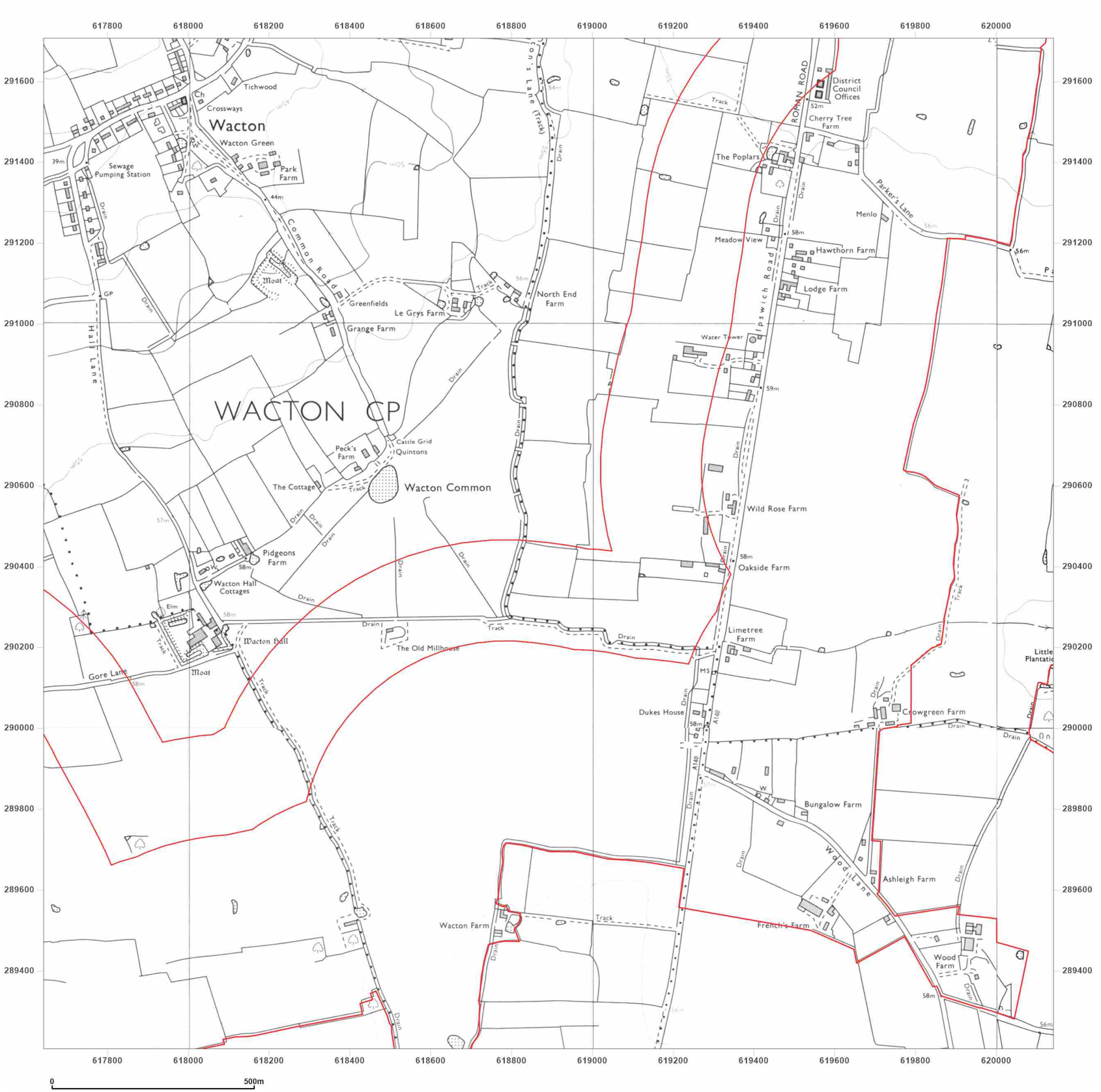

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
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

N
W E
S

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

Surveyed 1979
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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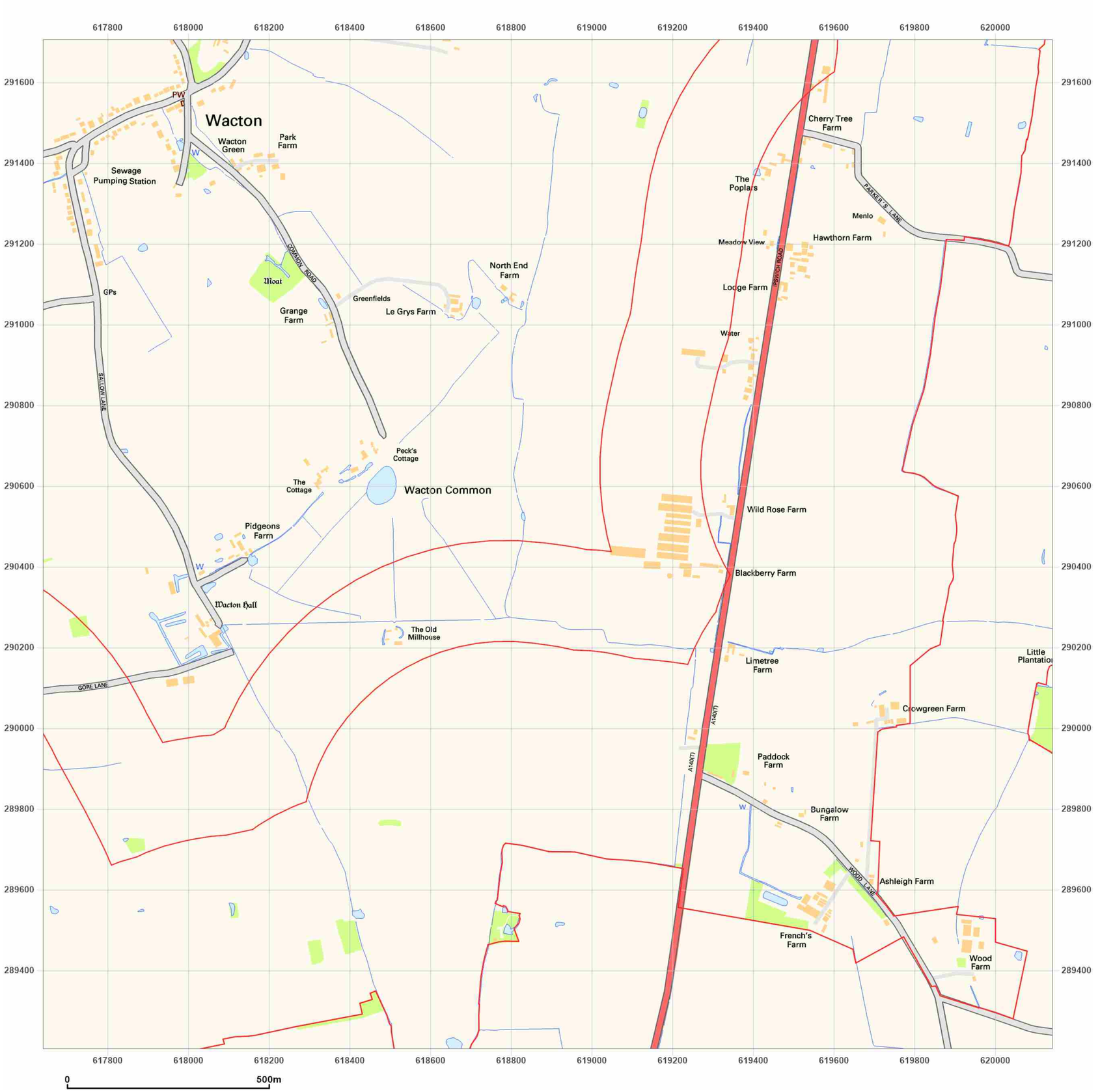

