Stonestreet Green Solar

Environmental Statement
Volume 4: Appendices
Chapter 11: Land Contamination
Appendix 11.2: Phase 1 Geoenvironmental and Geotechnical Desk Study Part 1 of 5

PINS Ref: EN010135
Doc Ref. 5.4
Version 1
June 2024

APFP Regulation 5(2)(a)
Planning Act 2008
The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

CONTENTS

DRAWINGS

Drawing No	Title	Scale
142-02-01-pg1 to pg5	Illustrative Layout Plan (Sheets 1 to 5) **Illustrative Project Drawings - Not for Approval (Doc Ref. 2.6)**	2,000@A1

APPENDICES

Annex A Standard Terms and Conditions and Limitations to Report
Annex B Groundsure Environmental Search Data
Annex C Site Walkover Notes
Annex D Site Walkover Photographic Record
Annex E Zetica Unexploded Ordnance Desk Study and Risk Assessment
Annex F Local Authority Information
Annex G Risk Assessment Matrix

EXECUTIVE SUMMARY

Client	The Applicant is EPL 001 Limited.
Site	Land at Stonestreet Green
Current Land Use	The Site largely comprises agricultural land and pastureland. A substation is immediately adjacent to Field 25 and a small area comprising agricultural shed and grain silos which is currently being used for temporary farm waste storage is located immediately adjacent to the northeast corner of Field 1. The Cable Route Corridor area crosses the HS1 railway line to the existing National Grid Sellindge Substation.
Past Site Use	Historical land use includes agricultural fields and pastureland.
Proposals	The Project comprises the construction, operation, maintenance, and decommissioning of solar photovoltaic ('PV') arrays and energy storage, together with associated infrastructure and an underground cable connection to the existing National Grid Sellindge Substation. The Project will include a generating station (incorporating solar arrays) with a total capacity exceeding 50 megawatts ('MW'). The agreed grid connection for the Project will allow the export and import of up to 99.9 MW of electricity to the grid. The Project will connect to the existing National Grid Sellindge Substation via a new 132 kilovolt ('kV') substation constructed as part of the Project and cable connection under the Network Rail and High Speed 1 ('HS1') railway.
Geology	The Groundsure data does not identify any Made Ground on the Site. During the Site walkover, brick gravel was identified within the surface cover material of fields indicating that reworked natural material may underly the Site. BGS borehole records indicate that Made Ground could extend to 8m depth across the north-eastern and central parts of the Site. A band of superficial deposits associated with the East Stour River is present across Fields 19, 23, 24, 26-29, and the Cable Route Corridor area according to BGS mapping data. The bedrock stratum underlying the Site is shown to comprise mudstone of the Weald Clay Formation, interbedded sandstone of the Hythe Formation and sandy mudstone of the Atherfield Clay Formation.
Hydrogeology & Hydrology	The Alluvium superficial deposits are classified as a 'Secondary A' aquifer. Most of the bedrock beneath the Site is classified as an 'Unproductive' aquifer, relating to the Atherfield and Weald Clay Formations. Small areas within the centre, east and north-east of the Site have been classed as a 'Principal' aquifer relating to the Hythe Formation. The closest surface water body to the Site is the East Stour River which flows in an east to west direction within, and adjacent to, the northern part of the Site.
Mining & Quarrying	The Site does not lie within a coal mining area. There are records of potential non-coal mining activities on-Site, these pertain to small, localised underground mining of iron ore and sand.

Ecology and Heritage	Hatch Park, located approximately 1.8km north of the Site, is designated as a Site of Specific Scientific Interest ('SSSI'). It is the only SSSI within a 2km radius of the Site. There are also designated Ancient Woodland and Local Nature Reserve sites within 2km of the Site.
Geoenvironmental Risk	Preliminary assessment has identified potentially complete pollutant linkages comprising (but not limited to) the following list of organic and inorganic contaminants: Metals, sulphates, cyanides, petroleum hydrocarbons, chlorinated hydrocarbons, phenols, polychlorinated biphenyls ('PCBs'), polycyclic aromatic hydrocarbons ('PAHs'), pesticides, herbicides and asbestos. The desk study concludes that there is a very low to low-risk classification for potential contamination at the Site based upon the proposed development.
Asbestos	An asbestos survey has not been carried out. Due to the historical land usage at the Site and based on available information it is unlikely that asbestos is present on-Site. However, encountering asbestos containing materials at the Site should not be completely discounted until deemed otherwise.
Japanese Knotweed	Japanese knotweed was not observed during the walkover survey.
Geotechnical Constraints	Made Ground is normally unsuitable as a founding horizon and therefore ground improvement techniques may be required. Slag material was recorded within the BGS borehole records. Depending on foundation requirements, investigation into the shrink/swell potential and extent of material is recommended. There are small areas of land located within the centre and south-east of the Site which display a medium hazard rating for landslides.
Other Risks	The Zetica UXO Desk Study and Risk Assessment report indicates that no significant sources of Unexploded Ordnance ('UXO') hazard have been identified, with no records that the Site was bombed.
Recommendations for Further Works	Where delineation of risks associated with shallow soils are required, a detailed intrusive ground investigation is recommended. The ground investigation would facilitate the collection of data to support a detailed engineering/geotechnical and contaminated land assessment and any proposed remediation design.
Overall Environmental Risk for the Site	**Very Low to Low**

1 INTRODUCTION

Introduction

1.1 This Phase 1 Geoenvironmental and Geotechnical Desk Study has been prepared on behalf of EPL 001 Limited ('the Applicant') to support an assessment of the Site's suitability in relation to the Development Consent Order ('DCO') application for Stonestreet Green Solar ('the Project').

The Project

1.2 The Project comprises the construction, operation, maintenance, and decommissioning of solar photovoltaic ('PV') arrays and energy storage, together with associated infrastructure and an underground cable connection to the existing Sellindge Substation.

1.3 The Project will include a generating station (incorporating solar arrays) with a total capacity exceeding 50 megawatts ('MW'). The agreed grid connection for the Project will allow the export and import of up to 99.9 MW of electricity to the grid. The Project will connect to the existing National Grid Sellindge Substation via a new 132 kilovolt ('kV') substation constructed as part of the Project and cable connection under the Network Rail and High Speed 1 ('HS1') railway.

1.4 The location of the Project is shown on **ES Volume 3, Figure 1.1: Site Location Plan (Doc Ref. 5.3)**. The Project will be located within the Order limits (the land shown on the **Works Plans (Doc Ref. 2.3)** within which the Project can be carried out). The Order limits plan is provided as **ES Volume 3, Figure 1.2: Order Limits (Doc Ref. 5.3)**. Land within the Order limits is known as the 'Site'.

Instructions

1.5 Wardell Armstrong LLP ('WA') was commissioned by the Applicant to undertake a geo-environmental desk study in relation to the development of the Site.

1.6 The 'Standard Terms and Limitations' to this Report are presented in **Annex A**.

1.7 A draft of this report, dated April 2022, was provided as Appendix 2 to the EIA Scoping Report (**ES Volume 4, Appendix 1.1: EIA Scoping Report (Doc Ref. 5.4)**). This version of the report, dated May 2024, has been updated in line with the final Order limits and Works Plans and incorporates the extension of the Site to include the grid connection corridor. As such, following finalisation of the Order limits and Works Plans, updated Groundsure environmental and Zetica

UXO data were purchased to inform this report which represents the complete and final Phase 1 Desk Study for the Site.

Site Location

1.8 The Site is located to the north and west of the village of Aldington, Kent and is predominantly comprised of agricultural land and pastureland. Surrounding land use includes agricultural land in all directions. The HS1/Channel Tunnel Rail Link is located north of the majority of the Site, with the grid connection route crossing the HS1/Channel Tunnel Rail Link to link to the Sellindge Substation. Residential dwellings of Aldington are located predominantly to the south and east of the Site. Residential dwellings within the area of Stonestreet Green are located adjacent to the east of the Site. The Site comprises approximately 192 hectares of land. It is centred at an approximate National Grid Reference ('NGR') TR 05898 37766.

1.9 SiteTopographically, the Site is lowest at approximately 44m above Ordnance Datum ('AOD') within Field 19 and is highest at the Goldwell Lane Site entrance at approximately 76m AOD (see **ES Volume 3, Figures 8.3 and 8.4 (Doc Ref. 5.3**)).

Purpose and Basis of Report

1.10 The purpose of this report is to identify and examine in broad terms readily available information relating to the:

- Past and current uses of the Site and surrounding areas as well as the nature of any hazards and physical constraints.
- Environmental setting including geology, mining, hydrogeology, and hydrology.
- Current and likely future receptors, potential sources of contamination and likely pathways and any features of immediate concern, including those that could be introduced in the future as part of a preliminary conceptual model.
- Information for the preliminary risk assessment.
- Likely ground conditions beneath the Site, including soil/rock types, groundwater and potential geohazards.
- Potential contamination constraints and liabilities that may arise in connection with the present use or proposed use of the Site.

1.11 The report has been produced in general accordance with Environment Agency's ('EA') Land Contamination Risk Management ('LCRM')[1].

Limitations of Report

1.12 This report does not constitute or contain a valuation nor is it a full rigorous environmental audit or assessment of potential abnormal costs.

1.13 In this instance, this report is prepared as a geo-environmental desktop study which has been requested to inform decision making and risk management with regards to specific site constraints.

1.14 The opinions and findings of this report are given without the benefit of any physical site investigation, sampling and testing. A site walkover visit has been carried out.

2 DATA SOURCES

Data Sources

2.1 Our desk study research has been carried out in general accordance with current recognised guidance and with the procedures set out in the following documents:

- EA's LCRM entitled "How to assess and manage the risks from land contamination" dated October 2020[1].
- British Standard BS EN ISO 21365:2020 Soil quality - Conceptual site models for potentially contaminated sites[2].
- British Standard BS 5930:2015+A1:2020 - Code of practice for ground investigations[3].

2.2 The Desk Study report has been prepared following the examination of the following key information:

- Groundsure Insight reports (ref. GSIP-2023-13822-18396_B) dated 24th April 2024 prepared by Groundsure Limited (**Annex B**). The reports contain the following information:
  - Hydrological and hydrogeological conditions.
  - Ground Vulnerability Mapping.
  - Details of sensitive land use.
  - Published Ordnance Survey ('OS') map.
  - Registered landfill, waste transfer and waste treatment or disposal sites.
  - Pollution incidents relating to the air and controlled waters.
  - Discharge consents.
  - Licensed groundwater abstractions.
  - British Geological Survey ('BGS') recorded mineral sites.
  - Mining instability/hazards, including natural and mining cavities.
  - Ground instability hazard.
  - Radon affected areas.
  - Information provided by Ashford Borough Council ('ABC'), the Local Planning Authority.
- Zetica's UXO Desk Study and Risk Assessment Report, ref. P11544-22-R1 rev. D. Dated 25th January 2024 (**Annex E**).
- BGS mapping[4] and borehole records[5].
- Coal Authority Interactive Map Viewer[6].

- ABC Information (**Annex F**).
- Site walkover details.

3 SITE HISTORY AND PRESENT LAND USE

Site History

3.1 Historical maps (1:10,560 and 1:2,500 scale) have been assessed to identify previous land uses, including any significant potentially contaminative uses. Where other features that may have an effect on development of the Site have been identified, they are also described. The historical maps are presented in **Annex B**.

3.2 **Table 3.1** summarises the history of the Site over the period between 1871 to Present.

TABLE 3.1
SUMMARY OF HISTORICAL ON-SITE LAND USE

Date	Site Land Use
1871 – Present	South – the Site comprises agricultural fields for the entire time. There is an area of woodland located within the south-west and a road traverses the Site from the south-western boundary in a north-eastern direction. South-East – the south-eastern fields comprise agricultural land for the entire time. West – the west of the Site comprises agricultural land for the entire time. Woodland labelled as 'Coopers Wood' and 'Broadoak Wood' are present from 1871-1982. A road traverses the Site from the north-east in a south-east direction, this is later labelled as 'Bank Road' from 1975. A second road extends from Bank Road and continues south for the entire time. A cottage is present within the north-east from 1871 and is situated on the junction between the two roads on-Site for the entire time. East – The east of the Site comprises agricultural land for the entire time. North – this area comprises agricultural fields. The East Stour River is located within the north-eastern fields and traverses the Site in an east-west direction. A road is located within the north-eastern fields

TABLE 3.1 SUMMARY OF HISTORICAL ON-SITE LAND USE	
Date	**Site Land Use**
	for the entire time. From 1975 to 2022, an electricity substation and track are located within the north-east. Grid Connection – this area comprises predominantly agricultural fields. The Cable Route Corridor area cuts through an area previously labelled as Sellindge Woods between 1871 and 1957. The Cable Route Corridor area runs parallel to the East Stour River that is present immediately adjacent to the northern Site.

3.3 **Table 3.2** summarises the history of the immediate vicinity of the Site (within 250m of the Site) over the period 1871 to Present.

TABLE 3.2 SUMMARY OF HISTORICAL OFF-SITE LAND USE		
Surrounding Site Use/Features	**Dates**	**Location**
Agricultural land	1871-present	Surrounding land in all directions.
Roadways	1871-present	Two roadways are shown to traverse the south-western part of the Site, heading in a north-south direction. Two roadways traverse the land to the west of the Site. The main road spans in a north-east/south-west direction and the second road spans from the main road in a north-west/south-east direction. A roadway traverses the north-western part of the Site in an east/west direction. A single roadway is shown to traverse the Cable Route Corridor area from 1872, labelled in 1971 as Church Lane.
Residential buildings	1871-present	Buildings are located approximately 50m and 250m south-west of the Site. Stables are present, connected to the residential buildings from 1972 (250m south-west of the Site). From 1939, additional residential buildings and gardens are visible, approximately 250m to the south-west of the Site. There are buildings located approximately 100m west of the Site from 1871. Additional residential buildings are evident from 1972 onwards and are located approximately 150m to 250m west of the Site. Residential buildings are located immediately north-west and 50m east of the Site, from 1871-present. From 1871-present, there are residential and farm buildings located immediately east of the Site, and 250m to the south and west of the south-eastern part of the Site. No residential buildings were identified across the Cable Route Corridor area.

Ponds	1871-1971	Two ponds are located approximately 250m south-west of the Site in 1871, along with a further four ponds up to 100m to the south-west of the Site. A seventh pond appears approximately 100m south-west of the Site in 1907. By 1972, only one of the seven ponds are evident, located 250m south-west of the Site. A pond is located 120m to the west of the Site in 1871, and a further two ponds appear 100m to 150m to the west of the Site, as shown on the 1898 version of the map. By 1972, only two ponds of the three ponds are present to the west of the Site. A pond is located approximately 100m east of the Site from 1993.
Kennels	1972-present	Boarding kennels are present approximately 50m south-west of the Site.
Sheepfold	1871-1939.	A sheepfold is located immediately south-west of the Site from 1871-1907. A sheepfold is located approximately 200m north-west of the Site from 1871-1939. Another sheepfold is located immediately north of the Site from 1871 and is labelled as 'sheep wash' from 1907-1939. A second sheepfold is recorded immediately north of the Site from 1972. A sheepfold is also located immediately west of the south-eastern part of the boundary from 1871-1898, and immediately north of the south-eastern part of the boundary from 1871- 1939.
Railway Line	1871-present	There is evidence of a railway line located immediately north of the north-eastern part and Cable Route Corridor area of the Site running along the boundary in an east-west direction from c.1872. Originally labelled as Electric Telegraph, and later labelled as South-Eastern Railway line then Channel Tunnel Rail Link from c. 2010.

Woodland	1871-present	Park Wood is located approximately 100m north of the north-eastern part of the Site. Backhouse Wood is located immediately south of the north-eastern part of the Site. Sellindge Woods were present across part of the Cable Route Corridor area and extend to the northwest and south from c.1871 until 1957. Partridge Plantation was present approximately 200m south of the Cable Route Corridor area from c.1872 until present day.
Sewage treatment works and associated infrastructure	1971-present	The Sellindge sewage treatment works including tanks, drying beds and filter beds are located approximately 100m north on the opposite side of the railway line from the Cable Route Corridor area of the Site from c.1973 to present day
Industrial Land	1985-present	Industrial land, including Sellindge Converter Station, tanks, industrial buildings and associated infrastructure are located immediately north of the HS1 & Southeastern Main Line railway line, which is adjacent to the north of the Site. An Electricity Switching Station is present within approximately 75m at the eastern extent of the Cable Route Corridor area between c.1973 and c.2001
Lake	1993-present	Lakes are located approximately 25m west of the north-eastern part of the Site, 100m north of the north-eastern part of the Site, and approximately 250m east of the Site.
School	1871-present	A school is located approximately 250m to the south of the south-eastern part of the Site from 1871-present day.
Limekiln and Quarry	1871-1975	A limekiln (1871), which is labelled on the maps as a ‘quarry’ from 1896 and later as a ‘disused quarry’ from 1975, is located approximately 250m to the south-east of the Site. Handen Quarry is located immediately south of the Site from 1939- 1975 (now disused).

3.4 Beyond 250m from the Site, historical land use is typically associated with agricultural activity, as well as residential developments and farm buildings.

Present Site Use

3.5 A site walkover survey was carried out between 29th November and 1st December 2021 across the main site and a walkover survey for the Cable Route Corridor area carried out on 4th January 2023. The key findings of the site walkover are summarised below. The site walkover findings are presented in full within **Annex C**, along with a collation of photographs presented within **Annex D**. All photos can be made available on request.

3.6 Drawing 142-02-01 displays the field boundaries within the Site.

3.7 The Site consists of predominantly agricultural land or pastureland, with grazing occurring across the Site. A substation lies immediately adjacent to Field 25. In addition to pastureland, land immediately adjacent to the northeast corner of Field 1 contains a large agricultural shed, four smaller shed and two grain silos.

3.8 A strip of hardstanding covers the north-east of Field 26. It can be assumed that all fields contain reworked natural Made Ground due to the presence of brick material on the surface and shallow subsurface. The soil on the surface generally displayed a sandy gravelly clay texture.

3.9 Most of the fields within the Site are bound by hedges and trees, except the southern areas of Fields 1 and 19, which are open.

3.10 Areas of woodland were noted within the north of Field 7 and within the east of Field 14.

3.11 Manholes were observed within the north of Field 24, which displayed water utilities. Manholes were also present within the north-east of Field 19.

3.12 Overhead electricity cables traverse many of the fields within the north, east and centre of the main Site, as well as traversing most of the fields comprising the Cable Route Corridor area.

3.13 Hazards observed on-Site included potential for utilities crossing the Site within the north and centre. There is potential for hazardous substances (agricultural chemicals) to be stored across the buildings located on the land immediately adjacent to the northeastern corner of Field 1.

3.14 Surrounding land use includes agricultural land and pastureland in all directions. The HS1/ Channel Tunnel Rail Link is located to the north of the boundary of Field 26 and 27, and a fishing pond is located to the west of Field 19. A farm area including farm buildings storage, tractors, caravans, and residential buildings lies to the east of Fields 23, 24, 17 and 9. Residential

buildings and horse stables are located to the south of Field 8. A waste fire was noted to the north of Field 19.

3.15 A supplementary site walkover survey was carried out between 29th February and 1st March 2024 across all accessible areas of the Site in order to verify the findings of the previous site walkover surveys. No significant changes to observable ground conditions, or previously undocumented, potentially contaminative processes were identified.

4 GEOLOGICAL AND HYDROGEOLOGICAL SETTING

Geology

4.1 The assessment of the geology of the Site is based on BGS mapping viewer[4] (England and Wales Sheet Folkestone 305 and 306) and BGS GeoIndex[5] online, Groundsure data, and geological information obtained as part of the site walkover. A summary of significant geological information is provided below in **Table 4.1.**

TABLE 4.1
SUMMARY OF GEOLOGICAL INFORMATION

Strata	Description
Made Ground	The Groundsure data does not identify Made Ground to be present on-Site. During the site walkover, brick gravel was identified within the surface cover material of fields indicating that reworked natural material may underly the Site.
Superficial Deposits	A band of superficial deposits associated with the East Stour River and immediate tributaries is present running east-west across Fields 19, 23, 24, 26-29, and the Cable Route Corridor area. The superficial deposits are identified as Alluvium and described as "*Clay, Silt, Sand and Gravel*". The remainder of the Site is not recorded as being underlain by superficial deposits.
Bedrock Strata	There are three bedrock lithologies located on-Site, which are as follows: • Hythe Formation – "Fine- to medium-grained, sparsely glauconitic sands, sandstones and silts, locally pebbly, with calcareous or siliceous cement in beds or lenses". Located across Fields 9, 10, 20 and part of Fields 25 and 29. • Atherfield Clay Formation – sandy mudstone. Thin bands located across and partially cover Fields 4-6, 8-13, 20, 22, 25, 26 and 29. • Weald Clay Formation – "Dark grey thinly-bedded mudstones (shales) and mudstones with subordinate siltstones, fine- to medium-grained sandstones, including calcareous sandstone and shelly limestones". Present across the majority of the Site covering Fields 1-4, 7, 8, 10-19, 21-29 and the Cable Route Corridor area.

TABLE 4.1 SUMMARY OF GEOLOGICAL INFORMATION	
Strata	**Description**
Landslip Deposits	The Groundsure data includes BGS 1:50,000 scale landslip mapping records which identified an area approximately 1.36ha in size located on-site adjacent to Handen Farm classified as Landslide Deposits. The BGS record described the deposits as comprising clay, silt and sand. The area designated as Landslide Deposits is located outside of mapped Superficial Deposits areas and stretches across areas identified as Atherfield Clay and Weald Clay Formations.
Linear Features	There are no linear features on-Site or within 250m of the Site.
Borehole Records	There is a total of 123no. borehole records located within 250m Site (predominantly along the northern site boundary associated with the HS1/ Channel Tunnel Rail Link, or within the Cable Route Corridor area relating to the existing Sellindge Converter Station). Of the 123no. borehole records, a total of 29no records are listed as confidential, with the remaining 94no. available records comprising 74no. records pertaining to exploratory holes less than 10m in depth and 20no. records pertaining to exploratory holes between 10m and 30m in depth. In general, the borehole records described the encountered lithologies as follows: • Made Ground: Grey green to yellow brown slight sandy slightly gravelly CLAY. Gravel is fine to coarse, angular to sub-angular flint, iron nodules, limestone and sandstone. The standard penetration test ('SPT') values for the Made Ground ranged between 6 and 8. The Made Ground deposits were recorded up to 8m in thickness. • Alluvium: Soft to firm grey green to orange brown laminated silty CLAY. Rare to occasional organic matter. The SPT values for the Alluvium ranged between 5 and 21. The Alluvium deposits were recorded up to 1.5m thick. • Hythe Formation: Firm to stiff yellow brown mottles orange slightly sandy CLAY, and Medium dense yellow brown

TABLE 4.1 SUMMARY OF GEOLOGICAL INFORMATION	
Strata	**Description**
	clayey fine SAND with occasional white calcareous lenses. The SPT values for the Hythe Formation ranged between 10 and 19. • Atherfield Clay Formation: Stiff fissured grey CLAY with a little sand and occasional gravel of lithorelics. The SPT values for the Hythe Formation ranged between 21 and 32. • Weald Clay Formation: Firm to stiff blue grey to brown fissured CLAY with occasional lamination/lenses of silt and sand. The SPT values for the Weald Clay Formation ranged between 16 and 50. A total of 2no. borehole records are identified within the Site located to the south of the HS1/Channel Tunnel Rail Link; these records are as follows: TR03NE/128 (id. TP9742). Location: 608509, 138046) • 0.00-0.30mbgl: Topsoil, • 0.30-1.50mbgl: Firm brown sandy SILT (Alluvium), • 1.50-1.80mbgl: Loose brown silty sandy GRAVEL (Alluvium), • 1.80-4.00mbgl: Stiff fissured dark grey CLAY (Weald Clay, Grade IIa). TR03NE/141 (id. DS6304). Location 607360, 138210) • 0.00-0.70mbgl: Dark grey slightly gravelly SAND (Made Ground), • 0.70-5.85mbgl: Stiff yellow-brown mottled blue sandy CLAY. (Made Ground), • 5.85-7.50mbgl: Stuff blue grey mottled brown CLAY (Made Ground), • 7.50-8.00mbgl: Yellow-brown mottled blue clayey SAND (Made Ground), • 8.00-8.25mbgl: Firm to stiff yellow brown slightly sandy CLAY (Made Ground), • 8.25-8.50mbgl Stiff blue grey slightly silty CLAY (Weald Clay – Grade II).

Hydrogeology

4.2 The band of Alluvium superficial deposits running east-west across Fields 19, 23, 24, 26-29, and the Cable Route Corridor area is classed as a 'Secondary A' aquifer. These are defined as permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classed as minor aquifers.

4.3 The permeability of the Alluvium deposits has been classified as very low to high intergranular flow. The groundwaters stored within the Alluvium deposits are considered to be of medium vulnerability according to the BGS.

4.4 The Weald Clay and Atherfield Clay Formations which form the majority of the bedrock beneath the Site are classed as unproductive. These are defined rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

4.5 The permeability of the Weald Clay and Atherfield Clay Formations is classified by the BGS as very low to low flow through fractures. Due to their low productivity, the groundwaters stored within the Weald Clay and Atherfield Clay Formation aquifers have not been designated a vulnerability.

4.6 The Hythe Formation bedrock underlying Fields 9, 10, 20 and part of Fields 25 and 29 has been classed as a 'Principal' aquifer. Principal aquifers consist of 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.

4.7 The permeability of the Hythe Formation is classified by the BGS as high with intergranular and fracture flow. The vulnerability of the groundwater within the Hythe Formation principal aquifer has been classed as medium to high by the BGS.

4.8 There are no source protection zones located across the Site or within 250m.

4.9 The Site is situated within an area covered by a groundwater body managed by the Water Framework Directive ('WFD') [7]. The groundwater body is known as the Kent Greensand Eastern (ref. GB40701G501400). As part of the 2019 WFD assessment cycle, the Kent Greensand Eastern groundwater body was classified as Poor Overall rating, with a Poor Chemical and Ecological rating.

4.10 There are no groundwater abstraction records located on-Site. However, there are 4no. records of historical groundwater abstractions within 2km of the Site. The first two records are duplicated and relate to an abstraction point located 122m north of the Site. The remaining two are located 168m north and 203m north of the Site, respectively. All 4no. licenses pertain to a historical license used for dust suppression located along three points at an unlined pond at Sellindge. The start date is detailed as June 2000 and expiry as October 2000. The company name has been labelled as Balfour Beatty Ltd for all licenses.

4.11 There are no surface water abstractions or potable abstraction zones located on-Site or within 2km.

Hydrology

Surface Water Features

4.12 There are 173no. Water Networks (OS MasterMap) recorded within 250m of the Site. A total of 58no. of these recorded networks pertain to water courses located within the Site and are described as inland rivers not influenced by normal tidal action, and a single record of “lake, loch or reservoir”.

4.13 The closest surface water body to the Site is the East Stour River, which traverses the northern boundary of the Site and crosses the north-eastern fields of the Site.

4.14 During the walkover surveys, several surface water features were identified including the East Stour River located along the northern boundary of Field 19 and through Field 25 to 29 and along the Cable Route Corridor. Additionally, un-named, minor watercourses were identified as follows:

- Present along the northern boundary of Field 3 and 7;
- Present along the southern boundary of Field 19; and
- Present between Field 20, 21 and 22.

4.15 There are 2no. water body catchments managed under the WFD located within the Site. The relevant surface water body catchment has been identified as Romney Marsh (between Appledore and West Hythe) (ref. GB107040019700), and East Stour (ref. GB107040019640). The 2019 WFD classification for the two catchments are as follows:

- Romney Marsh, biological classification: moderate; chemical classification: fail; and overall classification: moderate, and

- East Stour River, biological classification: moderate; chemical classification: fail; and overall classification: moderate.

4.16 There is one record of WFD surface water bodies identified on-Site, pertaining to the East Stour River (ref. GB107040019640). As part of the 2019 WFD assessment cycle, the East Stour River was classified as a moderate overall rating, with a failure chemical rating and moderate biological rating.

Flooding

4.17 The EA maintain national flood maps based on ground levels, predicted flood levels, information on flood defences and local knowledge. The flood maps show the predicted likelihood of flooding in an area in the context of current and also proposed land use considered in development planning.

4.18 All flooding information can be found within the Groundsure data (**Annex B**).

4.19 The EA flood zone[8] data presented in the Groundsure report (**Annex B**) indicates that north and north-eastern fields (Fields 16, 19, 23-29, and the Cable Route Corridor area) are located within Flood Zone 2 and 3. The remainder of the Site is located within Flood Zone 1.

4.20 Further detail of the flooding regime for the Site is provided in **ES Volume 2, Chapter 10: Water Environment (Doc Ref. 5.2)**.

5 MINING AND QUARRYING

General

5.1 Research of the mining setting at the Site is based on examination of published topographical and geological information.

Coal Authority Information

5.2 Information available on the Coal Authority website (Interactive Map Viewer) indicates that the Site does not lie within a Coal Mining Area.

Natural Cavities

5.3 There are no records of natural cavities located on-Site. However, there is 1no. record located 139m south of the Site. This record pertains to gullies/fissures due to cambering.

Surface Workings

5.4 A review of Groundsure's Historical Land Use Database has identified 68no. historical surface ground working features across or within 250m of the Site. It should be noted that some Groundsure records (**Annex B**) are duplicates and therefore are only noted once in this report. These include:

- Pond & Water Body (on-Site).
- Pond & Water Body to North East of site around Sellindge Converter Station.
- Unspecified ground workings (on-Site).
- Cuttings (on-Site).
- Disused Quarry, south of the Application Site east and west of Aldington.
- Unspecified Heap, south of Application Site at Bank Farm.
- Sewage Treatment Works, west of the Application Site at Sellindge Converter Station.

Underground Workings

5.5 There are no records of underground workings on-Site or within the vicinity of the Site.

Non-Coal Mining

5.6 There are 16no. records of non-coal mining activities located across and within 250m of the Site. A total of 3no. records pertain to potential localised small-scale underground mining of iron ore that cover the majority of the Site and appear to be related to the mapped extent of the Weald Clay Formation. The remaining 9no. records relate to the sporadic underground mining for limited extents of sand which appear to be related to the mapped extent of the Hythe Formation.

5.7 There are no records of coal mining, brine mining, clay mining, tin mining, or gypsum areas within 250m of the Site.

5.8 Records of non-coal mining activities on-Site and within 250m can be found within **Annex B**.

Brit Pits

5.9 BritPits[9] is a database of currently active or closed surface and underground workings maintained by the BGS.

5.10 There are no records of Brit Pits on-Site. However, there are 5no. records within 250m of the Site. All three records pertain to surface mineral working of limestone within Aldington and are located between 78m and 352m south of the Site. All records display a ceased status.

Historical Mineral Planning Areas

5.11 The Groundsure data identified a record of an area with historical mineral planning. The record pertains to the following:

- Handon Quarry, located off-site to the south of Handen Farm, and a valid planning application, granted on the 28th November 1973, for the surface mineral working of limestone.

6 ENVIRONMENTAL DATA AND CONSULTATIONS

6.1 The historical potentially contaminative industrial land uses are briefly reviewed within **Section 3** of this report. Based on a review of the Groundsure Report, the following environmental information and consultations have been noted.

Contaminated Land Register Entries and Notices

6.2 The Groundsure data (**Annex B**) identifies 13no. historical industrial activities on-Site and 87no. within 250m of the Site. These include the following:

- Sellindge Converter station, 1988 (on-site).
- Railway sidings and Cuttings relating to the HS1-Channel Link railway line, 1871-1974 (on-site).
- Unspecified heap, 1954 (on-site).
- Unspecified ground workings, 1906-1940 (on-site).
- Electric substation, 1974-1988 (on-site).
- Railway station (8m north, 12m north and 37m north of the Site, respectively).
- Unspecified disused quarry/ quarry (3m north-west, 43m south-east, 43m south-east, 43m north-west, 59m north-west, 76m-80m south, 204m-205m north, 235m south of the Site, respectively).
- Sewage treatment works (13m east of the Site, located east of Sellindge Converter Station).
- Mill and Unspecified mill (77m and 175m west of the Site, located at Evegate Mill).
- Cornmill (82m west of the Site, located at Evegate Mill).
- Fire station (90m south and 191m southwest of the Site, within the village of Aldington).
- Unspecified tanks (100-140m -east of the Site, located east of Sellindge Converter Station).
- Filter beds (42-115m east of the Site, located east of Sellindge Converter Station).
- Smithy/Forge (195m south-west of the Site, located in the village of Aldington).

6.3 There are 2no. records of historical energy features located on-Site, which are duplicated, and relate to the electrical sub-station located immediately adjacent to the Application Site towards the northern boundary, located near to Evegate Mill.

6.4 There are 18no. records of historical tanks within 250m of the Site. A total of 13no. records are located 35m to 136m to the east of the Site and related to the Sellindge Converter Station and the Sellindge Sewage Treatment Works.

6.5 There are no records of historical petrol stations, garages, or military land across or within 250m of the Site.

6.6 Table 6.1 below outlines records of recent industrial land use across or within 250m of the Site.

TABLE 6.1
RECORDS OF RECENT INDUSTRIAL LAND USE.

Activity and Category	Company and location
Infrastructure and facilities: • Electrical features. • Waste storage, processing, and disposal • Telecommunications features.	An electrical Pylon line (12no. records) runs across the Site towards the Cable Route Corridor area of the Site. Sewage pumping station – located in Field 18. Electricity Sub Station – 16m south-east of the Site. Sewage treatment works – 73m east of the Site. Slurry tank – 109m east of the Site. Mast (telecommunications) 70m north of the Site.
Contract Services: • Agricultural Contractors	J&J Services – 16m southeast of the Site.
Transport, storage, and delivery: • Railway companies and information.	Resource rail – 18m south-east of the Site.
Foodstuffs: • Fish, meat, and poultry products	J Wanstall Sons – 9m southwest of the Site.

Engineering Services: • Industrial Engineers	P M Engineering Kent Ltd – 9m southwest of the Site.
Industrial Features: • Water pumping stations • Tanks (generic) • Unspecified works of factories • Energy production	Pumping station – located within the north-east of the central part of the Site. Tank (14no. records) – located 36m-140m east of the Site, as part of the Sellindge Sewage Treatment Works. Partridge farm- solar photovoltaics– 138m east of the Site. Pumping station – 205m south of the Site.
Central and Local Government: • Fire brigade stations	Aldington fire station – 208m east of the Site.

6.7 The Groundsure data identified a total of 7no. pollutant incidents, as recorded by the EA, within 250m of the Site, detailing 6no. unique pollution incidents dated from 2001. The incidents are as follows:

- 9m southeast of Field 17, located south of Stonestreet Green, dated 20th November 2002. The incident related to the release of pesticides and biocides resulting in Category 2 (Significant Impact) to Water and Category 4 (No Impact) to Air and Land.
- 12m southwest of Field 9, located at Bank Farm, dated 17th September 2002. The incident related to the release of atmospheric pollutants resulting in the Category 3 (Minor Impact) to Air, and Category 4 (No Impact) to land and water.
- 52m north of Field 19, dated 12th August 2002. The incident related to the release other crude sewage resulting in Category 3 (Minor Impact) to land and water, and a Category 4 (No Impact) to air.
- 86m east of Field 24, dated 21st August 2001. The incident relates to an “other pollutant” resulting in Category 4 (No Impact) to air, land and water.
- 117m east of the Cable Route Corridor area, dated 27th July 2023. The incident relates to release of contaminated water that resulted in a Category1 (Major) impact to water, Category 3 (Low Impact) to Land and Category 4 (No Impact) to Air.

- 152m southeast, of Field 17, located north of Aldington, dated 25th September 2002. The incident related to the release of inert materials and waste resulting in Category 3 (Low Impact) to Land and Category 4 (No Impact) to Air and water.

6.8 The Groundsure data identified one record of List 2 Dangerous Substances according to the EA, the details of this records are as follows:

- 16m east of the Site, Sellindge Converter Station. Substance: pH, Receiving Water: None, Active.

6.9 The Groundsure data identified a total of 24no. records of licensed discharges as recorded by the EA, within 250m of the Site, detailing 5no. unique licensed discharges which are as follows:

- Onsite-30m east of the Site, held by Sellindge Sewage Treatment Works. Permit number: A00533, related to the discharge of Sewage to the East Stour River. The discharge consent is active and was first issued in June 1985.
- 16m east of the Site, held by Sellindge Converter Station. Permit number: P04849, related to the trade discharge into the East Stour River. The discharge consent is no longer active.
- 16m east of the Site, east of Sellindge Converter Station. Permit: W02035 held by CEGB Converter Station, related to the trade discharge into a “Freshwater River”. This discharge station is no longer active.
- 69-193m north of the Site, west of Sellindge Converter Station. Permit number: P07808, held by Balfour Beatty, related to the trade discharge into “Freshwater River”. This discharge consent is no longer active.
- 243m west of the Application Site, held by Red Barn Farm. Permit number: EPRGB3498RT, related to the discharge of sewage into the Ditch Trib of Marshland Sewer. The discharge consent is active and was first issued in August 2017.

6.10 There are no Control of Major Accident Hazards (‘COMAH’), gas pipelines, sites determined as contaminated land or regulated explosive sites across or within 250m of the Site.

6.11 There are no historical licensed industrial activities, licensed industrial activities (Part A(1) or Part A (2)/B), licensed pollutant release licences, or pollutant inventory records either across or within 250m of the Site.

6.12 There is no hazardous substance storage/usage recorded across or within 250m of the Site.

6.13 There are no radioactive substance authorisations either across or within 250m of the Site.

6.14 Across or within 250m of the Site, there are no records for licensed industrial activities (Part A (1) or Part A (2)/B).

6.15 There are no records for List 1 Dangerous Substances across or within 250m of the Site.

Waste Management

6.16 There are no records of active or recent waste landfill sites held by the EA across or within a 250m radius from the Site. There are also no records of historical landfill sites identified from the Local Authority across or within a 250m radius from the Site.

6.17 The Groundsure data identifies one record of a BGS historical landfill, which is located 144m west of the Site, located north of Aldington, and pertains to an Aldington Quarry.

6.18 The Groundsure data identified 3no. records of historical landfills, based on the EA records, within 250m of the Site. The records pertain to the following:

- Clap Hill Landfill (ref. AS30). Located on the boundary of Field 12, south of Handen Farm. Licence holder: Mr Lee-Eard. The landfill accepted Inert, Commercial, and Household wastes, and last accepted waste in December 1974.
- Aldington Quarry (AS5). Located 46m west, north of Aldington village. Licence holder: Ashford Rural District Council. The landfill accepted Inert, and Household wastes, and last accepted waste in December 1974.
- Howarth Mill Lane Landfill (ref. AS17). Located 59m south of Field 8, at Aldington Frith. The landfill accepted Inert, and Commercial wastes. There is no information pertaining license holder and waste acceptance dates.

6.19 There is one record of a historical waste site located 16m of Field 24 at Woodleas Farm. The historical waste site has been described as a waste transfer depot (ref. 11/00276/AS).

6.20 There are 4no. licensed waste sites within 250m of the Site, and are as follows:

- Three duplicated records are associated with Woodleas Farm, licence no. BUT028 and ref. EA/EPR/AB3500UG/A001 & EA/EPR/WE8476AA/A001, operated by R H Butler Limited and Woodleas Farm Ltd. The site is located 60-72m east of Field 24 and pertain to a Household, Commercial and Industrial ('HCI'I) waste transfer station dealing with 25,000 - >=75,000 tonnes of waste per annum.
- The fourth record is associated with a site located 83m east of the Cable Route Corridor area, Sellindge Waste Waterworks operated by Southern Water Services Limited (licence no. SOU013 and ref. EA/EPR/PP3794HH/A001) and is outlined as a biological treatment facility managing up to 25,000 tonnes of waste per annum.

6.21 There are 179no. waste exemptions within 250m of the Site, with 24no. records located across the Site, relating to 3no. exemptions. The 3no. on-site waste exemptions have been outlined as follows:

- EPR/VF0738RU/A001 Bank Farm TN25 7DF. Exemption permits the burning of waste, treatment of waste food, treatment of waste in biobed or biofilter, spreading waste on agricultural land to confer benefit, physical treatment of oil and fat to produce biodiesel, use of depolluted end of life vehicles for vehicle parts, pig and poultry ash, deposit of waste from dredging inland waters, storage of waste in a secure container or place, cleaning, washing, spraying or coating relevant waste, preparatory treatments, use of waste in construction, recovery of scrap material, incorporation of ash into soil, burning of waste as a fuel in small appliance, use of waste derived biodiesel as fuel, use of waste for a specified purpose, storage of sludge and use of mulch.
- WEX216477, east of Evegate Mill. Exemption permits the spreading of waste on non-agricultural land to confer benefit.
- WEX373685, north of Field 25. Exemption permits the disposing of waste from dredging of inland waters.

Radon

6.22 The BRE 'Guidance on Protective Measures for New Dwellings' (BR 211)[10] has been consulted to review the geological radon potential of the Site.

6.23 The relevant radon data collated within the Groundsure data estimates that the majority of the Site is situated in an area within which the percentage of dwellings exceeding the Radon Action Level is less than 1%, associated with the Weald Clay Formation. However, the Groundsure data indicates that areas of the Site which are underlain by the Hythe Formation according to BGS mapping are situated within an area which the percentage of dwellings exceeding the Radon Action Level is between 1% and 3%. Subsequently, the BRE guidance document indicates that no radon protective measures are required for any new buildings or structures.

Designated Environmentally Sensitive Sites

6.24 There is one record of a designated Site of Special Scientific Interest within 2km of the Site, Hatch Park which is located approximately 1.8km to the north of the Site.

6.25 There are 46no. records of Designated Ancient Woodland located within 2km of the Site. There are 2no. records within 250m of the Site which are described as ancient, replanted woodland, being Backhouse Wood LWS and Handen Wood.

6.26 Within 2km of the Site, there is one site associated with a Local Nature Reserve designation, being Poulton Wood LNR.

6.27 There are no other environmental designations (such as Ramsar sites, Special Areas of Conservation, green belts etc.) within 250m of the Site. The Groundsure data does not include records of Local Wildlife Sites as part of its data.

Japanese Knotweed, Himalayan Balsam and Giant Hogweed

6.28 Many foreign plants were introduced to Britain in the 19th Century, mainly for ornamental reasons. A few have become aggressively dominant, creating serious problems in some areas. The Wildlife and Countryside Act 1981 states that it is an offence to '*plant or otherwise cause to grow in the wild*' any plant listed in Schedule nine, Part II of the Act. This lists over 30 plants, including the terrestrial plants, Japanese knotweed and giant hogweed. Their spread is primarily the result of human activities, which aid their dispersal along linear corridors such as railway tracks, rivers, and road verges. By forming dense stands, invasive species can displace native species and reduce wildlife interest.

6.29 During the site walkover, Japanese knotweed, Himalayan Balsam and Giant hogweed were not identified across the Site. However, it should be noted that the ground conditions survey was not undertaken in relation to ecological aspects or invasive species.

Environmental Management

6.30 Generally, the Site comprises agricultural land and pastureland, which are well maintained.

Asbestos

6.31 The Health and Safety at Work etc Act 1974[11] requires that Employers provide safe places of work for their employees. The Control of Asbestos Regulations 2012[12] place specific duties on those who commission and carry out work on asbestos containing materials.

6.32 Construction work that is likely to involve exposure of workers to hazards associated with potential asbestos associated with the Made Ground will be subject to the Construction (Design and Management) Regulations 2015[13] which impose duties upon Clients, Designers and the Contractors carrying out the work.

6.33 Other health and safety and welfare regulations place duties on Employers to undertake risk assessments and prepare hazard management plans which, in the case of a building likely to contain asbestos, could involve the commissioning of surveys, hazardous materials location registers and proposals for remedial work.

6.34 Due to the historical land usage at the Site and based on available information it is unlikely that asbestos is present on-Site. However, encountering asbestos containing materials at the Site should not be completely discounted at this stage.

Archaeology

6.35 Based on the Groundsure data, no scheduled ancient monuments and no significant archaeological features have been identified on-Site.

6.36 It should be noted that this report does not constitute an archaeological desk-based assessment.

Unexploded Ordnance ('UXO')

6.37 UXO specialist Zetica has carried out an UXO Desk Study and Assessment of the Site (**Annex E**) and the following is a summary of the report.

6.38 Zetica identified no records have been found indicating the Site was bombed and no other significant sources of UXO hazard have been identified on the Site. As such, Zetica consider the Site to have a low UXO hazard level.

6.39 No records of bombing or military activity on the Site during World War One ('WWI') have been found.

6.40 During World War Two ('WWII'), the main strategic targets in the vicinity of the Site included military airfields, transport infrastructure and public utilities, and engineering works.

6.41 Zetica indicated no records have been found indicating that the Site was bombed during WWII. Records indicate that the nearest High Explosive ('HE') bomb fell on the railway line near Smeeth Station, approximately 30m north of the Site on 19th April 1944.