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_2
Grid Ref: 618891, 290456

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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2001

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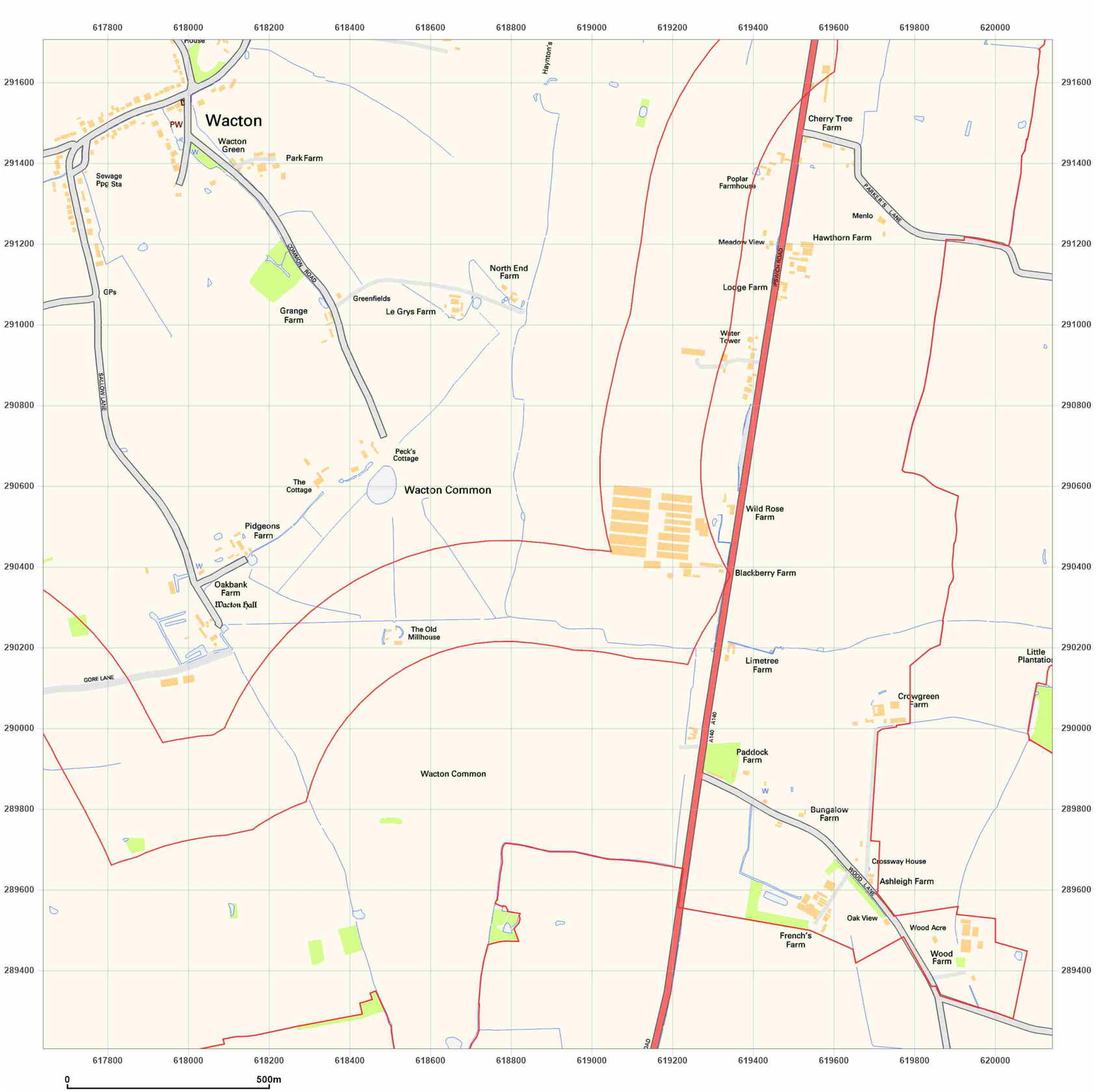

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Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_2
Grid Ref: 618891, 290456

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
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2010

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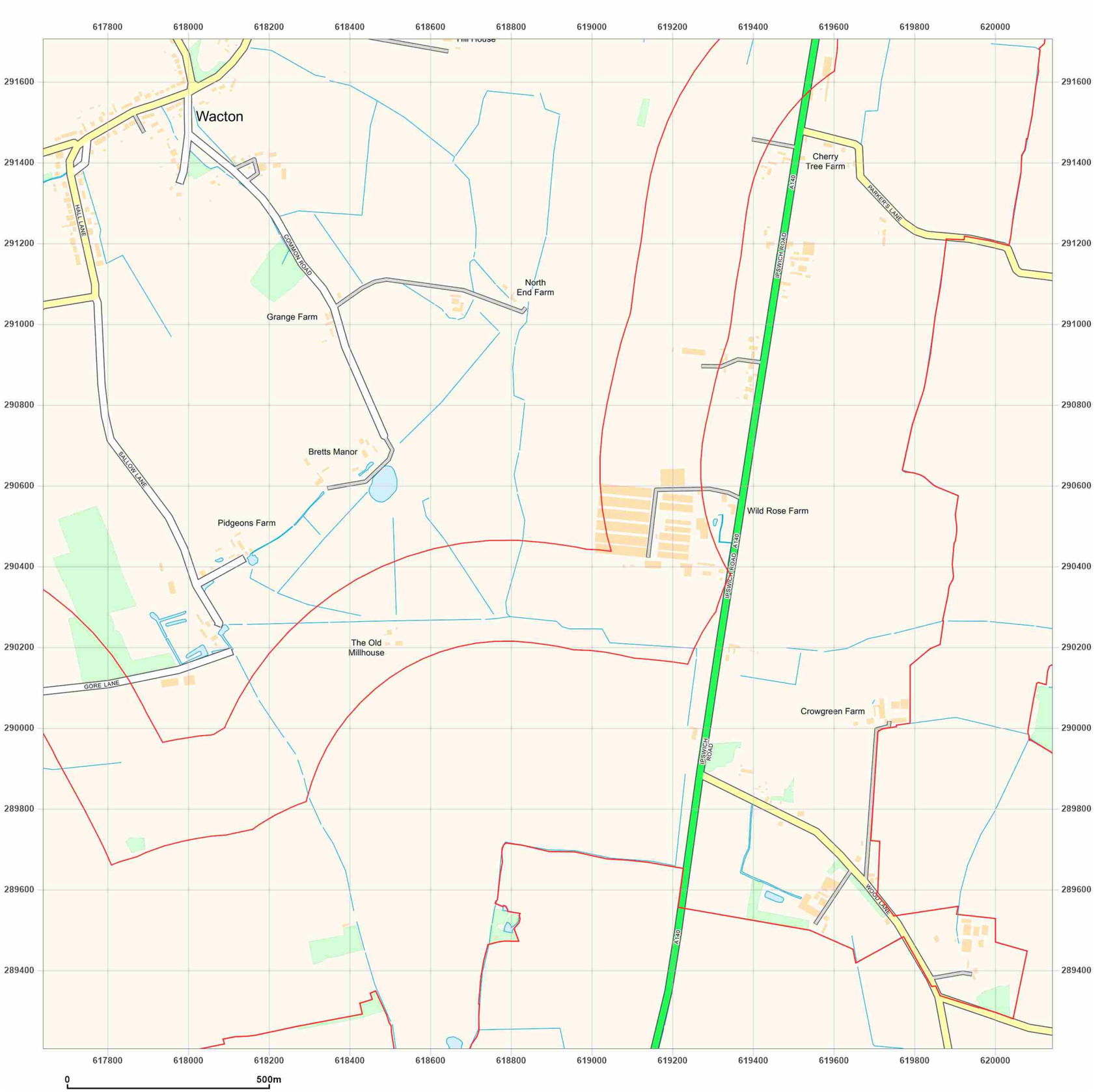