6.42 The Zetica report identified a record of 1no. Vergeltungswaffe-1 ("V1") missile landing on-Site and a further 7no. records of V1 missiles within 500m of the Site, these records are as follows:

- On-Site, field south of Smeeth Station, 3rd August 1944.
- 10m west of the Site, Goldwell Lane, 30th June 1944.
- 10m west, Goldwell Lane, 4th August 1944.
- 20m east of the Site, fields off Calleywell Lane, 3rd August 1944.
- 500m north of the Site, railway line south of Smeeth Station, 11th July 1944.
- 500m east of the Site, fields off Church Land, 19th July 1944.
- 500m northwest of the Site, fields at Little Stonegreen Farm, 23rd July 1944.
- 500m south of the Site, fields off Roman Road, 31st August 1944.

6.43 No records of military activity across the Site post-WWII have been found.

Local Authority Information

6.44 ABC has been consulted for information on potentially contaminative sites on-Site and within the vicinity of the Site.

6.45 ABC has identified a site of contamination on-Site and off-Site associated with the electricity production and transformers relating to the high-speed line immediately north of the Site. The contaminated land located on-Site relates to the position of the electricity sub-station adjacent to Field 25.

6.46 Within the vicinity of the Site, ABC has identified former sand/gravel quarries, a lime kiln, Council depot and landfills. The Clap Hill quarry is a registered landfill that has been developed for landfill. The Ragstone Hollow quarry has been infilled for the development of housing. However, the infill material is unknown. Aldington Quarry was investigated by ABC, who concluded that no further action was required under Part 11A.

6.47 ABC have provided a phase 1 desk study report carried out by Soiltec for the land located approximately 350m south-east of the Site. The overall environmental risk associated with the land has been classed as very low to moderate. The desk study outlined the presence of a quarry and sand/gravel pit at the Site until at least 1907. The quarry accepted inert, household and commercial waste. From the late 1930s, the Site was utilised as allotment gardens until 1970, from when it was shown as an undeveloped site.

6.48 ABC do not hold any records of UXO/Unexploded Bomb ('UXB') or groundwater abstractions across or within 250m of the Site.

6.49 Local Authority Records can be found within **Annex F**.

7 PRELIMINARY CONCEPTUAL SITE MODEL

Methodology

7.1 On 8th October 2020, the EA published 'Land Contamination Risk Management' ('LCRM'), which replaced 'Model Procedures for the Management of Land Contamination' ('CLR11')[14].

7.2 The guidance is intended for all those responsible for managing land that is subject to contamination, not just land that falls under the contaminated land regime under Part IIA of the Environmental Protection Act 1990[15].

7.3 The LCRM approach includes the production of a Conceptual Site Model ('CSM') depicting the environmental processes that occur on and in the vicinity of the Site and identifying the potential contaminant linkages. The assessment of the significance of these contaminant linkages can then be carried out through the risk assessment process.

7.4 The production of a preliminary CSM and the assessment of the associated risk is based upon the desk-based identification of the possible sources of contamination ("the sources"), the identification of who or what may be affected by the contaminants ("the receptors") and the possible pathways by which contaminants may migrate to one or more of the receptors ("the pathways").

7.5 The results of the desk study and site walkover have been used to identify the potential sources, pathways and receptors that exist on the Site.

Potential Sources of Contamination

On-Site

7.6 Current land use that could provide potential sources of contamination comprise the potential use of pesticides/herbicides; and biological contaminants related to the agricultural or pastural nature of the Site, as well as the potential spillage and leakage of fuels and oils from farm plant and machinery. The site walkover identified the reworked natural ground and Made Ground materials present at the surface across the fields.

7.7 The historical OS mapping indicates that the Site has always been used as agricultural and pastural land. The historical and present use of the Site as agricultural and pastoral land presents a potential source of contamination from leaks and spill from fuels and oils, agricultural & pastoral chemicals, and animal waste & burials. The Groundsure data also identified an EA record for a historic landfill on-Site at Clap Hill, Aldington (ref. AS30) operated by Ashford Rural

District Council which accepted inert, commercial, and household waste, with a last recorded date of 31/12/1974. The historical landfill could present a source of contamination from heavy metals, polyaromatic hydrocarbons ('PAHs'), hydrocarbons, asbestos and inorganics.

7.8 The reworked natural ground and Made Ground materials are anticipated to underlie the Site with the BGS borehole record indicating 8m thickness of Made Ground materials. The Made Ground is of unknown origin, though is known to contain brick material and likely to at least partially consist of demolition rubble. Potential contaminants associated with the Made Ground materials are heavy metals, PAHs, hydrocarbons, asbestos and asbestos containing materials may be present. The potential Made Ground may also be a source of ground gas generation.

7.9 It should be noted the extent of the Made Ground has not been defined and could potentially cover a larger (or smaller) area than currently anticipated.

Off-Site

7.10 The walkover identified areas of waste and storage tanks on land immediately adjacent to the northeastern corner of Field 1 which could present a source of contamination from heavy metals, PAHs, total hydrocarbons and asbestos. However, any contamination present across the Site is not anticipated to be significant.

7.11 The HS1/ Channel Tunnel Rail Link railway line and South Eastern Main Line, between Ashford and Westenhanger, together with associated sidings is noted to traverse land immediately north of the Site and therefore there is a risk of contamination associated with the current use of the railway land. Contaminants of concern include herbicides, metals, inorganics (such as sulphate), asbestos, hydrocarbons, PAHs, and chlorinated hydrocarbons.

7.12 The substation located immediately adjacent to Field 25 since approximately 1974 presents a potential source of contamination including polychlorinated biphenyls and mineral oils.

7.13 The presence of agricultural land in the surrounding area, as well as the historical farm buildings, presents the potential for contamination including nitrates, organophosphates, insecticides, and asbestos.

7.14 The Groundsure data identified records of historical landfills located approximately 36m northwest and 64m south of the Site, respectively, which

present a risk of contamination from landfill gas generation, heavy metals, PAHs, hydrocarbons, and asbestos.

7.15 Two historical waste sites were located 72m east and 147m northeast of the Site, respectively. These features present the potential for contamination from heavy metals, PAHs, hydrocarbons, and asbestos.

7.16 There is one record of a converter station located 149m north of the Site. This feature may present a source of contamination from PCBs and mineral oils.

7.17 A sewage pumping station is present 129m to the east of the Site. Potential contaminants include heavy metals, cyanide, nitrate, sulphate, asbestos, acids, hydrocarbons, chlorinated hydrocarbons, and PCBs.

7.18 The presence of potentially infilled ponds (approximately 100m south-west and 120m west of the Site, respectively), presents a source of contamination and the potential for ground gas generation. Potential contaminants could include heavy metals, asbestos, and hydrocarbons.

7.19 Two historical quarries are shown to be to the south and south-east of the Site, respectively, which could present a potential source of contamination from heavy metals, asbestos, PCBs, hydrocarbons, and inorganics.

7.20 Industrial land lies approximately 100m to the north-east of the Site which could provide a potential source of heavy metals, asbestos, PCBs, hydrocarbons, and inorganics. However, any contamination present off-Site is not anticipated to be significant.

7.21 The potential sources of contamination are summarised below.

On-Site contaminants associated with:

- Agricultural and pastural land use.
- Historical landfill (Clap Hill).
- Made Ground.

Off-Site (within 250m) contaminants associated with:

- Storage of waste material.
- Tanks with unknown liquids
- Electrical sub-station.
- Historical landfills and waste sites.

- Railway sidings.
- Agricultural and pastural land use in adjacent fields.
- Sewage pumping station.
- Infilled ponds.
- Industrial land.
- Historical quarries.

Potential Receptors

7.22 Based on the desk study research, the following potential receptors for contamination have been identified:

- Humans – Current and future users of the Site.
- Humans – Construction workers.
- Controlled Waters - Surface Waters (East Stour River and on-Site streams and land drains).
- Controlled Waters – Groundwaters. 'Secondary A' aquifer within Alluvium deposits towards the northern part of the Site and 'Principal' aquifer of the Hythe Formation underlying various sections of the Site. Most of the Site is underlain by an 'Unproductive' aquifer.
- Built Environment – PV Panels and Project infrastructure.
- Ecosystem – Local flora and fauna.

Identification of Pathways

Pathways to Humans

7.23 There are various routes by which any contaminant present within the soils or groundwater beneath the Site may pose a direct risk to humans, either during construction work or the subsequent operational and decommissioning phases. These pathways include:

- Direct ingestion of soils.
- Dermal contact with soil.
- Dermal contact with groundwater in excavations.
- Inhalation or ingestion of dust.

- Contact through the eye.
- Ingestion of water.
- Inhalation of vapours and/or gases.

Pathways to Built Environment

7.24 There is a potential for the Made Ground, natural geology and/or groundwater containing substances aggressive to concrete to come into direct contact with service pipes / conduits, buried concrete and associated infrastructure.

7.25 Ground gas generation from Made Ground and from nearby historic landfills and waste sites is a possibility at the Site. These ground gases have the potential to migrate directly from and through permeable material including Made Ground and permeable Superficial Deposits to accumulate in buildings. Should buildings (or any structure where gas can accumulate) be considered as part of any development proposal at the Site (without an appropriate level of mitigation measures), this level of risk will need to be re-assessed.

Pathways to Controlled Waters

7.26 The nearest surface water body is the East Stour River which flows from west to east along the northern boundary across the central portion of the Site and flows through the centre of the north-eastern portion of the Site. Contaminants may be transported to the surface water bodies by shallow groundwater in hydraulic continuity, or via surface run-off.

7.27 Any contaminants present within Made Ground/shallow soils may be in direct contact with the limited Superficial Deposits across the northern portion of the Site. These Superficial Deposits are classified as ‘Secondary A’. Various parts of the Site are underlain by the Hythe Formation which is classified as a principal bedrock aquifer. The majority of the bedrock geology underlying the Site (Atherfield Clay and Weald Clay Formations) are classified as unproductive bedrock aquifers. Based on the potentially permeable nature of the Made Ground and the Superficial Deposits, the primary mechanism for the movement of any contaminants within the Made Ground into the Hythe Formation bedrock aquifer will be through the leaching of the soil, dissolution into groundwater and/or groundwater movement.

7.28 Groundwater at the Site has the potential to migrate to the bedrock (Hythe Formation) through the Superficial Deposits and/or where Made Ground potentially lies directly over the bedrock.

7.29 However, the site walkover identified a strip of hardstanding covers the north-east of Field 26. Infiltration pathway from surface to below ground horizons is likely to be limited within this area.

Pathways to Local Flora and Fauna

7.30 Areas of woodland and vegetation were noted within the north-east, east, and south of the Site. Along with this, dense vegetation lined most field boundaries. Consideration of risks posed to any flora (from phytotoxic compounds), or fauna (direct contact including ingestion of flora) may be required if observed in future.

8 QUALITATIVE ENVIRONMENTAL RISK ASSESSMENT

Introduction

8.1 In line with the EA's guidance (LCRM), plausible source, pathway and receptor linkages have been identified through the CSM. The information gathered in the preliminary CSM detailed in Section 7 can now be used to produce an initial Qualitative Risk Assessment ('QRA').

8.2 LCRM outlines that for each tier of Risk Assessment the following steps must be taken:

i) Identify the hazard - establish contaminant sources.

ii) Assess the hazard - use a source-pathway-receptor (S-P-R) contaminant linkage approach to find out if there is the potential for unacceptable risk.

iii) Estimate the risk - predict what degree of harm or pollution might result and how likely it is to occur by using the tiered approach to risk assessment.

iv) Evaluate the risk - decide whether a risk is unacceptable.

8.3 LCRM states that the assessment must be based on the potential severity that the risk poses to the receptors against the likelihood of it happening. Subsequently, it is necessary to employ a risk assessment matrix, the CIRIA document Contaminated Land Risk Assessment – a guide to good practice C552(2001)[16] provides a good example of a suitable risk assessment matrices.

8.4 The CIRIA document defines 'Consequence of Risk', 'Probability of Risk Being Realised' and 'Risk Classification Definitions'. These definitions are provided in **Annex G**.

8.5 From the combination of the information collated within this report thus far, an initial qualitative assessment of the potential geo-environmental risk is provided in **Table 8.1**. Where indicated, these risks may need to be considered for any future redevelopment of the land other than what has been proposed.

8.6 In order to put the on-Site assessment of contamination into full context, the contaminative impact of the present site use is assessed. This assessment is in relation to potential contaminant migration and general environmental setting of the surrounding area.

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
Human Health				
<u>On-Site Sources:</u> • **Agricultural land** • **Made Ground** • **Historical landfill**	• Dermal contact with outdoor dust. • Inhalation of fugitive soil dust. • Inhalation of vapours outside.	**Human health -** Current and Future Site Users	Consequence: Minor Probability: Low Likelihood **Risk: Very Low**	There is limited potential for contamination of ground conditions associated with current and historical site use. Contamination from hydrocarbons, and agrochemicals potentially poses hazard. Based on the S-P-R model, it is considered that there is a low likelihood that current and future site users may encounter the contaminants. Soil sample collection and testing as part of the proposed ground investigation works will identify any hotspots of contamination prior to development. Due to the proposed end use, comprising ground-mounted solar PV arrays and on-Site energy storage, together with associated infrastructure and an underground cable connection to the existing National Grid Substation at Sellindge, future users are unlikely to spend prolonged periods of time on-Site

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
				and/or directly interacting with potentially contaminated ground associated with the former agricultural use, therefore limited risks are currently associated with the Site.
		Human health – Construction workers	Consequence: Minor Probability: Likely **Risk: Low**	Due to the nature of the development and anticipated ground works to be undertaken, it is considered that construction workers will have a higher likelihood of encountering potential contamination through excavations etc. It is expected that all groundworks undertaken during the construction of the development will be progressed under appropriately assessed risk assessments and method statements, which will stipulate workers be provided with PPE. Therefore, the anticipated consequence to construction workers is considered a minor. Furthermore, the proposed Project at the Site is unlikely to require considerable excavation works. Soil sample collection and testing as part of the proposed ground investigation

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
				works will identify any hotspots of contamination prior to development.
<u>On-Site Sources:</u> • **Agricultural land** • **Made Ground** • **Historical landfill**	• Ingestion of soil. • Dermal contact with soil. • Dermal contact with outdoor dust. • Inhalation of fugitive soil dust.	**Human health -** Current and Future Site Users	Consequence: Minor Probability: Low Likelihood **Risk: Very Low**	There is potential for contamination associated with Made Ground material at the Site. The Made Ground is of unknown origin; however, it is likely to be reworked natural material. Based on this, there are limited amounts of contamination to be expected on-Site. Due to the nature of the proposed Project, there is a low likelihood that site users will encounter contaminated soil. Soil sample collection and testing as part of the proposed ground investigation works will identify any hotspots of contamination prior to development.

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
		Human health – Construction workers	Consequence: Minor Probability: Likely **Risk: Low**	Construction workers will likely encounter recorded contamination via excavation works etc. However, workers will likely be provided with PPE and therefore the consequence is considered a minor risk. Furthermore, the proposed Project at the Site is unlikely to require considerable excavation works. Soil sample collection and testing as part of the proposed ground investigation works will identify any hotspots of contamination prior to development.
<u>Off-Site Sources:</u> • **Electrical substation** • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland** • **Sewage pumping sewage**	• Dermal contact with outdoor dust. • Inhalation of fugitive soil dust. • Inhalation of vapours outside.	**Human health -** Current and Future Site Users	Consequence: Mild Probability: Low Likelihood **Risk: Low**	The off-Site sources of contamination are located beyond the Site, where excavation is not anticipated. Therefore, physical exposure to contaminants and direct exposure is considered to be low. Off-Site contamination migration may possibly occur through the permeable Superficial Deposits or through soils in contact with contaminated groundwater

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
• **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**		**Human health** – Construction workers	Consequence: Minor Probability: Low Likelihood **Risk: Very Low**	and dust. This is likely to be very limited due to the lack of Superficial Deposits on-Site and surrounding the Site. Transportation of fugitive soil dust and vapours should be considered, but this is assessed as being a very unlikely occurrence. Due to the distance from the Site, the contaminant media and the most likely pathways, transmission of the contaminants to the Site is likely to be limited.
Ecosystem				
<u>On-Site Sources:</u> • **Agricultural land** • **Made Ground** • **Historical landfill** **<u>Off-Site Sources:</u>** • **Electrical substation** • **Historical landfill and waste sites** • **Railway sidings**	<u>On-Site</u> • Direct uptake from soil. • Plant uptake. <u>Off-Site</u> • Direct uptake from soil. Including airborne transmission then uptake	**Flora and Fauna** (on-Site) **Flora and Fauna** (off-Site)	Consequence: Minor Probability: Unlikely **Risk: Very Low** Consequence: Mild Probability: Low Likelihood	Due to current and historical land use, the risk to flora and fauna has been classed as very low to low as there is no significant source of contamination. The potential impact to flora and fauna should be considered during future site investigation. Soil sample collection and testing as part of the proposed ground investigation

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
• **Agricultural land and pastureland** • **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	• Plant uptake. Including airborne transmission then uptake		**Risk: Low**	works will identify any hotspots of contamination prior to development.
<u>On-Site Sources:</u> • **Agricultural land** • **Made Ground** • **Historical landfill**	• Direct flow into East Stour River. • Plant uptake associated with the river. Including airborne transmission then uptake.	**Flora and Fauna** (East Stour River)	Consequence: Mild Probability: Low Likelihood **Risk: Low**	Due to limited current and historical land use, it is considered unlikely that contamination is present on-Site. Therefore, the risk has been classed as low as it is unlikely that contamination will affect flora and fauna within rivers. Soil sample collection and testing as part of the proposed ground investigation works will identify any hotspots of contamination prior to development.
Groundwater				
<u>On-Site Sources:</u> • **Agricultural land** • **Made Ground** • **Historical landfill**	• Leaching from the Made Ground. • Shallow groundwater	**Controlled Waters** (Secondary A within the	Consequence: Mild Probability: Low likelihood	There is potential for contamination associated with the historical and current land use and Made Ground materials to effect groundwater. However, a

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
Off-Site Sources: • **Electrical substation** • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland** • **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	migration between Made Ground and the Superficial Deposits. • Vertical migration to the underlying solid aquifers.	Superficial Deposits, Principal within the bedrock).	**Risk: Low**	significant source of contamination is not expected. Whilst likely to be limited, surface water infiltration and subsequent leachate generate could allow for the vertical migration of contaminants. There is a limited area of the Site which has been classed as 'Principal' aquifer and therefore it is considered a low likelihood that contamination will affect controlled waters. Prior to development, a ground investigation will be carried out to assess any contamination at the Site. Any contamination which poses a risk to groundwater should be remediated and therefore the risk to groundwater will be reduced.

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
Surface Water				
<u>On-Site Sources:</u> • **Agricultural land** • **Made Ground** • **Historical landfill** **<u>Off-Site Sources:</u>** • **Electrical substation** • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland** • **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	• Contamination of solids/soils on-Site transferring to on-Site surface water • Conveying of off-Site contamination via pipes, culverts, and manifolds to surface water • Surface run-off and / or shallow groundwater flow.	**Controlled Waters** East Stour River	Consequence: Mild Probability: Low **Risk: Low**	There is a potential for contaminants associated with historical and current site use and the potential presence of Made Ground material. However, a significant source of contamination is not expected. Whilst likely to be limited, surface water could migrate laterally through shallow groundwater or as contaminated surface water run-off. Prior to development, a ground investigation should be carried out to assess any contamination at the Site. Any contamination which poses a risk to surface water should be remediated. Additionally, a detailed surface water drainage strategy is expected to be appropriately designed.
Built Environment				

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
<u>On-Site Sources:</u> • **Agricultural land** • **Made Ground** • **Historical landfill** **<u>Off-Site Sources:</u>** • **Electrical substation** • **Historical landfill and waste sites** • **Railway sidings** • **Agricultural land and pastureland**	• Vertical migration of any gas generated on-Site. • Lateral gas migration through natural strata.	Human health / Built Environment	Consequence: Medium Probability: Unlikely **Risk: Low**	There is potential for ground gas generation from the artificial deposits potentially present beneath the Site and immediately adjacent the Site, as well historic landfills. Should any buildings for full-time occupancy be considered as part of future development, then the risk would be increased to Moderate/Low and ground gas monitoring maybe necessary at the Site to quantify the risk. Site investigation works including the installation and monitoring of ground gas monitoring wells across the Site would allow for the characterisation of the ground gas regime beneath the Site and the recommendation of appropriate levels of ground gas protection measures.

TABLE 8.1 – INITIAL CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT				
Source	**Pathway**	**Receptor**	**Risk**	**Justification / Mitigation**
• **Sewage pumping sewage** • **Infilled ponds** • **Industrial land use** • **Historical quarries** • **Converter station**	• Aggressive ground conditions.	**Built Environment** (Sub-surface concrete structures & Water Supply Pipes).	Consequence: Mild Probability: Low Likelihood **Risk: Low**	Soil sample collection and specialised testing as part of the proposed ground investigation works will allow for the classification of the ground conditions beneath the Site and the potential requirement for specific concrete type for sub-surface structure and PAH-resistant water pipes.

9 GEOTECHNICAL PRELIMINARY CONSIDERATION

9.1 In addition to the environmental hazards, geotechnical hazards associated with the stability of the ground and mining issues should be assessed in line with the Overarching National Policy Statement for Energy (EN-1)[17], the National Policy Statement for Renewable Energy Infrastructure (EN-3)[18], and the National Policy Statement for Electricity Networks Infrastructure (EN-5)[19]

9.2 A brief summary of the geotechnical hazards across and within 250m of the Site as identified in the Groundsure data (**Annex B**) is provided in **Table 9.1** below.

9.3 It should be noted that the BGS Ground Stability Hazard assessment data is derived from the BGS digital 1:50,00 geological mapping. The data is used to assess potential ground stability issues related to natural geological conditions only, and does not cover any man-made hazards, such as waste disposal, contaminated land, or mining. The only exception to this is Compressible Ground hazard layer, which does consider Made Ground deposits e.g., landfill.

TABLE 9.1 SUMMARY OF GEOTECHNICAL HAZARDS	
Hazard	**Hazard rating**
Collapsible Ground Stability Hazard	**Negligible to Very Low** The majority of the Site is recorded as Very Low, related to the BGS mapping of no superficial deposits. Areas across Fields 19, and 23 to 28 are recorded as Negligible, associated with the mapped presence of Alluvium superficial deposits.
Compressible Ground Stability Hazard	**Negligible to Moderate** The majority of the Site is recorded as Negligible associated with the no superficial deposits underlying the Site according to BGS. However, part of Fields 19, and 23 to 28 are classified as Moderate relating to the Alluvium superficial deposits.
Potential for Ground Dissolution Stability Hazards	**Negligible** The entire Site is classified as Negligible as no soluble soils or bedrock have been mapped by the BGS across the Site.
Potential for Landslide Ground Stability Hazards	**Very Low to Moderate** The vast majority of the Site is classed as Very Low. However, there are small areas within Field 5 & 13 which are classed as Low. An area of approximately 1.36ha located on-Site adjacent to Handen Farm is classified as Moderate.

Potential for Running Sand Ground Stability Hazards	**Negligible to Low** The Negligible hazard rating covers the areas of the Site underlain by the Atherfield and Weald Clay Formation according to BGS mapping. There is a very small area of Very Low hazard rating located on-Site adjacent to Handen Farm. The Low hazard rating covers the areas of the Site underlain by the Alluvium superficial deposits and the Hythe Formation according to BGS mapping.
Potential for Shrinking or Swelling Clay Ground Stability Hazards	**Negligible to Low.** The areas classified as Negligible across the Site are associated with the Hythe Formation. Similarly, the areas classified as Very Low and Low are associated with the Atherfield Clay and Weald Clay Formations respectively.

Near Surface Soils and Foundations

9.4 Made Ground has been recorded as potentially underlying the Site. However, it is of unknown composition and thickness. Boreholes obtained from the BGS have outlined a potential for Made Ground within the north-east and Cable Route Corridor areas to reach 8m below ground level ('bgl'). Slag material was also noted within the BGS borehole records and therefore further investigation should be carried out to determine the extent and shrink/swell potential of the material within the Made Ground. Made Ground is unsuitable as a founding horizon without ground improvement techniques being applied. The requirement for foundations and their anticipated depths should be considered as part of any ground investigation elements relating to founding horizon.

9.5 There are small areas located within Fields 5 and 13 which display a moderate hazard rating for landslides. No evidence of landslides was noted during the

walkover survey. However, further investigation is recommended to quantify the risk.

9.6 Where delineation of the risks associated with near surface soils are required, a detailed intrusive ground investigation is recommended. The ground investigation would also assist in informing any future foundation recommendations.

Mining

9.7 The Site does not lie within a coal mining area. The Groundsure data has identified that surface ground workings may be present across and within 250m of the Site. Where heavy loading is foreseen, subsidence due to mining activities should not be discounted.

Excavations and Groundwater

9.8 The presence of Made Ground and Superficial Deposits presents the potential for excavations to become unstable. Due to the unknown strength of subsurface material, excavations may be difficult within the solid bedrock beneath the Site.

9.9 Where delineation of risks associated with the presence of shallow groundwater are required, an intrusive ground investigation is recommended.

Soakaway Drainage

9.10 The Site is underlain by a principal bedrock aquifer. The potential use of soakaways should be subject to a further assessment. It should be noted that depending on the presence of contamination and remediation requirements, the use of soakaways may be prohibited.

Services and Subsurface Structures

9.11 A number of utilities were identified during the site walkover, including water services and overhead electricity lines.

9.12 Utility and services should be located prior to any future ground investigation or development.

10 CONCLUSIONS AND RECOMMENDATIONS

Current Land Use

10.1 The Site is located to the north and west of Aldington, Kent and predominantly comprises agricultural land and pastureland. The Site is centred on an approximate National Grid Reference ('NGR') TR 05898 37766.

Environmental Sensitivity

10.2 There is a potential for the Site to be underlain by Made Ground. However, at this stage, it is of unknown thickness and composition. BGS records display Made Ground to a depth of 8m within the north-eastern and Cable Route Corridor areas of the Site.

10.3 The limited Superficial Deposits recorded within the north and north-east of the Site are classed as a 'Secondary A' aquifer. The bedrock underlying most of the Site is classed as an 'Unproductive' aquifer. However, there are areas within the centre, east and north-east which have been classed as 'Principal' aquifer.

10.4 The proposed land use is for ground-mounted solar PV arrays and on-Site energy storage, together with associated infrastructure and an underground cable connection to the existing National Grid Substation at Sellindge.

Contamination Potential

10.5 A review of desk study information concludes that there is a very low to low risk classification for the Site associated with the potential contamination at the Site.

10.6 This desk study review has identified the presence of several potentially complete contaminant linkages that will need to be addressed as part of the proposed Project.

10.7 It is recommended that a scheme of intrusive ground investigation work is undertaken to confirm the presence of Made Ground beneath the Site and where present, the extent and depth of Made Ground at the Site should be ascertained.

10.8 The ground investigation works should include both machine-excavated trial pits and borehole drilling in order to confirm the presence of Made Ground within the shallow ground and at depth beneath the Site. These intrusive investigation methods would allow for the collection of soil samples and the subsequent laboratory-based environmental analysis to quantify the level of potential contaminants. Robust site data will inform a revised conceptual site

model and quantitative risk assessment and, where required, development of remediation measures to mitigate any unacceptable risks.

References

1 Environment Agency (2020). Land Contamination Risk Management. *Accessed March 2022.* Available at: https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm.

2 British Standards Institute (2020). BS EN ISO 21365 Soil quality – Conceptual Site Models for potentially contaminated sites. *Accessed March 2022.*

3 British Standards Institute (2015). BS 5930:2015 The Code of Practice for Site Investigations. *Accessed March 2022.*

4 British Geological Survey. BGS Maps Portal. *Accessed March 2022*. Available at: [redacted]

5 British Geological Survey. BGS GeoIndex Interactive Portal. *Accessed March 2022*. Available at https://mapapps2.bgs.ac.uk/geoindex/home.html.

6 The Coal Authority. Interactive Map Viewer. *Accessed March 2022*. Available at: [redacted].

7 HM Government (2017). Water Environment (Water Framework Directive) (England & Wales) Regulations 2017. *Accessed March 2022*. Available at https://www.legislation.gov.uk/uksi/2017/407.

8 British Geological Survey. BGS Brit Pits. *Accessed March 2022*.

9 HM Government. Flood map for planning viewer. *Accessed March 2022*. Available at https://flood-map-for-planning.service.gov.uk/location

10 Building Research Establishment (2023). BR211 Radon: Guidance on Protective Measures for New Buildings – originally introduced in 1991 and amended in 1992, 1999,2007 and 2023 covering England and Wales. Accessed August 2023.

11 HM Government (1974). Health & Safety at Work etc Act 1974. *Accessed March 2022*. Available at: https://www.legislation.gov.uk/ukpga/1974/37

12 HM Government (2012). Control of Asbestos Regulations 2012. *Accessed March 2022*. Available at: https://www.legislation.gov.uk/uksi/2012/632.

13 HM Government (2015). Construction (Design and Management) Regulations 2015. *Accessed March 2022*. Available at https://www.legislation.gov.uk/uksi/2015/51/contents.

14 Contaminated Land: Applications in Real Environments (2010). Guiding Principles for Land Contamination. (Withdrawn October 2020). *Accessed March 2022*. Available at: https://webarchive.nationalarchives.gov.uk/ukgwa/20140328084622/http://publications.environment-agency.gov.uk/pdf/SCHO0804BIBR-e-e.pdf.

15 HM Government (1990). Environmental Protection Act 1990. *Accessed March 2022.* Available at https://www.legislation.gov.uk/ukpga/1990/43

16 Construction Industry Research & Information Association (2001). C552 Contaminated Land Risk Assessment: A Guide to Good Practice *Accessed March 2022*.

17 Department of Energy Security & Net Zero (2023). Overarching National Policy Statement for Energy (EN-1). *Accessed January 2024.* Available at:

https://assets.publishing.service.gov.uk/media/65a7864e96a5ec0013731a93/overarching-nps-for-energy-en1.pdf

[18] Department of Energy Security & Net Zero (2023). *National Policy Statement for Renewable Energy Infrastructure (EN-3)*. *Accessed January 2024*. Available at: https://assets.publishing.service.gov.uk/media/65a7889996a5ec000d731aba/nps-renewable-energy-infrastructure-en3.pdf.

[19] Department of Energy Security & Net Zero (2023). National Policy Statement for Electricity Networks Infrastructure (EN-5). *Accessed January 2024*. Available at: https://assets.publishing.service.gov.uk/media/65a78a5496a5ec000d731abb/nps-electricity-networks-infrastructure-en5.pdf

Annex A

Standard Terms and Conditions and Limitation to Report

STANDARD TERMS AND CONDITIONS AND LIMITATIONS TO REPORTS

This Report is provided for the stated purpose and for the sole use of the Client in accordance with the Terms and Conditions of Appointment under which the services were performed. The Report is confidential to the Client and no other warranty, expressed or implied, is made as to the professional advice included in the Report or any other services provided by Wardell Armstrong LLP. This Report may not be disclosed by the Client nor relied upon by any other party without the prior and express written agreement of Wardell Armstrong LLP.

The conclusions and recommendations contained in this Report are based upon information provided by others including details supplied by the Client and/or professional advisors on the assumption that all relevant information from whom it has been requested and/or supplied is accurate. Information so provided and/or supplied has not been verified independently by Wardell Armstrong LLP, unless otherwise stated in the Report.

The methodology adopted and the sources of information used by Wardell Armstrong LLP in providing the services are outlined in this Report. The work described in this Report is based on the conditions and information as stated at the date the Report was completed. The scope of this Report and the services are accordingly limited by these circumstances. The findings outlined in the Report together with any opinions expressed and recommendations made are considered to be valid and appropriate at the time of preparation and for the specific purpose or purposes intended. Whilst a walk over site visit was carried out as part of the work this has been limited to observations only and no other physical investigations, sampling and testing work has been carried out as part of this work. The walkover survey does not constitute an asbestos survey and not all areas of the site may have been visited or made available for inspection.

Wardell Armstrong LLP disclaim any undertaking or obligation to advise any person of any change in any matter affecting the Report which may come or be brought to Wardell Armstrong LLP's attention after the date of the Report. Unless otherwise stated in this Report, the assessments made assume that the sites and facilities will continue to be used for their current purpose without significant changes.

Where any site observations have been carried out, these have been restricted to a level of detail required to meet the stated objectives of the services. The results from any site observations made may vary and further confirmatory work should be made after the issuance of this Report. Wardell Armstrong LLP does not guarantee or warrant any estimates or projections contained in this Report.

The opinions given in this report have been based on finite data and are relevant only to the purpose for which the report was commissioned.

It should be noted that any risks identified in a Phase 1 report are perceived risks based on the information reviewed; actual risks can only be assessed following a physical investigation of the site.

The executive summary forms part of the overall report and should not be considered in isolation.

Annex B

Groundsure Report

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Stonestreet Revised

Order Details

Date: 24/04/2024

Your ref: Stonestreet Revised

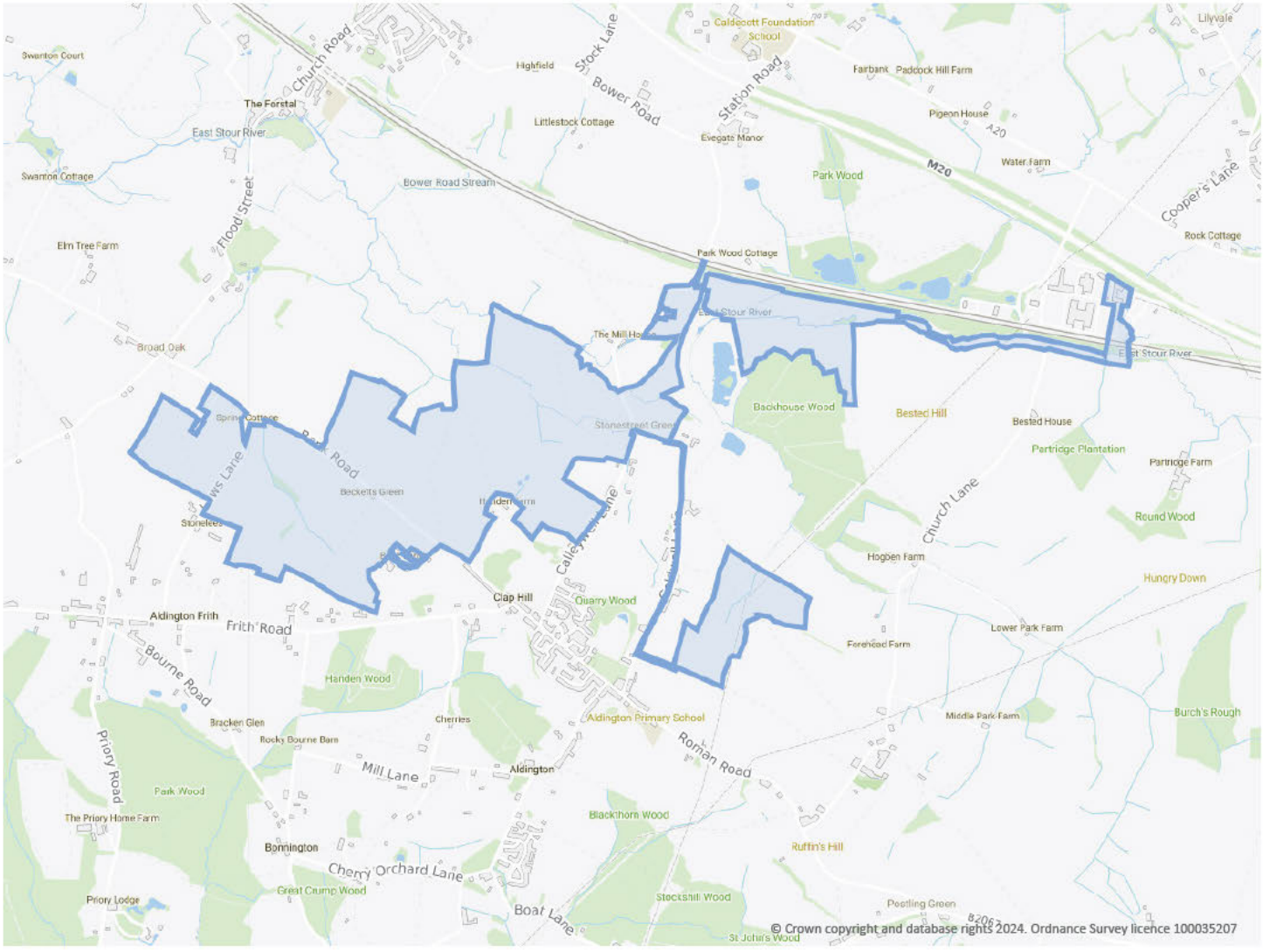
Our Ref: GSIP-2023-13822-18396_B

Site Details

Location: 606401 137695

Area: 191.57 ha

Authority: Ashford Borough Council ↗



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
14 >	1.1 >	Historical industrial land uses >	13	26	31	17	-
18 >	1.2 >	Historical tanks >	0	2	11	5	-
19 >	1.3 >	Historical energy features >	2	0	0	3	-
19	1.4	Historical petrol stations	0	0	0	0	-
20 >	1.5 >	Historical garages >	0	0	0	3	-
20	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**
21 >	2.1 >	Historical industrial land uses >	18	33	38	24	-
26 >	2.2 >	Historical tanks >	0	4	11	8	-
27 >	2.3 >	Historical energy features >	3	0	0	5	-
27	2.4	Historical petrol stations	0	0	0	0	-
27 >	2.5 >	Historical garages >	0	0	0	4	-
Page	**Section**	**Waste and landfill >**	**On site**	**0-50m**	**50-250m**	**250-500m**	**500-2000m**
29	3.1	Active or recent landfill	0	0	0	0	-
29 >	3.2 >	Historical landfill (BGS records) >	0	0	1	0	-
30	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
30 >	3.4 >	Historical landfill (EA/NRW records) >	1	1	1	1	-
31 >	3.5 >	Historical waste sites >	0	1	0	0	-
31 >	3.6 >	Licensed waste sites >	0	0	4	0	-
33 >	3.7 >	Waste exemptions >	24	143	12	12	-
Page	**Section**	**Current industrial land use >**	**On site**	**0-50m**	**50-250m**	**250-500m**	**500-2000m**
49 >	4.1 >	Recent industrial land uses >	3	13	24	-	-
52	4.2	Current or recent petrol stations	0	0	0	0	-
52 >	4.3 >	Electricity cables >	17	0	5	0	-
54	4.4	Gas pipelines	0	0	0	0	-
54	4.5	Sites determined as Contaminated Land	0	0	0	0	-

54	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
54	4.7	Regulated explosive sites	0	0	0	0	-
54	4.8	Hazardous substance storage/usage	0	0	0	0	-
55	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
55	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
55	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
55	4.12	Radioactive Substance Authorisations	0	0	0	0	-
55 >	4.13 >	Licensed Discharges to controlled waters >	9	11	4	2	-
60	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
60	4.15	Pollutant release to public sewer	0	0	0	0	-
60	4.16	List 1 Dangerous Substances	0	0	0	0	-
60 >	4.17 >	List 2 Dangerous Substances >	0	1	0	0	-
60 >	4.18 >	Pollution Incidents (EA/NRW) >	0	2	5	7	-
62	4.19	Pollution inventory substances	0	0	0	0	-
62	4.20	Pollution inventory waste transfers	0	0	0	0	-
63	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
64 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
66 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
69 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
77	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
78	5.5	Groundwater vulnerability- local information	None (within 0m)				
79 >	5.6 >	Groundwater abstractions >	0	0	3	1	0
80	5.7	Surface water abstractions	0	0	0	0	0
81	5.8	Potable abstractions	0	0	0	0	0
81	5.9	Source Protection Zones	0	0	0	0	-
81	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
82 >	6.1 >	Water Network (OS MasterMap) >	58	52	63	-	-

96 >	6.2 >	Surface water features >	1	17	39	-	-
96 >	6.3 >	WFD Surface water body catchments >	2	-	-	-	-
97 >	6.4 >	WFD Surface water bodies >	1	0	0	-	-
97 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
98 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
99 >	7.2 >	Historical Flood Events >	5	2	2	-	-
100 >	7.3 >	Flood Defences >	0	5	0	-	-
100 >	7.4 >	Areas Benefiting from Flood Defences >	4	15	12	-	-
101 >	7.5 >	Flood Storage Areas >	1	0	0	-	-
103 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
104 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
105 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
107 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	1
109	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
109	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
109	10.4	Special Protection Areas (SPA)	0	0	0	0	0
109	10.5	National Nature Reserves (NNR)	0	0	0	0	0
110 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	1	0
110 >	10.7 >	Designated Ancient Woodland >	0	1	1	4	40
112	10.8	Biosphere Reserves	0	0	0	0	0
112	10.9	Forest Parks	0	0	0	0	0
112	10.10	Marine Conservation Zones	0	0	0	0	0
113	10.11	Green Belt	0	0	0	0	0
113	10.12	Proposed Ramsar sites	0	0	0	0	0

113	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
113	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
113	10.15	Nitrate Sensitive Areas	0	0	0	0	0
114 >	10.16 >	Nitrate Vulnerable Zones >	1	0	1	0	2
115 >	10.17 >	SSSI Impact Risk Zones >	5	-	-	-	-
117 >	10.18 >	SSSI Units >	0	0	0	0	2
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
119	11.1	World Heritage Sites	0	0	0	-	-
120	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
120	11.3	National Parks	0	0	0	-	-
120 >	11.4 >	Listed Buildings >	0	8	9	-	-
121 >	11.5 >	Conservation Areas >	0	0	1	-	-
122	11.6	Scheduled Ancient Monuments	0	0	0	-	-
122	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
123 >	12.1 >	Agricultural Land Classification >	Grade 2 (within 250m)				
124	12.2	Open Access Land	0	0	0	-	-
124 >	12.3 >	Tree Felling Licences >	3	3	11	-	-
125 >	12.4 >	Environmental Stewardship Schemes >	8	1	6	-	-
126 >	12.5 >	Countryside Stewardship Schemes >	1	3	2	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
127 >	13.1 >	Priority Habitat Inventory >	10	4	9	-	-
128 >	13.2 >	Habitat Networks >	0	0	1	-	-
129	13.3	Open Mosaic Habitat	0	0	0	-	-
129	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
130 >	14.1 >	10k Availability >	Identified (within 500m)				
131	14.2	Artificial and made ground (10k)	0	0	0	0	-
132 >	14.3 >	Superficial geology (10k) >	1	0	0	3	-

133 >	14.4 >	Landslip (10k) >	1	0	1	3	-
134 >	14.5 >	Bedrock geology (10k) >	13	2	0	9	-
136	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
137 >	15.1 >	50k Availability >	Identified (within 500m)				
138	15.2	Artificial and made ground (50k)	0	0	0	0	-
138	15.3	Artificial ground permeability (50k)	0	0	-	-	-
139 >	15.4 >	Superficial geology (50k) >	1	0	0	2	-
140 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
140 >	15.6 >	Landslip (50k) >	1	0	1	3	-
140 >	15.7 >	Landslip permeability (50k) >	Identified (within 50m)				
142 >	15.8 >	Bedrock geology (50k) >	8	0	0	7	-
143 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
144	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
145 >	16.1 >	BGS Boreholes >	11	49	63	-	-
Page	Section	Natural ground subsidence >					
153 >	17.1 >	Shrink swell clays >	Low (within 50m)				
155 >	17.2 >	Running sands >	Low (within 50m)				
157 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
159 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
160 >	17.5 >	Landslides >	Moderate (within 50m)				
162 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
164 >	18.1 >	BritPits >	0	0	3	2	-
165 >	18.2 >	Surface ground workings >	23	23	22	-	-
168	18.3	Underground workings	0	0	0	0	0
168	18.4	Underground mining extents	0	0	0	0	-
169 >	18.5 >	Historical Mineral Planning Areas >	1	0	0	0	-

169 >	18.6 >	Non-coal mining >	9	1	1	2	3
171	18.7	JPB mining areas	None (within 0m)				
171	18.8	The Coal Authority non-coal mining	0	0	0	0	-
171	18.9	Researched mining	0	0	0	0	-
172	18.10	Mining record office plans	0	0	0	0	-
172	18.11	BGS mine plans	0	0	0	0	-
172	18.12	Coal mining	None (within 0m)				
172	18.13	Brine areas	None (within 0m)				
172	18.14	Gypsum areas	None (within 0m)				
173	18.15	Tin mining	None (within 0m)				
173	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
174 >	19.1 >	Natural cavities >	0	0	1	1	-
175	19.2	Mining cavities	0	0	0	0	0
175	19.3	Reported recent incidents	0	0	0	0	-
175 >	19.4 >	Historical incidents >	0	0	0	3	-
176	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
177 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
179 >	21.1 >	BGS Estimated Background Soil Chemistry >	86	22	-	-	-
185	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
185	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
186	22.1	Underground railways (London)	0	0	0	-	-
186	22.2	Underground railways (Non-London)	0	0	0	-	-
187	22.3	Railway tunnels	0	0	0	-	-
187 >	22.4 >	Historical railway and tunnel features >	1	12	2	-	-
188	22.5	Royal Mail tunnels	0	0	0	-	-

188	22.6	Historical railways	0	0	0	-	-
188 >	**22.7 >**	**Railways >**	8	9	1	-	-
189	22.8	Crossrail 1	0	0	0	0	-
189	22.9	Crossrail 2	0	0	0	0	-
189	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 17/07/2022