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_2
Grid Ref: 618891, 290456

Map Name: National Grid

Map date: **2024**

Scale: 1:10,000

Printed at: 1:10,000

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2024

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Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_3
Grid Ref: 618891, 292956

Map Name: County Series

Map date: **1883**

Scale: 1:10,560

Printed at: 1:10,560

N
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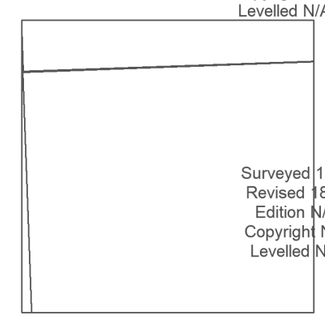
Surveyed 1883
Revised 1883
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1883
Revised 1883
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 22 August 2024

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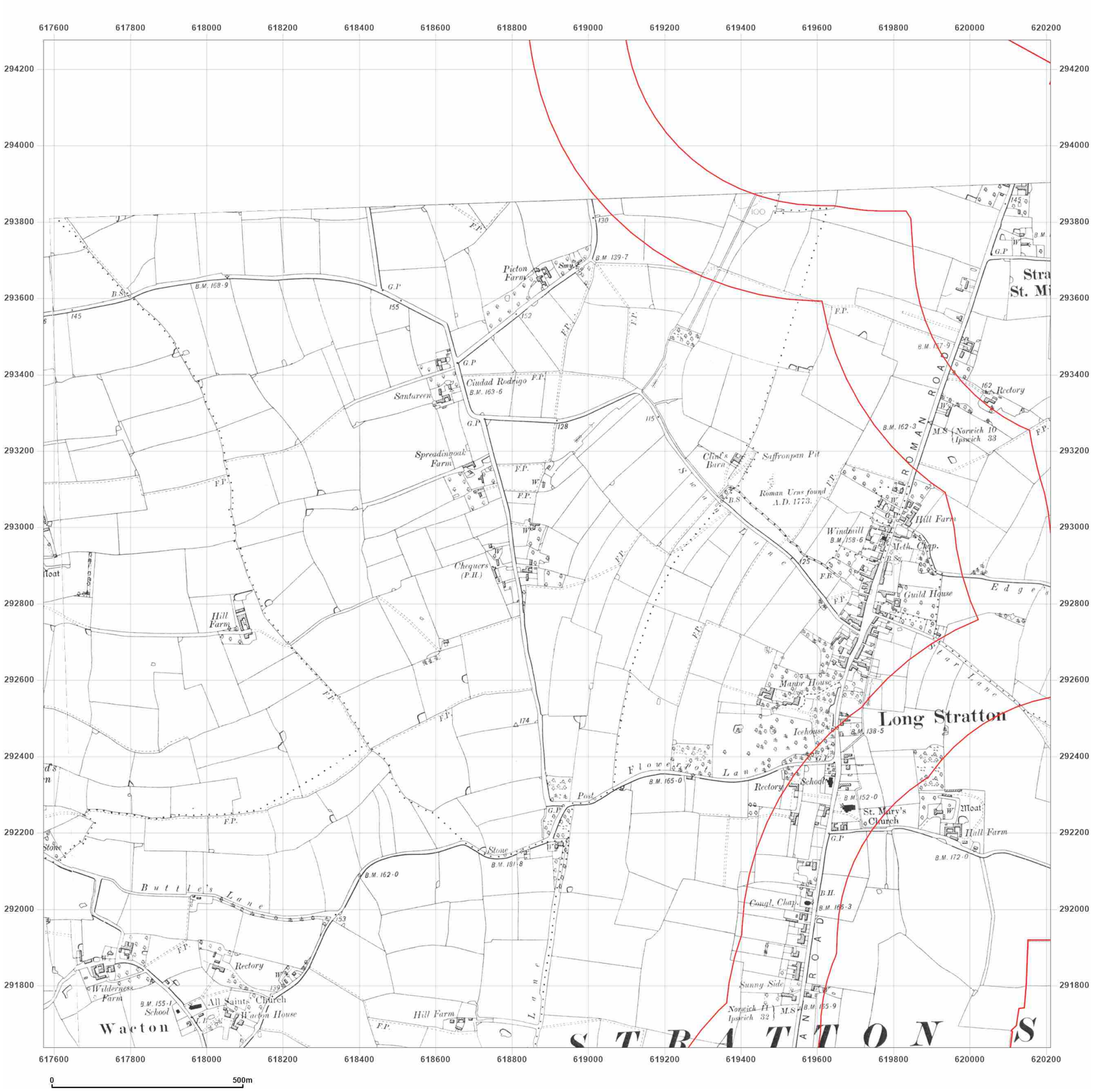

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
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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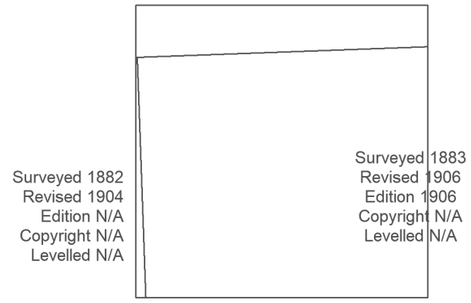

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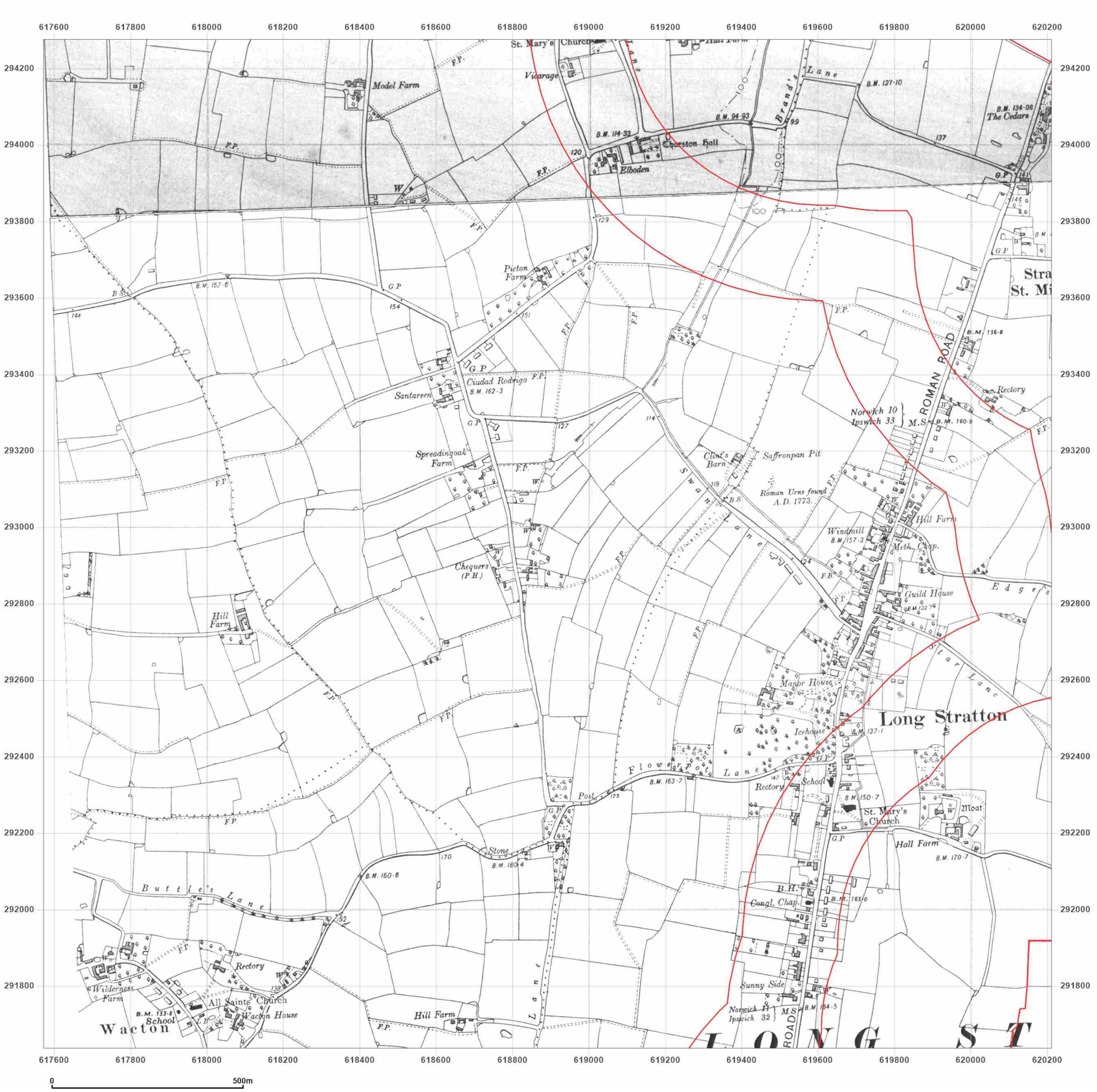