Site Area: 191.57ha

Recent site history - 2019 aerial photograph

Capture Date: 21/08/2019

Site Area: 191.57ha

Recent site history - 2015 aerial photograph

Capture Date: 15/04/2015

Site Area: 191.57ha

Recent site history - 2008 aerial photograph

Capture Date: 22/07/2008

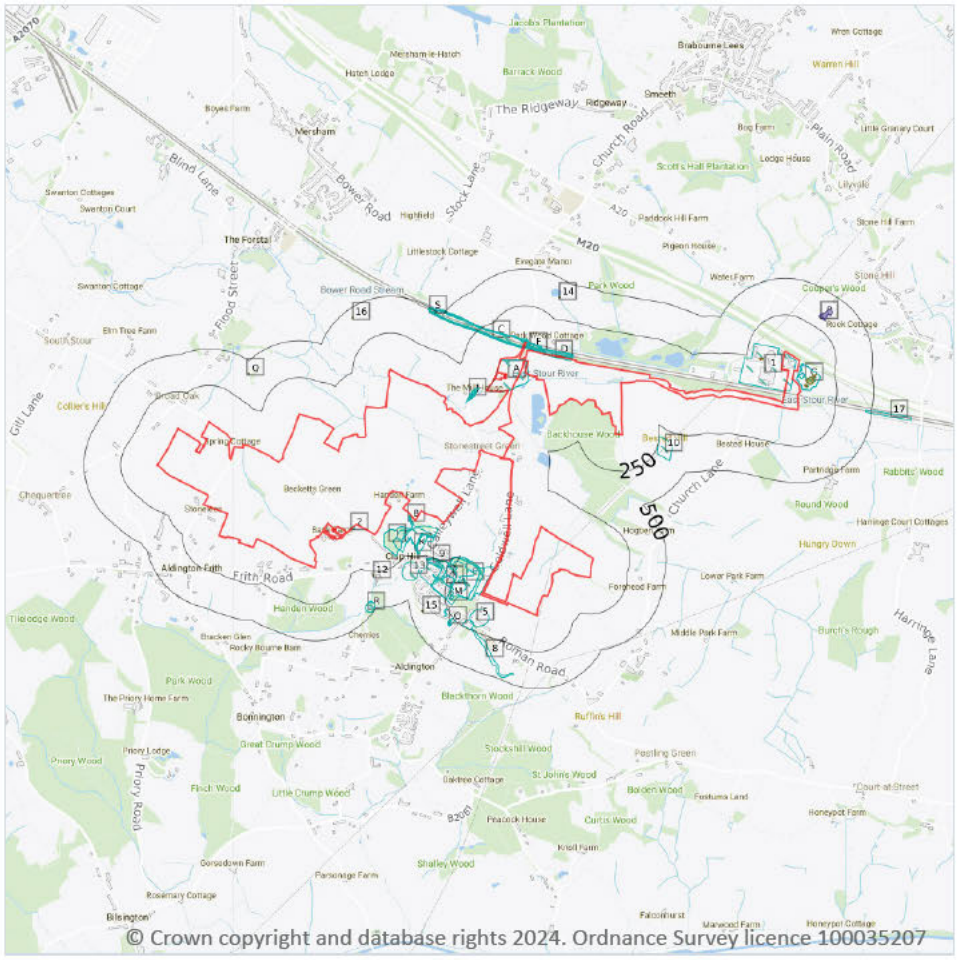
Site Area: 191.57ha

Recent site history - 1999 aerial photograph

Capture Date: 28/08/1999

Site Area: 191.57ha

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	87

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

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
1	On site	Converter Station	1988	2346434

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Unspecified Heap**	**1954**	**2351235**
A	**On site**	**Electric Substation**	**1988**	**2352152**
A	**On site**	**Electric Substation**	**1974**	**2357423**
B	**On site**	**Unspecified Ground Workings**	**1906 - 1940**	**2353777**
C	**On site**	**Cuttings**	**1871**	**2355339**
C	**On site**	**Cuttings**	**1954 - 1974**	**2361565**
C	**On site**	**Cuttings**	**1906 - 1940**	**2361870**
C	**On site**	**Cuttings**	**1906**	**2362059**
C	**On site**	**Cuttings**	**1988**	**2362673**
C	**On site**	**Cuttings**	**1906**	**2363080**
C	**On site**	**Cuttings**	**1896**	**2363327**
D	**On site**	**Railway Sidings**	**1954**	**2360564**
E	3m SE	Unspecified Disused Quarry	1988	2361161
D	4m NE	Railway Sidings	1906 - 1940	2356943
B	5m S	Unspecified Ground Workings	1954	2353860
F	6m NE	Cuttings	1954	2358398
F	8m NE	Railway Station	1954	2357044
F	8m NE	Cuttings	1974	2355762
F	8m NE	Cuttings	1988	2356656
F	10m NE	Cuttings	1871	2354906
D	12m NE	Railway Sidings	1896 - 1906	2365187
F	12m NE	Railway Station	1906 - 1940	2354832
F	12m NE	Cuttings	1906	2358464
F	13m NE	Cuttings	1906 - 1940	2358655
G	13m E	Sewage Treatment Works	1974	2354899
G	13m E	Sewage Treatment Works	1988	2364203
F	14m NE	Railway Sidings	1906	2355483
F	14m NE	Cuttings	1896	2358959

ID	Location	Land use	Dates present	Group ID
F	15m NE	Railway Station	1896	2359340
3	23m E	Unspecified Beds	1988	2346388
G	32m E	Filter Beds	1974	2353492
G	32m E	Filter Beds	1988	2361310
H	36m S	Unspecified Quarry	1940	2363246
F	37m NE	Railway Station	1871	2350559
G	39m E	Unspecified Tanks	1974	2352344
G	39m E	Unspecified Tanks	1988	2354994
E	47m SE	Unspecified Disused Quarry	1974	2355721
H	48m S	Unspecified Quarry	1954	2354792
I	52m S	Unspecified Disused Quarry	1988	2363659
I	52m S	Unspecified Disused Quarry	1974	2364345
J	55m NE	Unspecified Mill	1988	2359371
J	55m NE	Unspecified Mill	1974	2362563
G	59m E	Unspecified Tanks	1988	2352110
G	59m E	Unspecified Tanks	1974	2364768
4	63m SE	Unspecified Quarry	1954	2362306
E	66m SE	Unspecified Disused Quarry	1940	2359716
J	71m NE	Unspecified Mill	1906 - 1954	2355356
J	77m NE	Unspecified Mill	1896	2359480
J	78m NE	Mill	1906	2356818
G	84m E	Unspecified Tanks	1974	2353402
G	84m E	Unspecified Tanks	1988	2360479
5	88m SE	Fire Station	1954	2347533
J	89m NE	Corn Mill	1871	2350620
K	100m S	Unspecified Ground Workings	1906	2356822
K	101m S	Unspecified Ground Workings	1906	2364243
K	107m S	Unspecified Old Quarry	1896	2349812

ID	Location	Land use	Dates present	Group ID
6	108m SE	Unspecified Quarry	1871	2362921
G	112m E	Unspecified Tanks	1974	2349088
G	112m E	Filter Beds	1988	2349474
7	188m SE	Smithy	1954	2348558
M	191m SE	Fire Station	1988	2364520
M	191m SE	Fire Station	1974	2365369
N	203m SE	Unspecified Depot	1988	2354653
N	203m SE	Unspecified Depot	1974	2364672
N	206m SE	Quarry	1906	2363004
N	206m SE	Unspecified Quarry	1896 - 1906	2365435
8	244m SE	Unspecified Ground Workings	1906	2355398
9	246m S	Unspecified Ground Workings	1906	2346846
O	250m S	Smithy	1871	2364455
C	251m NE	Electric Substation	1988	2350608
10	252m E	Radio Station	1954	2347381
11	254m S	Unspecified Ground Workings	1940	2346845
O	275m S	Smithy	1906 - 1940	2354991
N	281m S	Lime Kiln	1871	2350849
13	285m S	Telephone Exchange	1954	2350966
O	294m S	Smithy	1896 - 1906	2364729
N	314m S	Electric Substation	1988	2350603
Q	423m NW	Unspecified Tank	1871	2347868
R	434m S	Unspecified Hole	1988	2356631
R	434m S	Unspecified Hole	1974	2359175
17	462m E	Cuttings	1871	2354903
S	472m N	Cuttings	1988	2352394
S	472m N	Cuttings	1954 - 1974	2353226
S	479m N	Cuttings	1906 - 1940	2359307

ID	Location	Land use	Dates present	Group ID
S	480m N	Cuttings	1906	2361210
S	481m N	Cuttings	1871 - 1896	2362166

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m **18**

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

Features are displayed on the Past land use map on page 14 >

ID	Location	Land use	Dates present	Group ID
G	35m E	Tanks	1970 - 1993	423497
G	35m E	Tanks	1988	425613
G	56m E	Tanks	1993	421345
G	77m E	Unspecified Tank	1970	425848
G	78m E	Unspecified Tank	1986	423754
G	92m E	Unspecified Tank	1970	424368
G	92m E	Unspecified Tank	1986	425485
G	108m E	Tanks	1970	421346
G	120m E	Tanks	1970	425421
G	123m E	Tanks	1986	423496
L	134m E	Tanks	1986	424890
L	135m E	Tanks	1993	425599
L	136m E	Tanks	1988	424603
12	275m S	Unspecified Tank	1971	421697
14	381m NE	Tanks or Troughs	1871	423115
15	415m S	Tanks	1971 - 1993	424113

ID	Location	Land use	Dates present	Group ID
Q	424m NW	Unspecified Tank	1871	421695
16	438m N	Unspecified Tank	1907 - 1939	424739

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m **5**

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

Features are displayed on the Past land use map on page 14 >

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Electricity Substation**	**1993**	**301251**
A	**On site**	**Electricity Substation**	**1971**	**302909**
C	256m NE	Electricity Substation	1971	303009
C	257m NE	Electricity Substation	1993	301636
N	299m S	Electricity Substation	1974 - 1993	302338

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	3

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

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
P	322m E	Garage	1986 - 1993	89443
P	323m E	Garage	1970	88769
P	326m E	Garage	1988	88811

This data is sourced from Ordnance Survey / Groundsure.

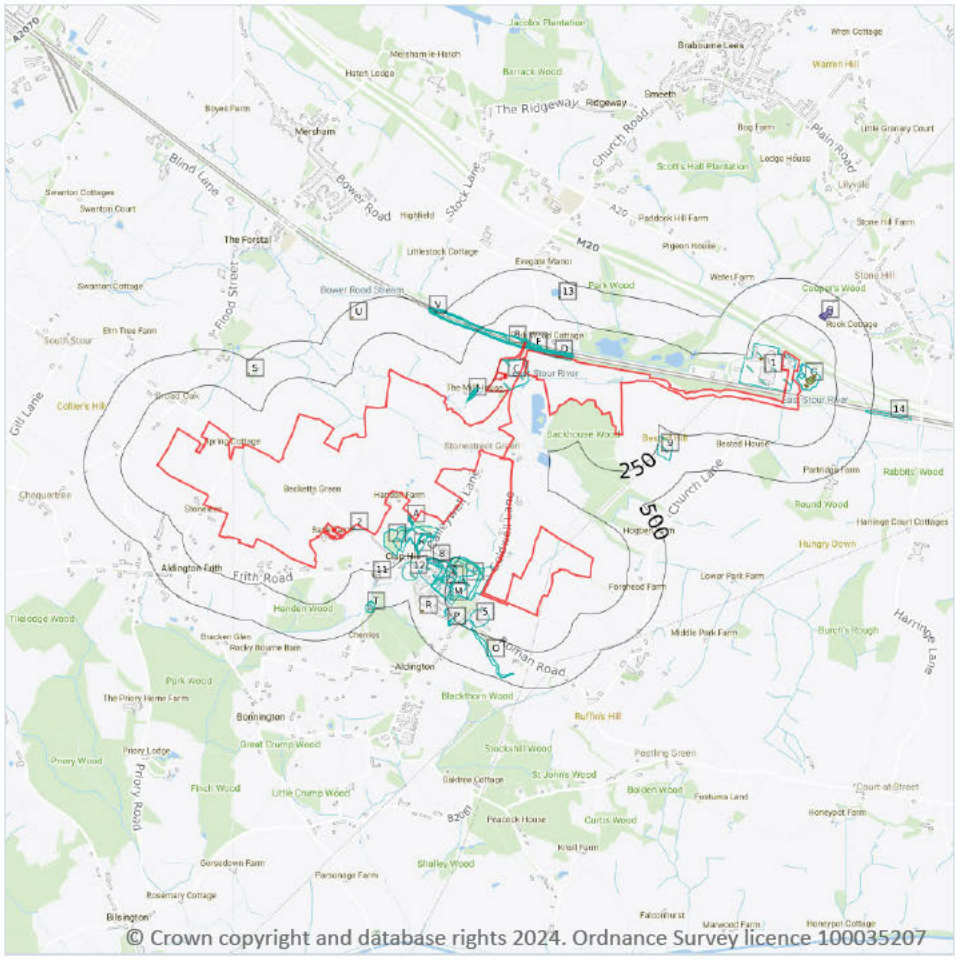
1.6 Historical military land

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	113

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

Features are displayed on the Past land use - un-grouped map on page 21 >

ID	Location	Land Use	Date	Group ID
1	On site	Converter Station	1988	2346434
2	On site	Unspecified Heap	1954	2351235
A	On site	Unspecified Ground Workings	1940	2353777

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Ground Workings**	**1906**	**2353777**
A	**On site**	**Unspecified Ground Workings**	**1906**	**2353777**
A	**On site**	**Unspecified Ground Workings**	**1906**	**2353777**
B	**On site**	**Cuttings**	**1974**	**2361565**
B	**On site**	**Cuttings**	**1988**	**2362673**
B	**On site**	**Cuttings**	**1906**	**2362059**
B	**On site**	**Cuttings**	**1906**	**2363080**
B	**On site**	**Cuttings**	**1954**	**2361565**
B	**On site**	**Cuttings**	**1871**	**2355339**
B	**On site**	**Cuttings**	**1940**	**2361870**
B	**On site**	**Cuttings**	**1906**	**2361870**
B	**On site**	**Cuttings**	**1896**	**2363327**
C	**On site**	**Electric Substation**	**1974**	**2357423**
C	**On site**	**Electric Substation**	**1988**	**2352152**
D	**On site**	**Railway Sidings**	**1954**	**2360564**
E	3m SE	Unspecified Disused Quarry	1988	2361161
D	4m NE	Railway Sidings	1940	2356943
D	4m NE	Railway Sidings	1906	2356943
A	5m S	Unspecified Ground Workings	1954	2353860
F	6m NE	Cuttings	1954	2358398
F	8m NE	Railway Station	1954	2357044
F	8m NE	Cuttings	1974	2355762
F	8m NE	Cuttings	1988	2356656
F	10m NE	Cuttings	1871	2354906
D	12m NE	Railway Sidings	1906	2365187
D	12m NE	Railway Sidings	1906	2365187
F	12m NE	Railway Station	1940	2354832
F	12m NE	Railway Station	1906	2354832

ID	Location	Land Use	Date	Group ID
F	12m NE	Cuttings	1906	2358464
F	12m NE	Cuttings	1906	2358464
F	13m NE	Cuttings	1940	2358655
F	13m NE	Cuttings	1906	2358655
G	13m E	Sewage Treatment Works	1974	2354899
G	13m E	Sewage Treatment Works	1988	2364203
D	13m NE	Railway Sidings	1896	2365187
F	14m NE	Railway Sidings	1906	2355483
F	14m NE	Railway Sidings	1906	2355483
F	14m NE	Cuttings	1896	2358959
F	15m NE	Railway Station	1896	2359340
3	23m E	Unspecified Beds	1988	2346388
G	32m E	Filter Beds	1974	2353492
G	32m E	Filter Beds	1988	2361310
H	36m S	Unspecified Quarry	1940	2363246
F	37m NE	Railway Station	1871	2350559
G	39m E	Unspecified Tanks	1974	2352344
G	39m E	Unspecified Tanks	1988	2354994
E	47m SE	Unspecified Disused Quarry	1974	2355721
H	48m S	Unspecified Quarry	1954	2354792
I	52m S	Unspecified Disused Quarry	1974	2364345
I	52m S	Unspecified Disused Quarry	1988	2363659
J	55m NE	Unspecified Mill	1974	2362563
J	55m NE	Unspecified Mill	1988	2359371
G	59m E	Unspecified Tanks	1974	2364768
G	59m E	Unspecified Tanks	1988	2352110
4	63m SE	Unspecified Quarry	1954	2362306
E	66m SE	Unspecified Disused Quarry	1940	2359716

ID	Location	Land Use	Date	Group ID
J	71m NE	Unspecified Mill	1940	2355356
J	71m NE	Unspecified Mill	1906	2355356
J	77m NE	Unspecified Mill	1896	2359480
J	78m NE	Mill	1906	2356818
J	78m NE	Mill	1906	2356818
G	84m E	Unspecified Tanks	1974	2353402
G	84m E	Unspecified Tanks	1988	2360479
J	84m NE	Unspecified Mill	1954	2355356
5	88m SE	Fire Station	1954	2347533
J	89m NE	Corn Mill	1871	2350620
K	100m S	Unspecified Ground Workings	1906	2356822
K	100m S	Unspecified Ground Workings	1906	2356822
K	101m S	Unspecified Ground Workings	1906	2364243
K	107m S	Unspecified Old Quarry	1896	2349812
6	108m SE	Unspecified Quarry	1871	2362921
G	112m E	Unspecified Tanks	1974	2349088
G	112m E	Filter Beds	1988	2349474
7	188m SE	Smithy	1954	2348558
M	191m SE	Fire Station	1974	2365369
M	191m SE	Fire Station	1988	2364520
N	203m SE	Unspecified Depot	1974	2364672
N	203m SE	Unspecified Depot	1988	2354653
N	206m SE	Quarry	1906	2363004
N	206m SE	Quarry	1906	2363004
N	206m SE	Unspecified Quarry	1906	2365435
O	244m SE	Unspecified Ground Workings	1906	2355398
O	244m SE	Unspecified Ground Workings	1906	2355398
8	246m S	Unspecified Ground Workings	1906	2346846

ID	Location	Land Use	Date	Group ID
N	249m SE	Unspecified Quarry	1896	2365435
P	250m S	Smithy	1871	2364455
B	251m NE	Electric Substation	1988	2350608
9	252m E	Radio Station	1954	2347381
10	254m S	Unspecified Ground Workings	1940	2346845
P	275m S	Smithy	1906	2354991
P	276m S	Smithy	1940	2354991
N	281m S	Lime Kiln	1871	2350849
12	285m S	Telephone Exchange	1954	2350966
P	294m S	Smithy	1896	2364729
P	295m S	Smithy	1906	2364729
P	295m S	Smithy	1906	2364729
N	314m S	Electric Substation	1988	2350603
S	423m NW	Unspecified Tank	1871	2347868
T	434m S	Unspecified Hole	1974	2359175
T	434m S	Unspecified Hole	1988	2356631
14	462m E	Cuttings	1871	2354903
V	472m N	Cuttings	1974	2353226
V	472m N	Cuttings	1988	2352394
V	472m N	Cuttings	1954	2353226
V	479m N	Cuttings	1940	2359307
V	479m N	Cuttings	1906	2359307
V	480m N	Cuttings	1906	2361210
V	480m N	Cuttings	1906	2361210
V	481m N	Cuttings	1871	2362166
V	482m N	Cuttings	1896	2362166

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	23

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

Features are displayed on the Past land use - un-grouped map on page 21 >

ID	Location	Land Use	Date	Group ID
G	35m E	Tanks	1970	423497
G	35m E	Tanks	1988	425613
G	35m E	Tanks	1993	423497
G	36m E	Tanks	1986	423497
G	56m E	Tanks	1993	421345
G	77m E	Unspecified Tank	1970	425848
G	78m E	Unspecified Tank	1986	423754
G	92m E	Unspecified Tank	1970	424368
G	92m E	Unspecified Tank	1986	425485
G	108m E	Tanks	1970	421346
G	120m E	Tanks	1970	425421
G	123m E	Tanks	1986	423496
L	134m E	Tanks	1986	424890
L	135m E	Tanks	1993	425599
L	136m E	Tanks	1988	424603
11	275m S	Unspecified Tank	1971	421697
13	381m NE	Tanks or Troughs	1871	423115
R	415m S	Tanks	1974	424113
R	416m S	Tanks	1971	424113
R	416m S	Tanks	1993	424113
S	424m NW	Unspecified Tank	1871	421695
U	438m N	Unspecified Tank	1907	424739
U	438m N	Unspecified Tank	1939	424739

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	8

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

Features are displayed on the Past land use - un-grouped map on **page 21 >**

ID	Location	Land Use	Date	Group ID
C	**On site**	**Electricity Substation**	**1971**	**302909**
C	**On site**	**Electricity Substation**	**1993**	**301251**
C	**On site**	**Electricity Substation**	**1993**	**301251**
B	256m NE	Electricity Substation	1971	303009
B	257m NE	Electricity Substation	1993	301636
B	257m NE	Electricity Substation	1993	301636
N	299m S	Electricity Substation	1993	302338
N	301m S	Electricity Substation	1974	302338