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_3
Grid Ref: 618891, 292956

Map Name: County Series

Map date: **1946**

Scale: 1:10,560

Printed at: 1:10,560

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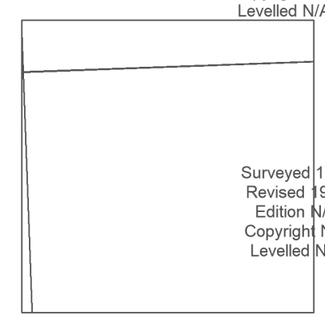

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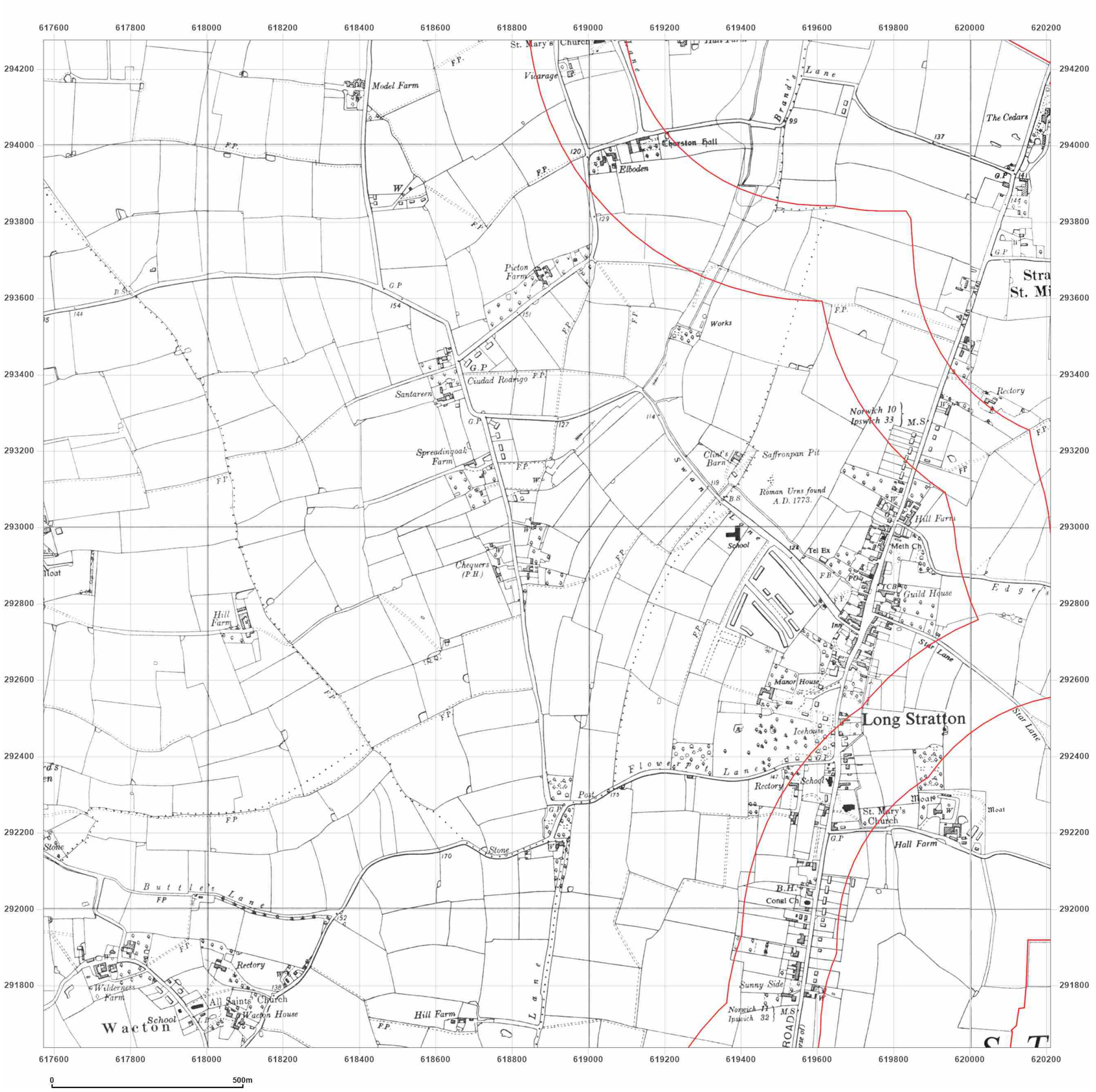

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_3
Grid Ref: 618891, 292956

Map Name: Provisional
Map date: **1951-1953**
Scale: 1:10,560
Printed at: 1:10,560

N
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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