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	4

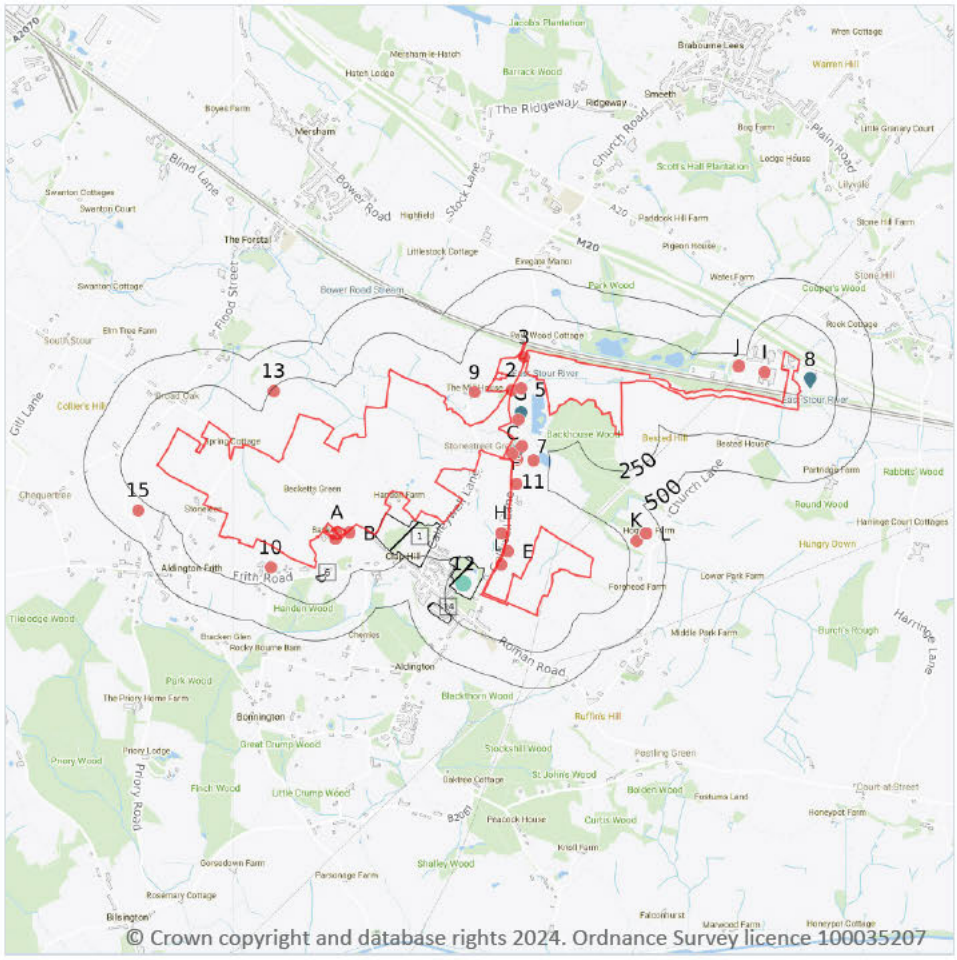
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 21 >**

ID	Location	Land Use	Date	Group ID
Q	322m E	Garage	1986	89443
Q	323m E	Garage	1970	88769
Q	325m E	Garage	1993	89443
Q	326m E	Garage	1988	88811

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	1

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

Features are displayed on the Waste and landfill map on page 29 >

ID	Location	Address	BGS Number	Risk	Waste Type
12	144m SE	Aldington Quarry, Claphill, nr Ashford, Kent	81	Risk to minor 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	4

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

Features are displayed on the Waste and landfill map on page 29 >

ID	Location	Details		
1	**On site**	**Site Address: Clap Hill, Aldington, Kent** **Licence Holder Address: -**	**Waste Licence: -** **Site Reference: AS30** **Waste Type: Inert, Commercial, Household** **Environmental Permitting Regulations (Waste) Reference: -** **Licence Issue: -** **Licence Surrender: -**	**Operator: Ashford Rural District Council** **Licence Holder: Mr Lee-Eard** **First Recorded -** **Last Recorded: 31/12/1974**
4	46m SE	Site Address: Aldington Quarry, Aldington, Kent Licence Holder Address: -	Waste Licence: - Site Reference: AS5 Waste Type: Inert, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: East Ashford Rural district Council Licence Holder: Ashford Rural District Council First Recorded - Last Recorded: 31/12/1974
6	59m SW	Site Address: Howarth Mill Lane, Addlington, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: AS17 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

ID	Location	Details		
14	252m S	Site Address: Aldington Earlsfield, Aldington, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: AS9 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m **1**

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on page 29 >

ID	Location	Address	Further Details	Date
C	16m E	Site Address: Woodleas Farm,Goldwell Lane, Aldington, ASHFORD, Kent, TN25 7DX	Type of Site: Waste Transfer Station Planning application reference: 11/00276/AS Description: Scheme comprises change of use of a skip depot to a waste transfer depot with construction of a new building, provision of a portacabin and a weighbridge. Construction - steel cladding walls; steel cladding roof; black top surfacing, concrete paving, fci ng site works. An application (ref: 11/00276/AS) for detailed planning permission was withdrawn from Ashford B.C. A detailed planning application has been withdrawn. 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 **4**

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

Features are displayed on the Waste and landfill map on page 29 >

ID	Location	Details		
C	60m E	Site Name: Woodleas Farm Site Address: WOODLEAS FARM, GOLDWELL LANE, ASHFORD, TN25 7DX Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE8476AA/A001 Operator: Woodleas Farm Ltd Waste Management licence No: 120270 Annual Tonnage: -	Issue Date: 12/10/2020 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	72m NE	Site Name: Woodleas Farm Site Address: Woodleas Farm, Goldwell Lane, Aldington, Ashford, Kent, TN25 7DX Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BUT028 EPR reference: EA/EPR/AB3500UG/A001 Operator: R H Butler Limited Waste Management licence No: 400645 Annual Tonnage: 75000	Issue Date: 08/10/2014 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
G	72m NE	Site Name: Woodleas Farm Site Address: Woodleas Farm, Goldwell Lane, Aldington, Ashford, Kent, TN25 7DX Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 639117 EPR reference: EA/EPR/AB3500UG Operator: R H Butler Limited Waste Management licence No: 400645 Annual Tonnage: 75000	Issue Date: 08/10/2014 Effective Date: 08/10/2014 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
8	83m E	Site Name: Sellindge Wtw Site Address: Sellinge Wtw, Church Lane (off A20), Sellindge, Ashford, Kent, TN25 6DD Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 648872 EPR reference: EA/EPR/PP3794HH Operator: Southern Water Services Limited Waste Management licence No: 19557 Annual Tonnage: 9100	Issue Date: 30/09/1994 Effective Date: 30/09/1994 Modified: - 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 **191**

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

Features are displayed on the Waste and landfill map on page 29 >

ID	Location	Site	Reference	Category	Sub-Category	Description
2	On site	-	WEX216477	Using waste exemption	Not on a farm	Spreading waste on non-agricultural land to confer benefit
3	On site	-	WEX373685	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Agricultural Waste Only	Pig and poultry ash
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Cleaning, washing, spraying or coating relevant waste
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste derived biodiesel as fuel
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Disposal by incineration
A	On site	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VF0738RU/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
A	**On site**	**Bank Farm Bank Road ASHFORD Kent TN25 7DF**	**EPR/VF0738RU/A001**	**Treating waste exemption**	**Both agricultural and non-agricultural waste**	**Treatment of waste food**
A	**On site**	**Bank Farm Bank Road ASHFORD Kent TN25 7DF**	**EPR/VF0738RU/A001**	**Treating waste exemption**	**Both agricultural and non-agricultural waste**	**Treatment of waste in a biobed or biofilter**
A	**On site**	**Bank Farm Bank Road ASHFORD Kent TN25 7DF**	**EPR/VF0738RU/A001**	**Treating waste exemption**	**Both agricultural and non-agricultural waste**	**Recovery of scrap metal**
A	**On site**	**Bank Farm Bank Road ASHFORD Kent TN25 7DF**	**EPR/VF0738RU/A001**	**Using waste exemption**	**Both agricultural and non-agricultural waste**	**Spreading waste on agricultural land to confer benefit**
A	**On site**	**Bank Farm Bank Road ASHFORD Kent TN25 7DF**	**EPR/VF0738RU/A001**	**Using waste exemption**	**Both agricultural and non-agricultural waste**	**Use of mulch**
A	**On site**	**Bank Farm Bank Road ASHFORD Kent TN25 7DF**	**EPR/VF0738RU/A001**	**Treating waste exemption**	**Non-Agricultural Waste Only**	**Physical treatment of waste edible oil and fat to produce biodiesel**
A	**On site**	**Bank Farm Bank Road ASHFORD Kent TN25 7DF**	**EPR/VF0738RU/A001**	**Using waste exemption**	**Non-Agricultural Waste Only**	**Use of depolluted end-of-life vehicles for vehicle parts**
A	3m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX384705	Using waste exemption	On a farm	Use of waste for a specified purpose
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Using waste exemption	On a farm	Use of waste in construction
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Using waste exemption	On a farm	Use of waste for a specified purpose

ID	Location	Site	Reference	Category	Sub-Category	Description
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Using waste exemption	On a farm	Incorporation of ash into soil
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Using waste exemption	On a farm	Pig and poultry ash
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Storing waste exemption	On a farm	Storage of sludge
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Storing waste exemption	On a farm	Storage of sludge
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Storing waste exemption	On a farm	Storage of waste in a secure place
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Storing waste exemption	On a farm	Storage of waste in secure containers
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Using waste exemption	On a farm	Pig and poultry ash
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Using waste exemption	On a farm	Incorporation of ash into soil
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Using waste exemption	On a farm	Spreading of plant matter to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Using waste exemption	On a farm	Use of waste for a specified purpose
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Using waste exemption	On a farm	Use of waste in the construction of entertainment or educational installations etc
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Using waste exemption	On a farm	Use of waste in construction
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Using waste exemption	On a farm	Use of mulch
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Treating waste exemption	On a farm	Screening and blending of waste
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX365454	Disposing of waste exemption	On a farm	Burning waste in the open
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Disposing of waste exemption	On a farm	Disposal by incineration
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Treating waste exemption	On a farm	Treatment of kitchen waste in a wormery
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Treating waste exemption	On a farm	Treatment of waste food

ID	Location	Site	Reference	Category	Sub-Category	Description
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Treating waste exemption	On a farm	Recovery of scrap metal
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX311914	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Use of waste in the construction of entertainment or educational installations etc
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Storing waste exemption	On a farm	Storage of waste in a secure place
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Incorporation of ash into soil
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Storing waste exemption	On a farm	Storage of sludge
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Pig and poultry ash
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Use of waste for a specified purpose
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Use of waste in construction
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Storing waste exemption	On a farm	Storage of waste in secure containers

ID	Location	Site	Reference	Category	Sub-Category	Description
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Storing waste exemption	On a farm	Storage of sludge
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Use of waste in construction
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Pig and poultry ash
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Incorporation of ash into soil
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Use of waste for a specified purpose
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Storing waste exemption	On a farm	Storage of waste in a secure place
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Storing waste exemption	On a farm	Storage of sludge
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment

ID	Location	Site	Reference	Category	Sub-Category	Description
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Use of waste in construction
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Incorporation of ash into soil
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Pig and poultry ash
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Use of waste for a specified purpose
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Disposing of waste exemption	On a farm	Disposal by incineration
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Treating waste exemption	On a farm	Recovery of scrap metal
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Treating waste exemption	On a farm	Treatment of waste food
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX181489	Treating waste exemption	On a farm	Treatment of kitchen waste in a wormery
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Treating waste exemption	On a farm	Screening and blending of waste
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Disposing of waste exemption	On a farm	Burning waste in the open
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX095611	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Disposing of waste exemption	On a farm	Disposal by incineration
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Disposing of waste exemption	On a farm	Burning waste in the open
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Treating waste exemption	On a farm	Screening and blending of waste
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX016079	Using waste exemption	On a farm	Use of mulch
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Use of waste in construction
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance

ID	Location	Site	Reference	Category	Sub-Category	Description
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Use of waste for a specified purpose
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Incorporation of ash into soil
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Pig and poultry ash
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Storing waste exemption	On a farm	Storage of sludge
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Using waste exemption	On a farm	Use of mulch
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Treating waste exemption	On a farm	Screening and blending of waste
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Treating waste exemption	On a farm	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Treating waste exemption	On a farm	Treatment of waste in a biobed or biofilter
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX238531	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
A	10m SW	BANK FARM, BANK ROAD, ALDINGTON, ASHFORD, TN25 7DF	WEX257022	Using waste exemption	On a farm	Use of waste for a specified purpose
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/RH0876KP/A001	Using waste exemption	Agricultural Waste Only	Pig and poultry ash
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/RH0876KP/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose

ID	Location	Site	Reference	Category	Sub-Category	Description
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste in a biobed or biofilter
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
B	12m SW	Bank Farm Bank Road ASHFORD Kent TN25 7DF	EPR/VH0076KC/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
D	18m SE	GOLDWELL FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX080590	Using waste exemption	On a farm	Use of waste in construction
D	18m SE	GOLDWELL FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX080590	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
D	18m SE	GOLDWELL FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX080590	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
D	18m SE	GOLDWELL FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX080590	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	27m SE	Goldwell Farm Goldwell Lane ASHFORD Kent TN25 7DX	EPR/UF0935EZ /A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters
E	27m SE	Goldwell Farm Goldwell Lane ASHFORD Kent TN25 7DX	EPR/UF0935EZ /A001	Using waste exemption	Agricultural Waste Only	Spreading of plant matter to confer benefit
E	27m SE	Goldwell Farm Goldwell Lane ASHFORD Kent TN25 7DX	EPR/UF0935EZ /A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
C	28m E	-	WEX318466	Disposing of waste exemption	Not on a farm	Burning waste in the open
F	29m E	-	WEX353241	Using waste exemption	Not on a farm	Use of waste in construction
F	29m E	-	WEX353241	Using waste exemption	Not on a farm	Use of waste for a specified purpose
F	29m E	-	WEX353241	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit
F	29m E	-	WEX353241	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	29m E	-	WEX353241	Using waste exemption	Not on a farm	Use of mulch
F	29m E	-	WEX353241	Treating waste exemption	Not on a farm	Screening and blending of waste
F	29m E	-	WEX353241	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
C	38m E	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX322838	Disposing of waste exemption	Not on a farm	Burning waste in the open
C	38m E	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX195900	Disposing of waste exemption	Not on a farm	Burning waste in the open

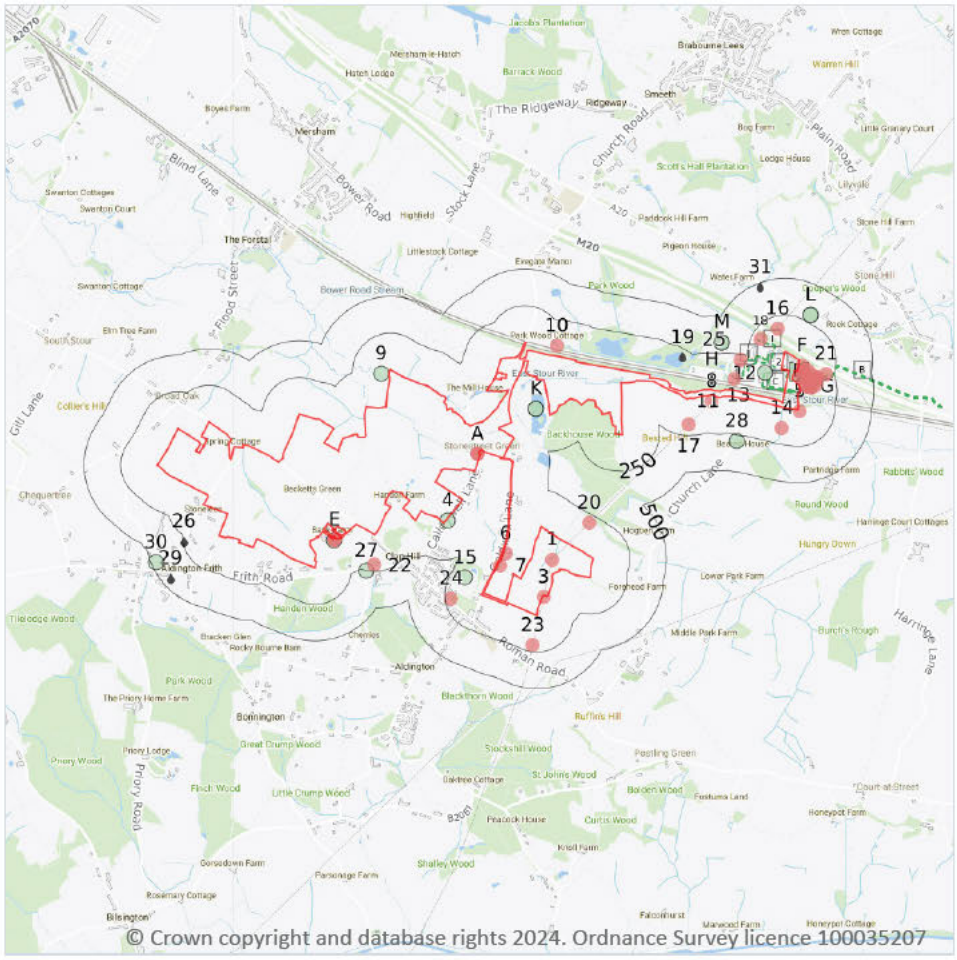
ID	Location	Site	Reference	Category	Sub-Category	Description
C	38m E	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX196724	Disposing of waste exemption	Not on a farm	Burning waste in the open
C	38m E	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX241216	Storing waste exemption	On a farm	Storage of waste in a secure place
C	38m E	WOODLEAS FARM, GOLDWELL LANE, ALDINGTON, ASHFORD, TN25 7DX	WEX241216	Using waste exemption	On a farm	Use of waste in construction
G	45m E	Aldington Reservoir weed screen	WEX263423	Disposing of waste exemption	Not on a farm	Burning waste in the open
G	45m E	-	WEX123684	Disposing of waste exemption	Not on a farm	Burning waste in the open
H	46m SE	-	WEX367350	Using waste exemption	On a farm	Use of waste in construction
H	46m SE	-	WEX367350	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
H	46m SE	-	WEX367350	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
H	46m SE	-	WEX367350	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
H	46m SE	-	WEX367350	Disposing of waste exemption	On a farm	Burning waste in the open
H	46m SE	-	WEX240654	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
H	46m SE	-	WEX240654	Using waste exemption	On a farm	Use of waste in construction
H	46m SE	-	WEX240654	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
H	46m SE	-	WEX240654	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
H	46m SE	-	WEX240654	Disposing of waste exemption	On a farm	Burning waste in the open
5	51m NE	-	WEX288632	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
7	75m E	-	WEX369922	Using waste exemption	Not on a farm	Use of waste in construction
9	86m NE	Land lying to the south of the byre, Station Road, Smeeth, Ashford, Kent, TN25 6SY	WEX270455	Disposing of waste exemption	Not on a farm	Burning waste in the open
I	119m E	CHURCH LANE, SELLINDGE, ASHFORD, TN25 6AF	WEX296014	Using waste exemption	Not on a Farm	Use of waste in construction
I	119m E	CHURCH LANE, SELLINDGE, ASHFORD, TN25 6AF	WEX158839	Using waste exemption	Not on a Farm	Use of waste in construction
I	119m E	Sellindge Substation, CHURCH LANE, SELLINDGE, ASHFORD, TN25 6AF	WEX075079	Treating waste exemption	Not on a farm	Screening and blending of waste
10	133m SW	GOODWIN FARM, FRITH ROAD, ALDINGTON, ASHFORD, TN25 7DQ	WEX215329	Using waste exemption	On a Farm	Use of waste in construction
11	137m E	-	WEX278121	Using waste exemption	Not on a farm	Use of waste in construction
J	162m E	SEESA, Sellindge Convertor Station Church Lane ASHFORD Kent TN25 6AF	EPR/JF0603XK/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste aerosol cans
J	166m E	SEESA, Sellindge Convertor Station Church Lane ASHFORD Kent TN25 6AF	EPR/PF0605FP/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
J	172m E	SEESA, Sellindge Convertor Station Church Lane ASHFORD Kent TN25 6AF	EPR/YF0905GV/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
13	235m NW	-	WEX345474	Storing waste exemption	On a farm	Storage of sludge
K	315m E	Hogben Farm Church Lane ASHFORD Kent TN25 7EH	EPR/XH0972HY/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
K	315m E	Hogben Farm Church Lane ASHFORD Kent TN25 7EH	EPR/XH0972HY/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
15	324m W	-	WEX350887	Storing waste exemption	On a farm	Storage of sludge
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX290782	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX290782	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX290782	Disposing of waste exemption	On a farm	Burning waste in the open
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX152051	Disposing of waste exemption	On a Farm	Deposit of waste from dredging of inland waters
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX152051	Using waste exemption	On a Farm	Spreading of plant matter to confer benefit
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX028611	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX028611	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX152051	Disposing of waste exemption	On a Farm	Burning waste in the open
L	396m E	HOGBEN FARM, CHURCH LANE, ALDINGTON, ASHFORD, TN25 7EH	WEX028611	Disposing of waste exemption	On a farm	Burning waste in the open

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	40

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on page 49 >

ID	Location	Company	Address	Activity	Category
1	On site	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
A	On site	Pumping Station	Kent, TN25	Water Pumping Stations	Industrial Features

ID	Location	Company	Address	Activity	Category
A	**On site**	**Sewage Pumping Station**	**Kent, TN25**	**Waste Storage, Processing and Disposal**	**Infrastructure and Facilities**
3	8m SE	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
E	9m SW	J Wanstall Sons	Bank Farm, Bank Road, Aldington, Kent, TN25 7DF	Fish, Meat and Poultry Products	Foodstuffs
E	9m SW	P M Engineering Kent Ltd	Bank Farm, Bank Road, Aldington, Kent, TN25 7DF	Industrial Engineers	Engineering Services
5	16m E	Electricity Sub Station	Kent, TN25	Electrical Features	Infrastructure and Facilities
6	16m SE	J & J Services	Goldwell Farm, Goldwell Lane, Aldington, Kent, TN25 7DX	Agricultural Contractors	Contract Services
7	18m SE	Resource Rail	Goldwell Court, Goldwell Lane, Aldington, Kent, TN25 7DX	Railway Companies and Information	Transport, Storage and Delivery
F	24m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
F	36m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
G	40m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
8	41m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
F	44m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
G	46m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
F	47m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
F	67m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
G	67m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
10	70m NE	Mast (Telecommunication)	Kent, TN25	Telecommunications Features	Infrastructure and Facilities
G	73m E	Sewage Treatment Works	Kent, TN25	Waste Storage, Processing and Disposal	Infrastructure and Facilities
G	74m E	Works	Kent, TN25	Unspecified Works Or Factories	Industrial Features
G	74m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
11	76m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
G	92m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
G	96m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
G	109m E	Slurry Tank	Kent, TN25	Waste Storage, Processing and Disposal	Infrastructure and Facilities
G	112m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
G	124m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
G	130m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
14	138m E	Partridge Farm - Solar Photovoltaics (BEIS)	Church Lane, Aldington, -, Kent, TN25	Energy Production	Industrial Features
G	140m E	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
16	165m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
17	173m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
18	189m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
20	194m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
21	195m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
22	205m S	Pumping Station	Kent, TN25	Water Pumping Stations	Industrial Features
23	206m SE	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities
24	208m S	Aldington Fire Station	Aldington Fire Station, Roman Road, Aldington, Kent, TN25 7DJ	Fire Brigade Stations	Central and Local Government
25	214m E	Pylon	Kent, TN25	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	22

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on page 49 >

ID	Location	Cable Set	Cable Route	Details	
2	On site	BIPOLE 2 400KV CABLE	SELLINDGE 400KV S/S ICB ASSETS	Cable Make: - Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1986 Cable in tunnel? Not specified
B	On site	BAKG8 - SELL8 3 CABLE 33 SECTION 02	SELLINDGE - BAKERS GAP 3 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	On site	BAKG8 - SELL8 4 CABLE 43 SECTION 02	SELLINDGE - BAKERS GAP 4 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	On site	BAKG8 - SELL8 4 CABLE 44 SECTION 02	SELLINDGE - BAKERS GAP 4 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	On site	BAKG8 - SELL8 3 CABLE 34 SECTION 02	SELLINDGE - BAKERS GAP 3 (BIPOLE 2)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	On site	BAKG8 - SELL8 2 CABLE 21 SECTION 02	SELLINDGE - BAKERS GAP 2 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? No
B	On site	BAKG8 - SELL8 2 CABLE 22 SECTION 02	SELLINDGE - BAKERS GAP 2 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified
B	On site	BAKG8 - SELL8 1 CABLE 11 SECTION 02	SELLINDGE - BAKERS GAP 1 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? No
B	On site	BAKG8 - SELL8 1 CABLE 12 SECTION 02	SELLINDGE - BAKERS GAP 1 (BIPOLE 1)	Cable Make: - Cable Type: D/C Operating Voltage (kV): 275	Year of installation: 1986 Cable in tunnel? Not specified

ID	Location	Cable Set	Cable Route	Details	
C	**On site**	**BAKG8 - SELL8 3 CABLE 34 SECTION 01**	**SELLINDGE - BAKERS GAP 3 (BIPOLE 2)**	**Cable Make: - Cable Type: D/C Operating Voltage (kV): 275**	**Year of installation: 1986 Cable in tunnel? Not specified**
C	**On site**	**BAKG8 - SELL8 4 CABLE 43 SECTION 01**	**SELLINDGE - BAKERS GAP 4 (BIPOLE 2)**	**Cable Make: - Cable Type: D/C Operating Voltage (kV): 275**	**Year of installation: 1986 Cable in tunnel? Not specified**
C	**On site**	**BAKG8 - SELL8 1 CABLE 11 SECTION 01**	**SELLINDGE - BAKERS GAP 1 (BIPOLE 1)**	**Cable Make: - Cable Type: D/C Operating Voltage (kV): 275**	**Year of installation: 1986 Cable in tunnel? No**
C	**On site**	**BAKG8 - SELL8 2 CABLE 21 SECTION 01**	**SELLINDGE - BAKERS GAP 2 (BIPOLE 1)**	**Cable Make: - Cable Type: D/C Operating Voltage (kV): 275**	**Year of installation: 1986 Cable in tunnel? No**
C	**On site**	**BAKG8 - SELL8 3 CABLE 33 SECTION 01**	**SELLINDGE - BAKERS GAP 3 (BIPOLE 2)**	**Cable Make: - Cable Type: D/C Operating Voltage (kV): 275**	**Year of installation: 1986 Cable in tunnel? Not specified**
C	**On site**	**BAKG8 - SELL8 4 CABLE 44 SECTION 01**	**SELLINDGE - BAKERS GAP 4 (BIPOLE 2)**	**Cable Make: - Cable Type: D/C Operating Voltage (kV): 275**	**Year of installation: 1986 Cable in tunnel? Not specified**
C	**On site**	**BAKG8 - SELL8 2 CABLE 22 SECTION 01**	**SELLINDGE - BAKERS GAP 2 (BIPOLE 1)**	**Cable Make: - Cable Type: D/C Operating Voltage (kV): 275**	**Year of installation: 1986 Cable in tunnel? Not specified**
C	**On site**	**BAKG8 - SELL8 1 CABLE 12 SECTION 01**	**SELLINDGE - BAKERS GAP 1 (BIPOLE 1)**	**Cable Make: - Cable Type: D/C Operating Voltage (kV): 275**	**Year of installation: 1986 Cable in tunnel? No**
I	73m E	CANTERBURY NORTH 2 400KV CABLE 1	SELLINDGE 400KV S/S	Cable Make: BICC 400KV OIL Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1984 Cable in tunnel? Not specified
J	77m E	DUNGENESS 1 400KV CABLE	SELLINDGE 400KV S/S	Cable Make: BICC 400KV OIL Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1984 Cable in tunnel? Not specified
I	77m E	CANTERBURY NORTH 1 400KV CABLE	SELLINDGE 400KV S/S	Cable Make: BICC 400KV OIL Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1984 Cable in tunnel? Not specified
J	86m E	DUNGENESS 2 400KV CABLE 1	SELLINDGE 400KV S/S	Cable Make: BICC 400KV OIL Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1984 Cable in tunnel? Not specified
12	101m E	BIPOLE 1 400KV CABLE	SELLINDGE 400KV S/S ICB ASSETS	Cable Make: - Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1986 Cable in tunnel? Not specified

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	0

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

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	26

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 49 >**

ID	Location	Address	Details	
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 3 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/01/2006 Effective Date: 09/01/2006 Revocation Date: 17/04/2006
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 4 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 18/04/2006 Effective Date: 18/04/2006 Revocation Date: 31/03/2009
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 5 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 21/12/2012
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 6 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/03/2010 Effective Date: 22/12/2012 Revocation Date: 21/11/2013
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 5 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 21/12/2012
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 2 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/11/1989 Effective Date: 09/11/1989 Revocation Date: 08/01/2006

ID	Location	Address	Details	
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 4 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 18/04/2006 Effective Date: 18/04/2006 Revocation Date: 31/03/2009
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 1 Receiving Water: EAST STOUR RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 17/06/1985 Effective Date: 17/06/1985 Revocation Date: 08/11/1989
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 6 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/03/2010 Effective Date: 22/12/2012 Revocation Date: 21/11/2013
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 7 Receiving Water: THE EAST STOUR RIVER	Status: VARIED UNDER EPR 2010 Issue date: 22/11/2013 Effective Date: 22/11/2013 Revocation Date: 25/02/2021
D	On site	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 8 Receiving Water: THE EAST STOUR RIVER	Status: VARIED UNDER EPR 2010 Issue date: 26/02/2021 Effective Date: 26/02/2021 Revocation Date: -
D	2m E	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 7 Receiving Water: THE EAST STOUR RIVER	Status: VARIED UNDER EPR 2010 Issue date: 22/11/2013 Effective Date: 22/11/2013 Revocation Date: 25/02/2021

ID	Location	Address	Details	
D	2m E	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: A00533 Permit Version: 8 Receiving Water: THE EAST STOUR RIVER	Status: VARIED UNDER EPR 2010 Issue date: 26/02/2021 Effective Date: 26/02/2021 Revocation Date: -
F	16m E	SELLINDGE CONVERTER STATION, SELLINDGE CONVERTER STATION, CHURCH LANE, SELLINDGE, KENT, TN25 6AF	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: P04849 Permit Version: 3 Receiving Water: THE EAST STOUR	Status: SURRENDERED UNDER EPR 2010 Issue date: 26/10/2007 Effective Date: 26/10/2007 Revocation Date: 13/11/2012
F	16m E	SELLINDGE CONVERTER STATION, SELLINDGE CONVERTER STATION, CHURCH LANE, SELLINDGE, KENT, TN25 6AF	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: P04849 Permit Version: 1 Receiving Water: FRESHWATER STREAM OR RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 26/07/1993 Effective Date: 26/07/1993 Revocation Date: 28/09/1999
F	16m E	C.E.G.B.CONVERTER STATION, C.E.G.B.CONVERTER STATION, CHURCH LANE, SELLINDGE, ASHFORD KENT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: W02035 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 20/02/1984 Effective Date: 20/02/1984 Revocation Date: 26/07/1993
F	16m E	SELLINDGE CONVERTER STATION, SELLINDGE CONVERTER STATION, CHURCH LANE, SELLINDGE, KENT, TN25 6AF	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: P04849 Permit Version: 2 Receiving Water: THE EAST STOUR	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 26/07/1993 Effective Date: 28/09/1999 Revocation Date: 25/10/2007
F	30m E	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 1 Receiving Water: EAST STOUR RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 17/06/1985 Effective Date: 17/06/1985 Revocation Date: 08/11/1989
F	30m E	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 3 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/01/2006 Effective Date: 09/01/2006 Revocation Date: 17/04/2006

ID	Location	Address	Details	
F	30m E	SELLINDGE WWTW, CHURCH LANE, SELLINDGE, KENT, TN25 6AG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: A00533 Permit Version: 2 Receiving Water: EAST STOUR RIVER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/11/1989 Effective Date: 09/11/1989 Revocation Date: 08/01/2006
H	69m E	BALFOUR BEATTY MAJOR PROJECTS, BALFOUR BEATTY MAJOR PROJECTS, CTRL 440, EAST KENT SITE OFFICES, CHURCH LANE SELLINDGE, ASHFORD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P07808 Permit Version: 2 Receiving Water: FRESHWATER RIVER	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 17/12/1999 Effective Date: 17/12/1999 Revocation Date: 20/06/2003
H	69m E	BALFOUR BEATTY MAJOR PROJECTS, BALFOUR BEATTY MAJOR PROJECTS, CTRL 440 EAST KENT SITE OFFICES, CHURCH LANE, SELLINDGE, ASHFORD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P07808 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/08/1999 Effective Date: 20/08/1999 Revocation Date: 17/12/1999
19	193m E	BALFOUR BEATTY MAJOR PROJECTS, BALFOUR BEATTY MAJOR PROJECTS, CTRL 440 EAST KENT SITE OFFICES, CHURCH LANE, SELLINDGE, ASHFORD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P07808 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/08/1999 Effective Date: 20/08/1999 Revocation Date: 17/12/1999
26	243m W	RED BARN FARM, LAWS LANE, MERSHAM, ASHFORD, KENT, TN25 7HG	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRGB3498RT Permit Version: 1 Receiving Water: DITCH TRIB OF MARSHLAND SEWER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 14/08/2017 Effective Date: 14/08/2017 Revocation Date: -
29	442m SW	ST CATHERINE, ST CATHERINE, FRITH ROAD, ALDINGTON, KENT, TN25 7HQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P03704 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 13/09/1991 Effective Date: 13/09/1991 Revocation Date: 31/03/1997
31	470m NE	APPLE BOOKING COMPANY LIMITED, APPLE BOOKING COMPANY LIMITED, APPLE BARN, SMEETH, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P04486 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 22/09/1992 Effective Date: 22/09/1992 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	1

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 49 >**

ID	Location	Name	Status	Receiving Water	Authorised Substances
F	16m E	Sellindge Converter Station	Active	None	pH

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	14

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

Features are displayed on the Current industrial land use map on **page 49 >**

ID	Location	Details	
4	9m SE	Incident Date: 20/11/2002 Incident Identification: 122079 Pollutant: Organic Chemicals/Products Pollutant Description: Pesticides and Biocides	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	12m SW	Incident Date: 17/09/2002 Incident Identification: 108522 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
9	52m N	Incident Date: 12/08/2002 Incident Identification: 99497 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
K	86m E	Incident Date: 21/08/2001 Incident Identification: 25796 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	86m E	Incident Date: 21/08/2001 Incident Identification: 25796 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
13	117m E	Incident Date: 27/07/2023 Incident Identification: 2174777 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 1 (Major) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
15	152m SE	Incident Date: 25/09/2002 Incident Identification: 110534 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
27	251m S	Incident Date: 06/11/2001 Incident Identification: 41450 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
28	290m E	Incident Date: 02/04/2003 Incident Identification: 148095 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	303m E	Incident Date: 06/04/2002 Incident Identification: 69377 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)

ID	Location	Details	
L	303m E	Incident Date: 06/04/2002 Incident Identification: 69377 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)
M	328m E	Incident Date: 02/08/2008 Incident Identification: 610217 Pollutant: Sewage Materials Pollutant Description: Sludge	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
M	328m E	Incident Date: 02/08/2008 Incident Identification: 610217 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
30	469m W	Incident Date: 05/03/2001 Incident Identification: 8076 Pollutant: Sewage Materials Pollutant Description: Other Sewage Material	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.

4.19 Pollution inventory substances

Records within 500m	0

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.

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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.

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

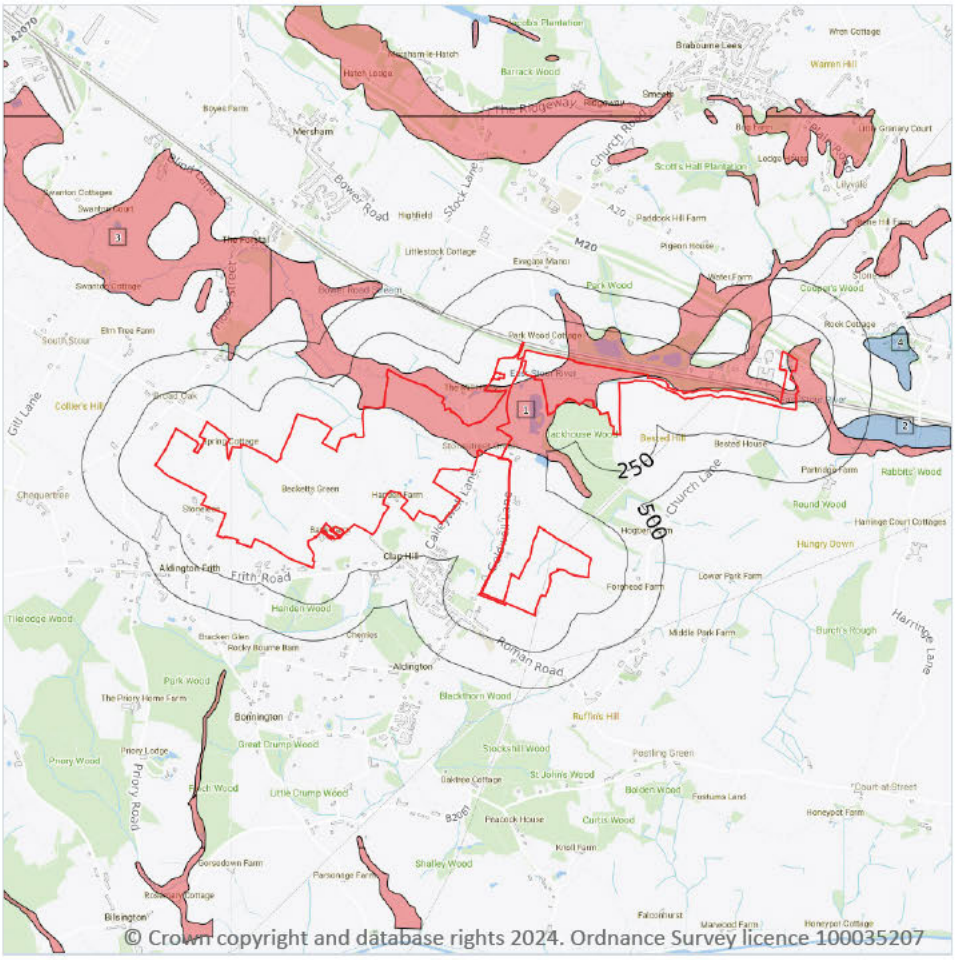
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

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

5.1 Superficial aquifer

Records within 500m	4

Aquifer status of groundwater held within superficial geology.

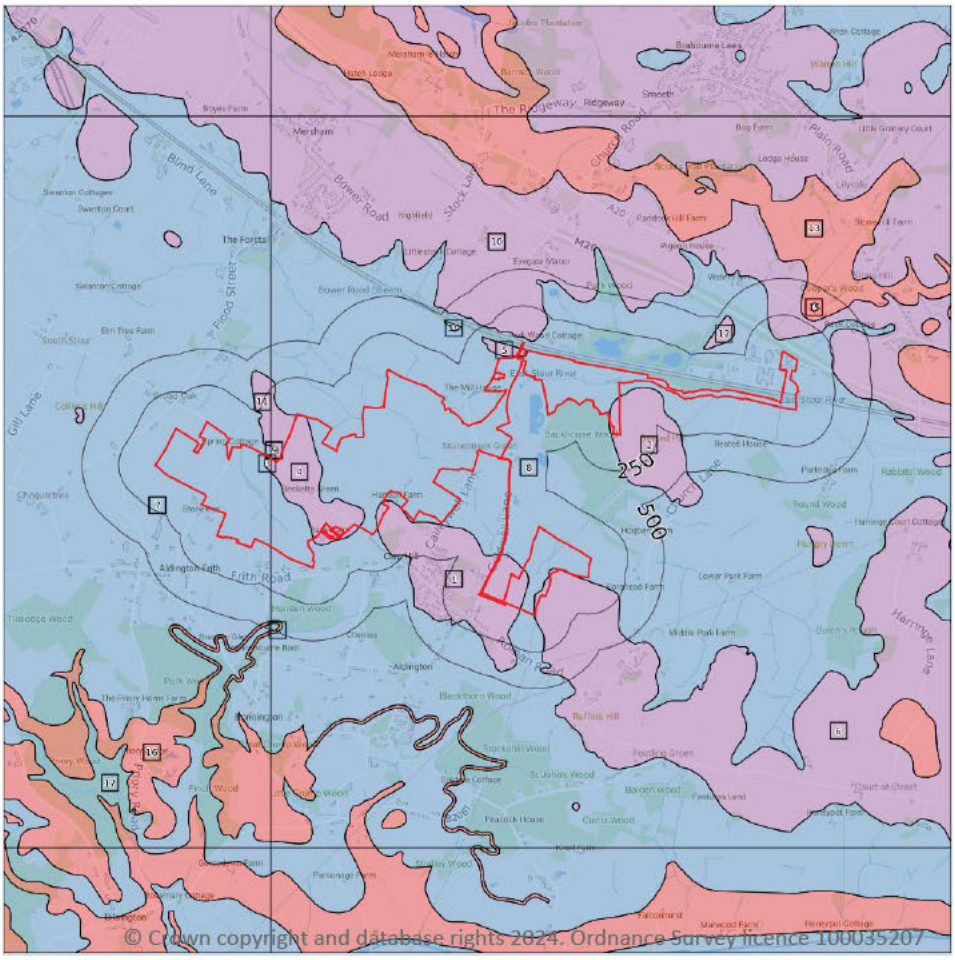
Features are displayed on the Hydrogeology map on page 64 >

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	313m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	449m 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
4	465m E	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



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	19

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on page 66 >

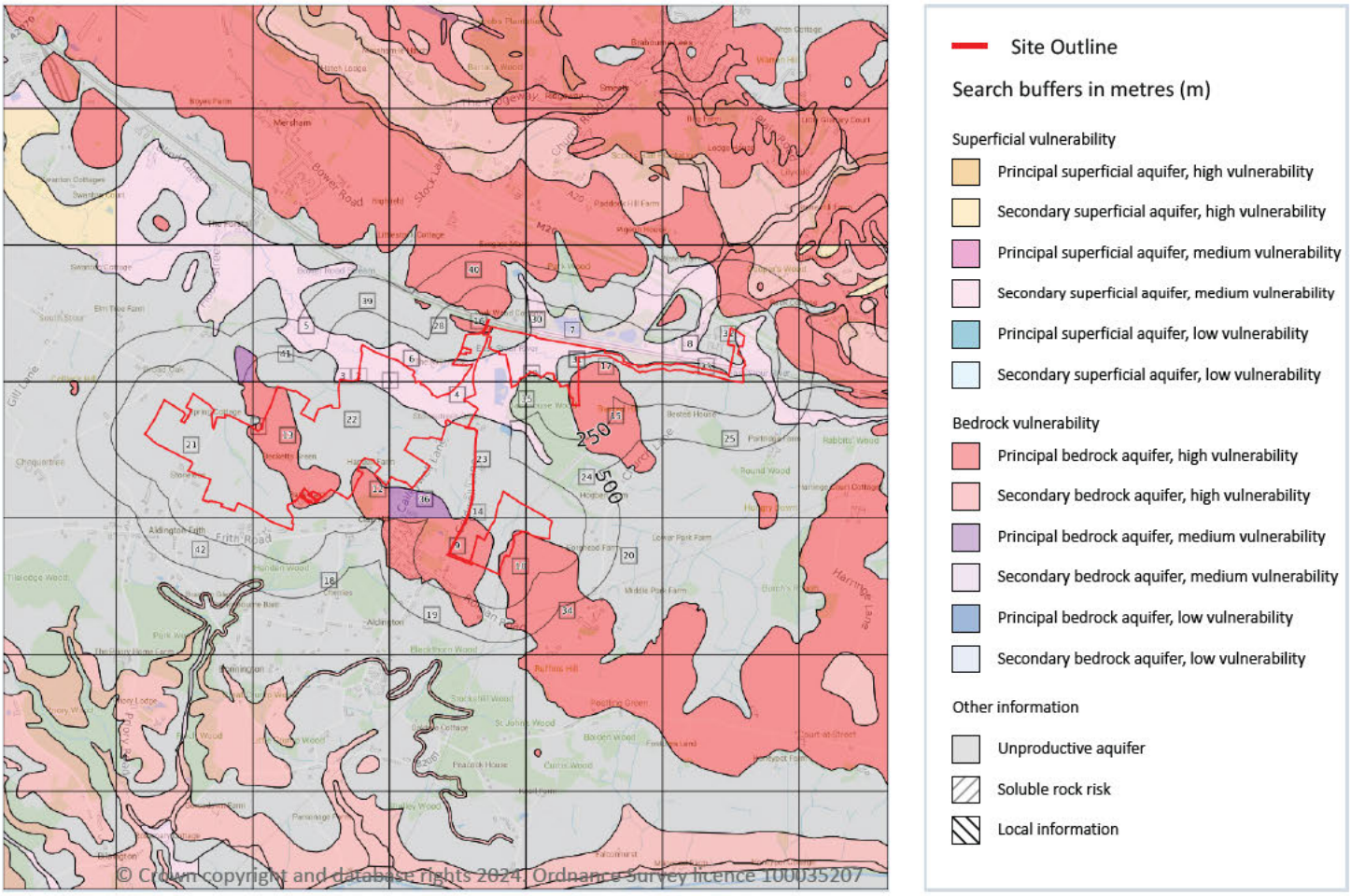
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	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**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
8	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
9	15m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
10	30m NE	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
11	62m W	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
12	277m E	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
13	278m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
14	338m NE	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
15	343m E	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
A	424m 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
A	445m SW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
16	445m 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
17	464m SW	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.