Client Ref: East Pye Solar
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

N
W E
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Surveyed 1975
Revised 1979
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1976
Revised 1979
Edition N/A
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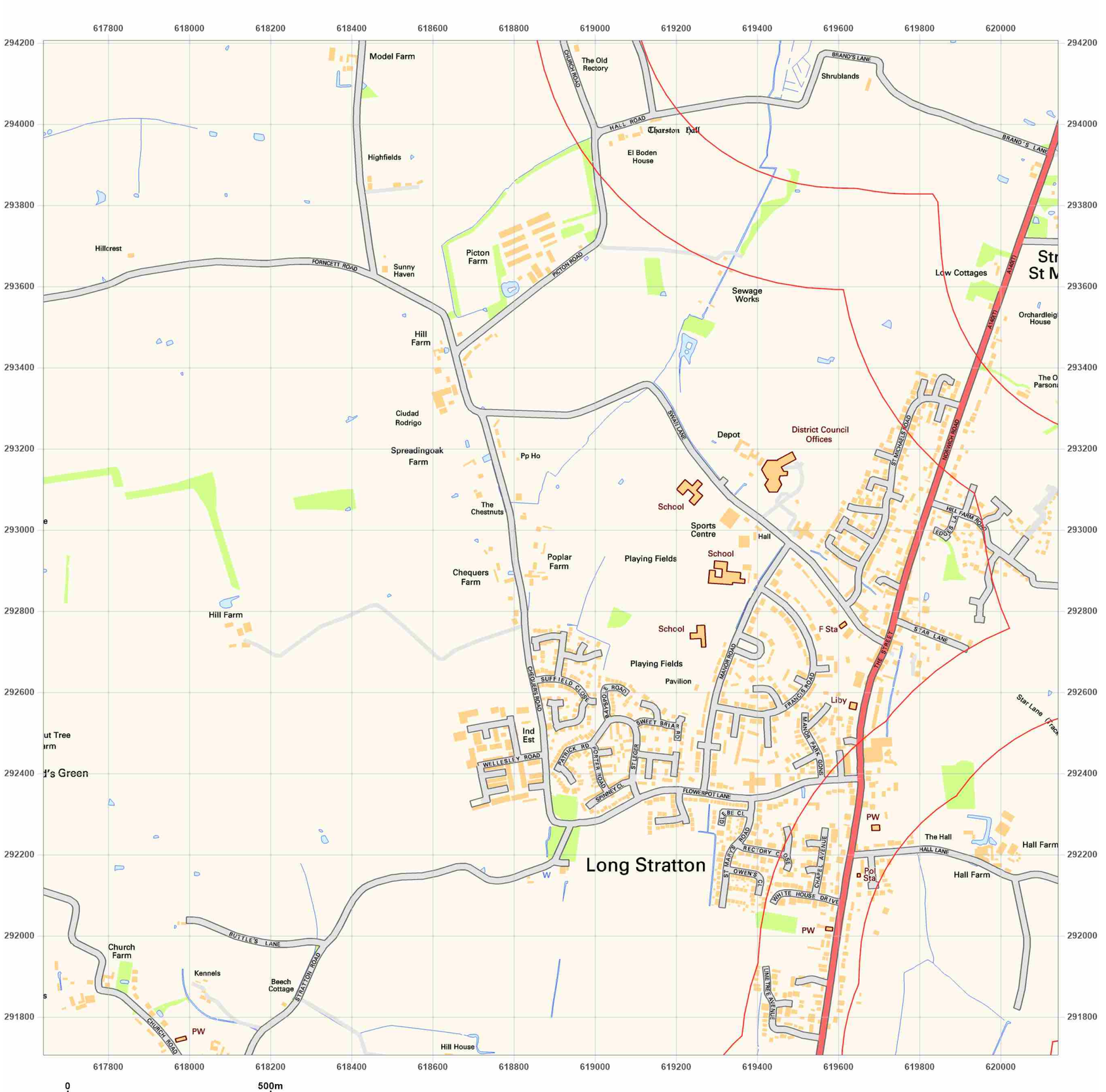

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_3
Grid Ref: 618891, 292956

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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2001

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Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_3
Grid Ref: 618891, 292956

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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2010

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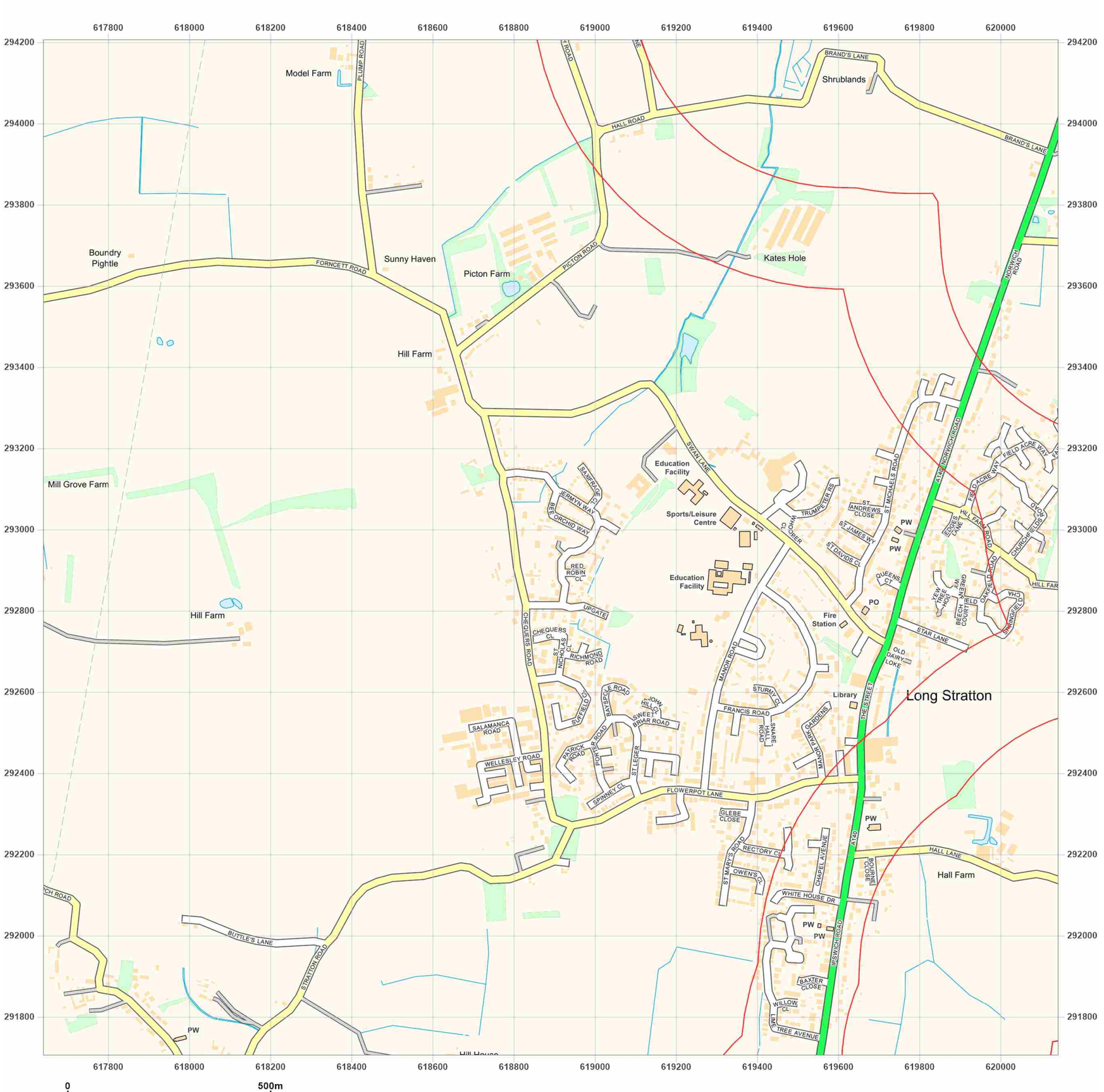

Groundsure INSIGHTS

Site Details:

Long Stratton

Client Ref: East Pye Solar
Report Ref: GSIP-2024-16319-20838_SS_2_3
Grid Ref: 618891, 292956

Map Name: National Grid

Map date: **2024**

Scale: 1:10,000

Printed at: 1:10,000

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Groundsure INSIGHTS

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: **1883**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1883
Revised 1883
Edition N/A
Copyright N/A
Levelled N/A

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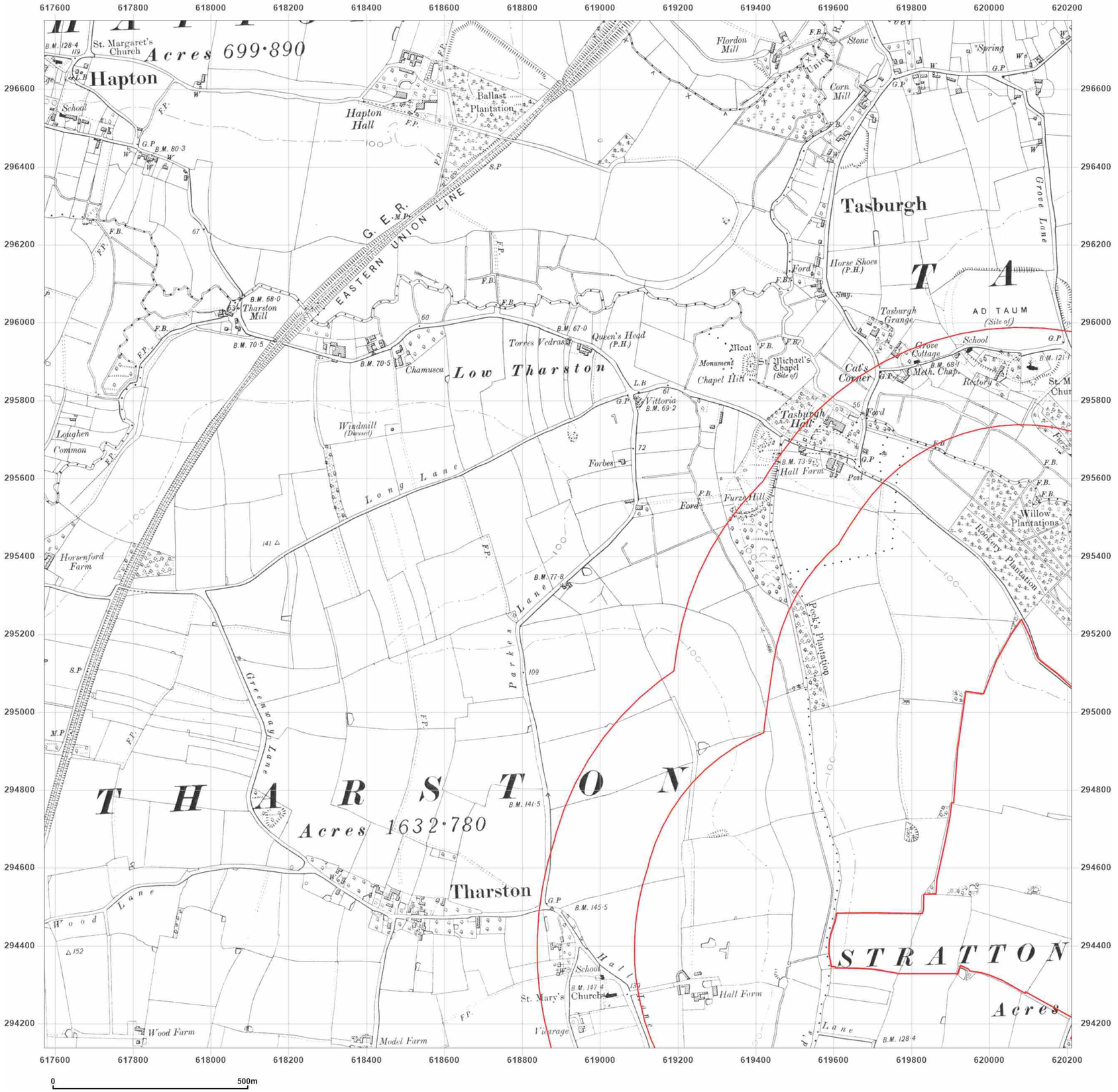

Groundsure INSIGHTS

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

N
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Surveyed 1881
Revised 1907
Edition 1907
Copyright N/A
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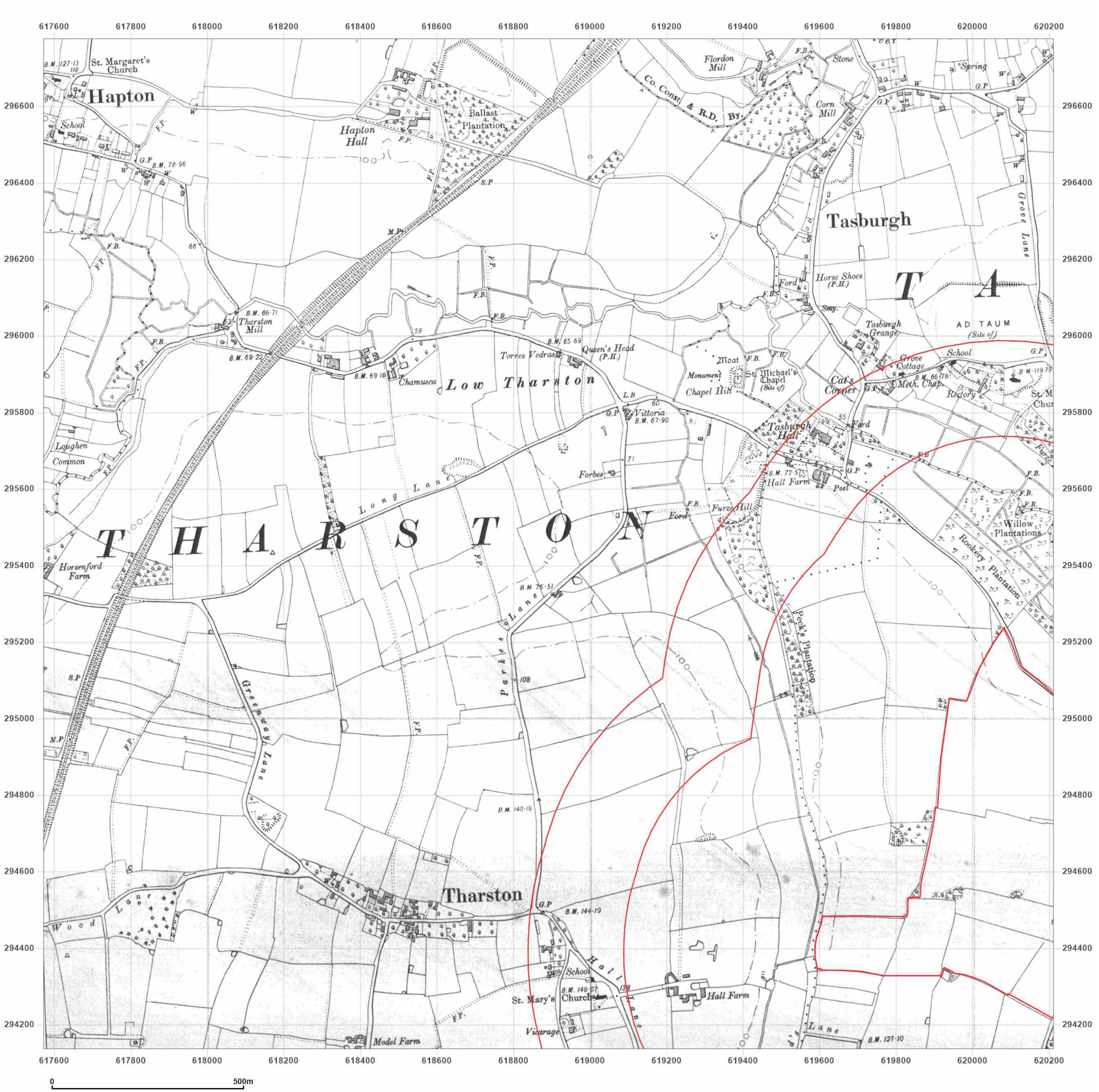

Groundsure INSIGHTS

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: **1946**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1881
Revised 1946
Edition N/A
Copyright N/A
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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: Provisional

Map date: **1951-1953**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1953
Revised 1953
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1951
Edition N/A
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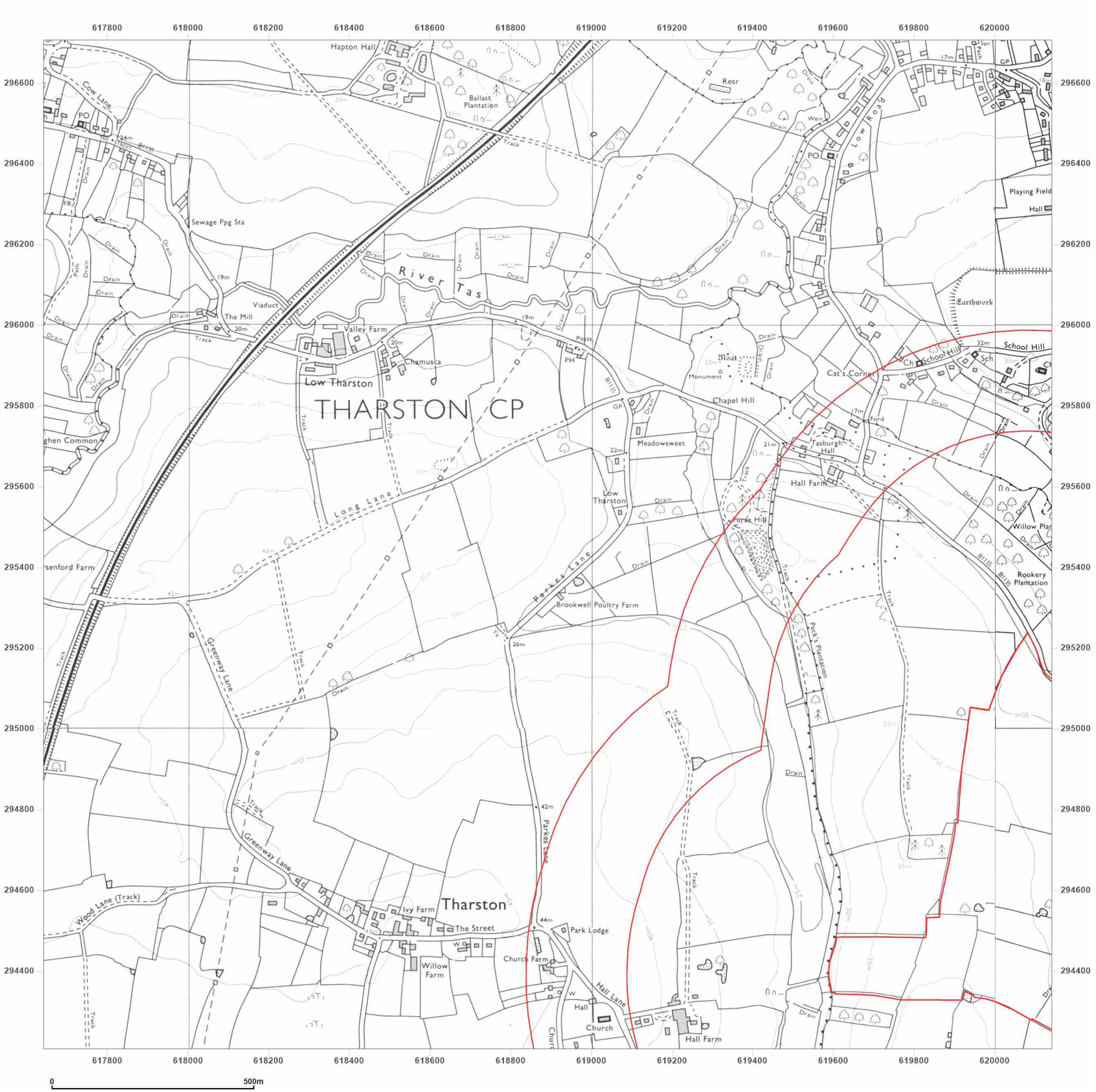

Groundsure INSIGHTS

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

N
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Surveyed 1973
Revised 1977
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1973
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
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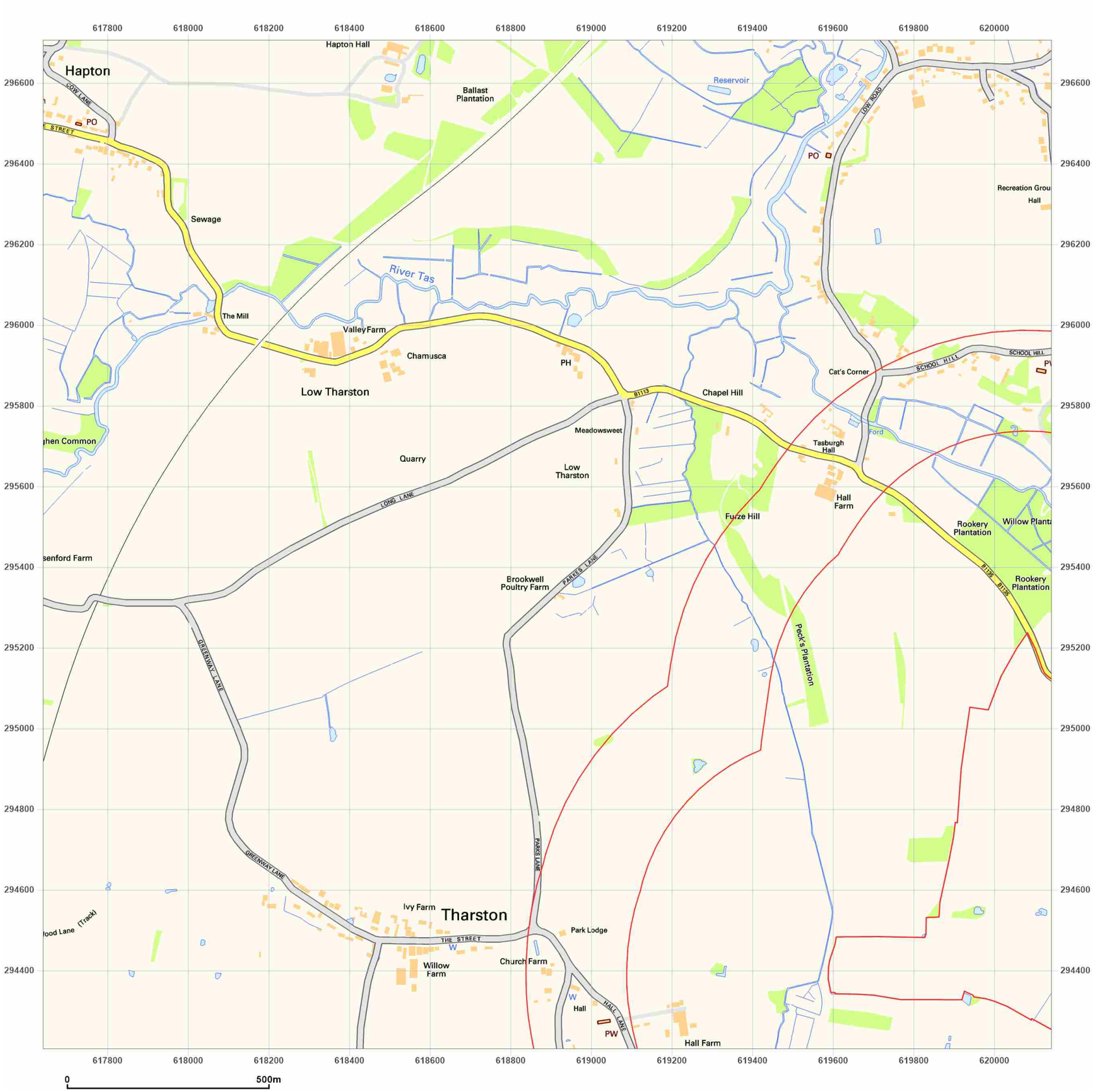

Groundsure INSIGHTS

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: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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2001

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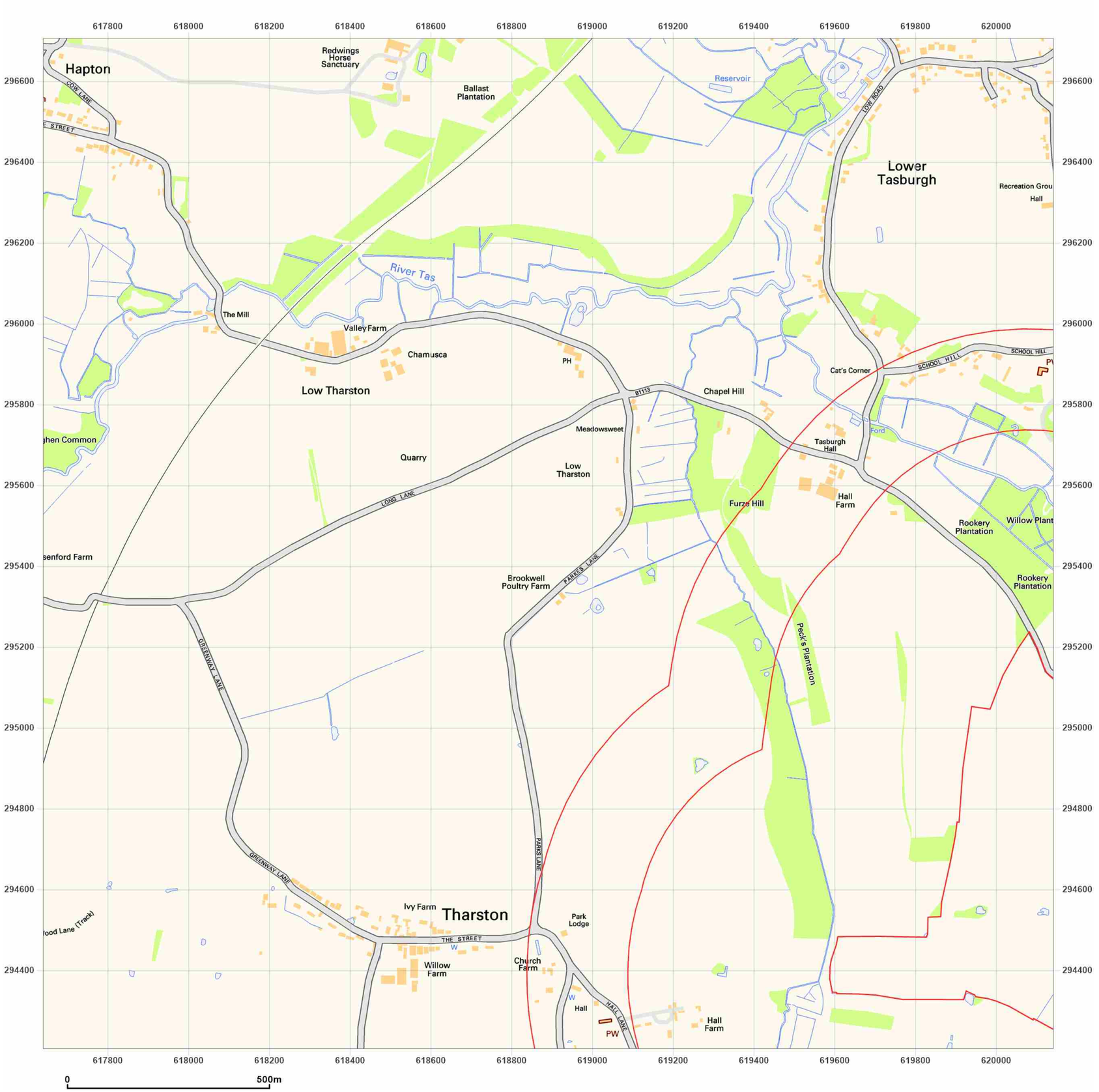

Groundsure INSIGHTS

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: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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2010

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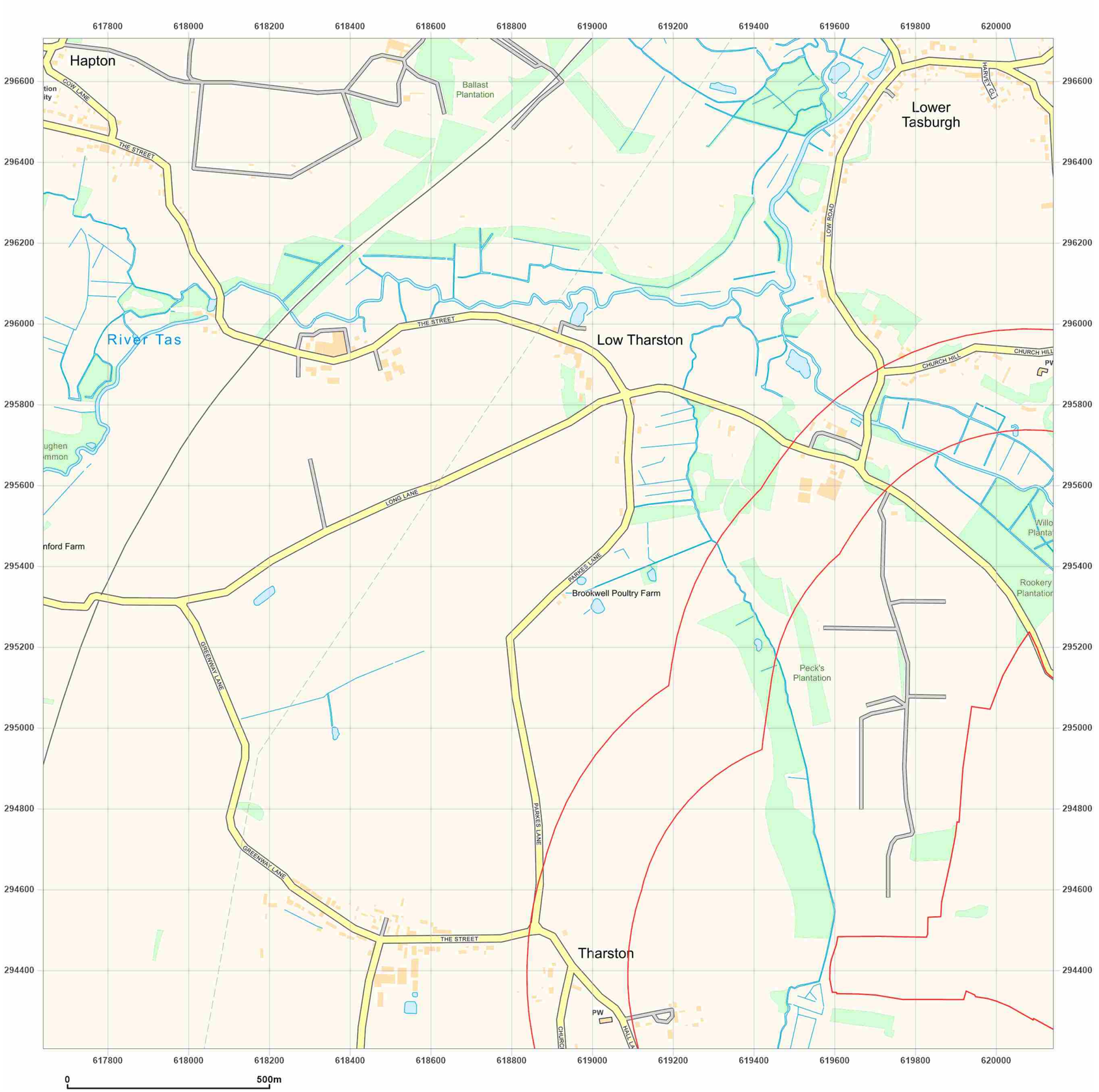

Groundsure INSIGHTS

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: **2024**

Scale: 1:10,000

Printed at: 1:10,000

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2024

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Groundsure INSIGHTS

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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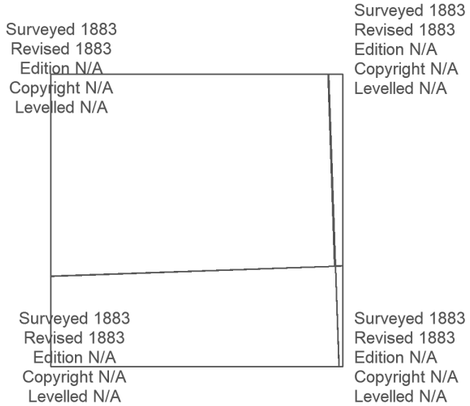

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