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	42

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 69 >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
6	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
7	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
8	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
9	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
10	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
11	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
12	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
13	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
14	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
15	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
16	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
17	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
18	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
19	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
20	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
21	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
22	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
23	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
24	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
25	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
26	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
27	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
28	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
29	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
30	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
31	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
32	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
33	**On site**	**Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures**
34	**On site**	**Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures**
35	3m E	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
36	9m SE	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
37	14m W	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
38	28m SE	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
39	28m N	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
40	29m NE	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
41	29m NW	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
42	49m SW	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

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

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

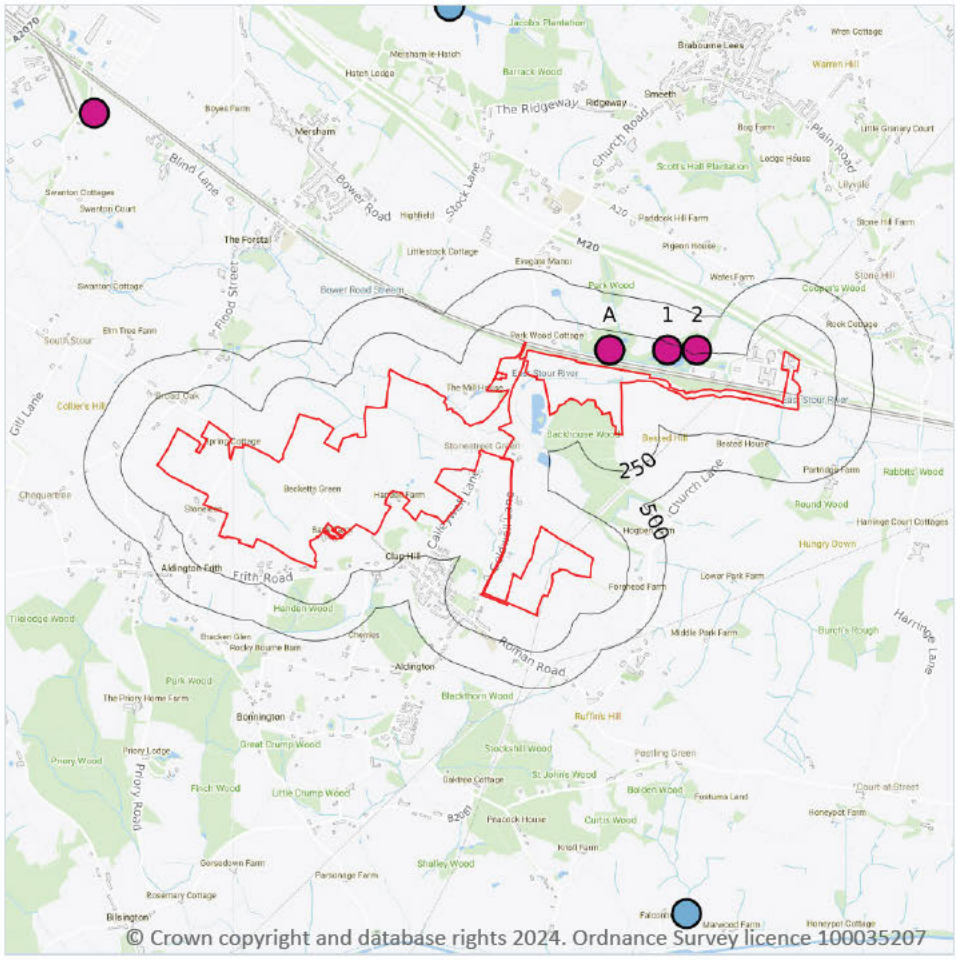
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



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)

5.6 Groundwater abstractions

Records within 2000m	4

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 79 >

ID	Location	Details	
A	118m NE	Status: Historical Licence No: 11/060 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT D, UNLINED POND AT SELLINGE, KENT Data Type: Point Name: Balfour Beatty Ltd Easting: 607300 Northing: 138400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 02/06/2000 Expiry Date: 31/10/2001 Issue No: 2 Version Start Date: 02/06/2000 Version End Date: -
A	118m NE	Status: Historical Licence No: 11/060 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT C, UNLINED POND AT SELLINGE, KENT Data Type: Point Name: Balfour Beatty Ltd Easting: 607300 Northing: 138400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 02/06/2000 Expiry Date: 31/10/2001 Issue No: 2 Version Start Date: 02/06/2000 Version End Date: -
1	204m NE	Status: Historical Licence No: 11/060 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT B, UNLINED POND AT SELLINGE, KENT Data Type: Point Name: Balfour Beatty Ltd Easting: 607700 Northing: 138400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 02/06/2000 Expiry Date: 31/10/2001 Issue No: 2 Version Start Date: 02/06/2000 Version End Date: -
2	274m E	Status: Historical Licence No: 11/060 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT A, UNLINED POND AT SELLINGE, KENT Data Type: Point Name: Balfour Beatty Ltd Easting: 607900 Northing: 138400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 02/06/2000 Expiry Date: 31/10/2001 Issue No: 2 Version Start Date: 02/06/2000 Version End Date: -

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

5.7 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.

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	0

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

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

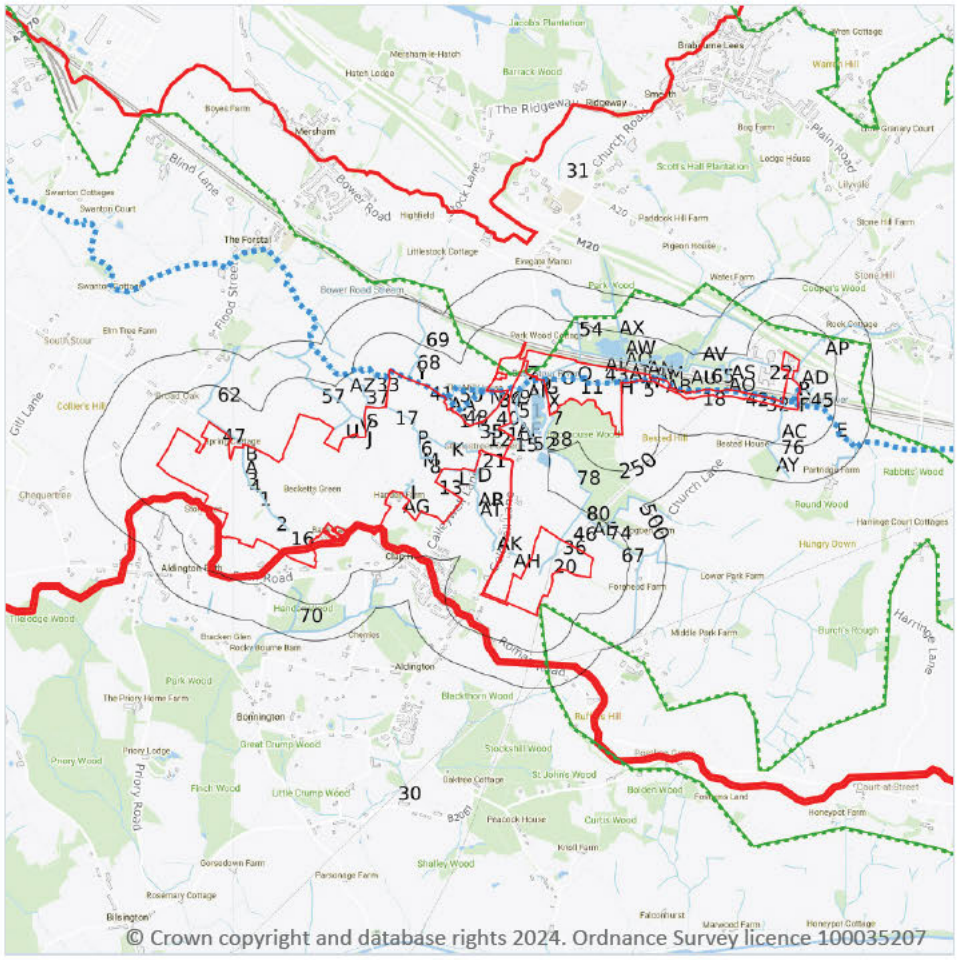
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m	173

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 82 >

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

ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	On site	Inland river not influenced by normal tidal action.	Not provided	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)	East Stour River
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.	Not provided	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.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
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.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
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.	On ground surface	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)	-
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.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
19	On site	Inland river not influenced by normal tidal action.	Not provided	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	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
22	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River

ID	Location	Type of water feature	Ground level	Permanence	Name
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	Not provided	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)	East Stour River
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)	East Stour River
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
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)	East Stour River
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
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)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
G	On site	Inland river not influenced by normal tidal action.	Not provided	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)	East Stour River
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
I	On site	Lake, loch or reservoir.	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)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
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)	-
P	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
Q	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
Q	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
32	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
33	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
34	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
35	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	1m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	1m 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
36	1m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
37	1m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
V	1m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
38	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
40	2m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	2m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
41	2m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
42	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
X	2m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	3m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
43	3m NE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
Q	3m 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
Y	3m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
45	3m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Z	3m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AA	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AA	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AB	4m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AA	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
N	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
N	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	4m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AC	4m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AD	5m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	5m 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
AD	5m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
46	6m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
47	6m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AF	6m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AD	9m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AD	9m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
48	13m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AA	13m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
N	21m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
N	21m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AB	21m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	23m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AG	25m 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
AD	28m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
50	31m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
AG	34m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	40m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	47m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
51	50m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	53m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	53m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
52	55m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	59m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
Q	62m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	62m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	63m 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
Q	63m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	64m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	64m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	66m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	66m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	66m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	66m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	66m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	67m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AL	67m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AM	68m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	69m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	69m 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
AH	70m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	70m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	70m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AO	71m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AJ	71m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	73m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
54	74m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	79m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AH	81m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	84m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Stour River
57	85m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	86m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AP	87m 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
AB	87m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AQ	89m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AS	98m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AM	102m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AT	102m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
62	105m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AR	107m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AU	121m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AV	121m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AT	125m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AO	132m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AO	133m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
65	134m 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
AT	146m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
67	167m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
68	172m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
69	175m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
70	181m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AE	201m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AW	202m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
74	207m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AW	208m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AX	208m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
76	214m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
78	218m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AY	218m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
80	232m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AZ	232m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AZ	236m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	57

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 82 >

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	2

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 82 >

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
30	**On site**	**River**	**Romney Marsh between Appledore and West Hythe**	**GB107040019700**	**Reading Cradlebridge and RMC**	**Rother**
G	**On site**	**River**	**East Stour**	**GB107040019640**	**Stour Upper**	**Stour**

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

6.4 WFD Surface water bodies

Records identified	2

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 82 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
T	**On site**	**River**	**East Stour**	**GB107040019640** ↗	**Moderate**	**Fail**	**Moderate**	**2019**
-	2362m S	River	Romney Marsh between Appledore and West Hythe	GB107040019700 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	1

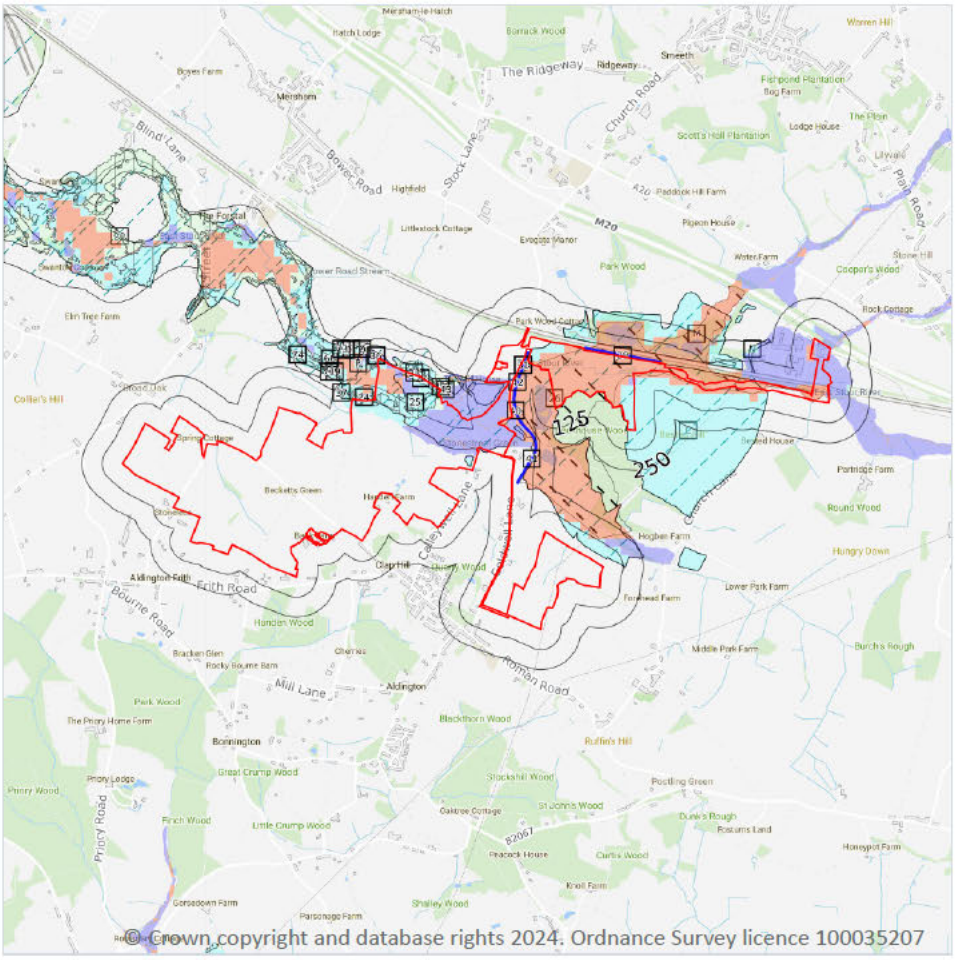
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 82 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
31	**On site**	**Kent Greensand Eastern**	**GB40701G501400** ↗	**Poor**	**Poor**	**Poor**	**2019**

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

7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m	46

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 98 >

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

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

7.2 Historical Flood Events

Records within 250m	**9**

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 98 >

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
22	**On site**	**07311a300_Mar1974_Stour_Kingsnorth**	**1974-03-01 1974-03-01**	**Unknown**	**Unknown**	**Fluvial**
A	**On site**	**07309a200_Nov2000_Upper_Stour**	**2000-11-05 2000-11-08**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
A	**On site**	**07309a200feo_Upper_Stour**	**2001-02-11 2001-02-11**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
C	**On site**	**07309a200_Nov2000_Upper_Stour**	**2000-11-05 2000-11-08**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
C	**On site**	**07309a200feo_Upper_Stour**	**2001-02-11 2001-02-11**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
M	42m NE	07309a200_Nov2000_Upper_Stour	2000-11-05 2000-11-08	Main river	Channel capacity exceeded (no raised defences)	Fluvial
M	42m NE	07309a200feo_Upper_Stour	2001-02-11 2001-02-11	Main river	Channel capacity exceeded (no raised defences)	Fluvial
N	53m E	07309a200_Nov2000_Upper_Stour	2000-11-05 2000-11-08	Main river	Channel capacity exceeded (no raised defences)	Fluvial
N	53m E	07309a200feo_Upper_Stour	2001-02-11 2001-02-11	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

7.3 Flood Defences

Records within 250m	5

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.

Features are displayed on the River and coastal flooding map on page 98 >

ID	Location	Update
29	4m NE	08/11/2022
31	6m NE	08/11/2022
40	26m NE	08/11/2022
41	26m E	08/11/2022
42	26m NE	08/11/2022

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	31

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.

Features are displayed on the River and coastal flooding map on page 98 >

ID	Location	
23	**On site**	**Area benefiting from flood defences**
24	**On site**	**Area benefiting from flood defences**
25	**On site**	**Area benefiting from flood defences**
D	**On site**	**Area benefiting from flood defences**
E	4m N	Area benefiting from flood defences
33	7m N	Area benefiting from flood defences
B	7m N	Area benefiting from flood defences
F	7m N	Area benefiting from flood defences
34	7m NE	Area benefiting from flood defences

ID	Location	
I	8m NE	Area benefiting from flood defences
G	9m N	Area benefiting from flood defences
D	10m N	Area benefiting from flood defences
36	10m N	Area benefiting from flood defences
I	10m NE	Area benefiting from flood defences
D	11m N	Area benefiting from flood defences
37	14m NW	Area benefiting from flood defences
H	25m NE	Area benefiting from flood defences
43	29m NE	Area benefiting from flood defences
J	38m NE	Area benefiting from flood defences
K	70m N	Area benefiting from flood defences
K	89m N	Area benefiting from flood defences
P	95m N	Area benefiting from flood defences
Q	108m N	Area benefiting from flood defences
Q	147m N	Area benefiting from flood defences
66	164m N	Area benefiting from flood defences
T	168m N	Area benefiting from flood defences
69	190m NW	Area benefiting from flood defences
70	199m N	Area benefiting from flood defences
71	206m NW	Area benefiting from flood defences
73	231m N	Area benefiting from flood defences
74	244m NW	Area benefiting from flood defences

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

7.5 Flood Storage Areas

Records within 250m	1

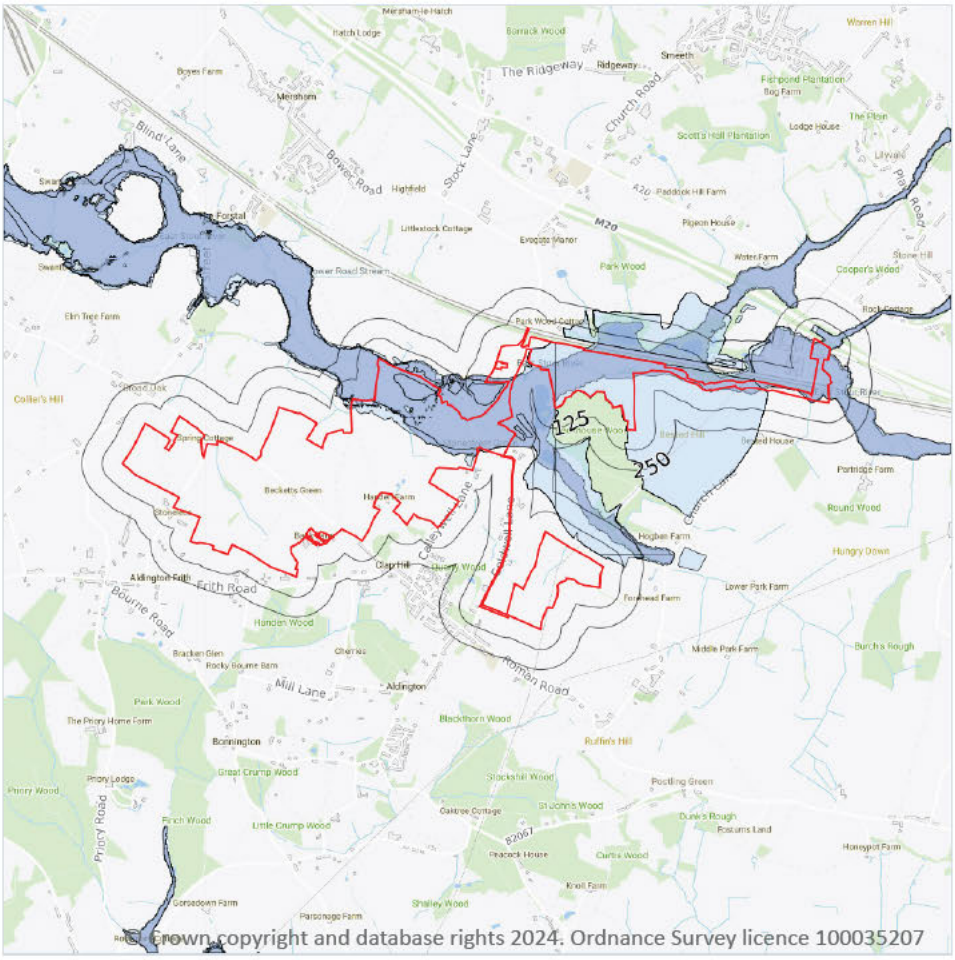
Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

Features are displayed on the River and coastal flooding map on page 98 >

ID	Location	Update
26	**On site**	**Flood Storage Area**

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

River and coastal flooding - Flood Zones



7.6 Flood Zone 2

Records within 50m	1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on page 98 >

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

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

7.7 Flood Zone 3

Records within 50m	1

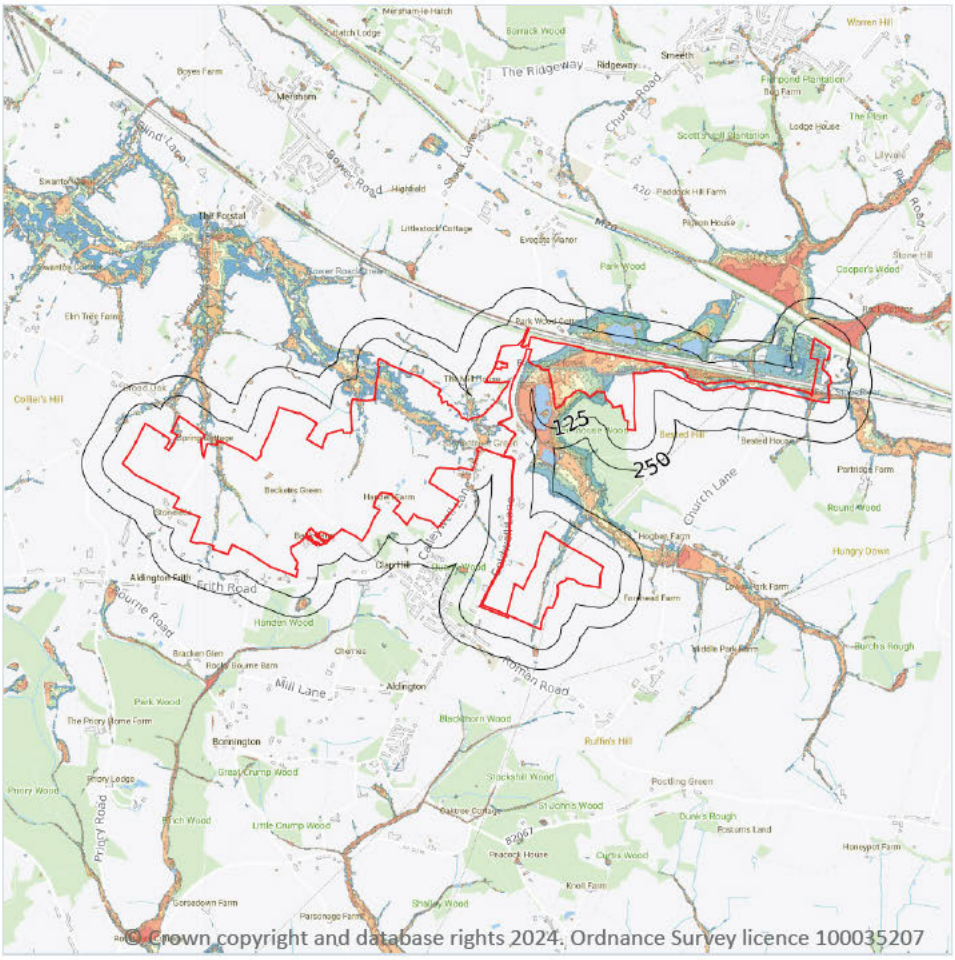
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 98 >**

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

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

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site	**1 in 30 year, Greater than 1.0m**
Highest risk within 50m	**1 in 30 year, Greater than 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on page 105 >

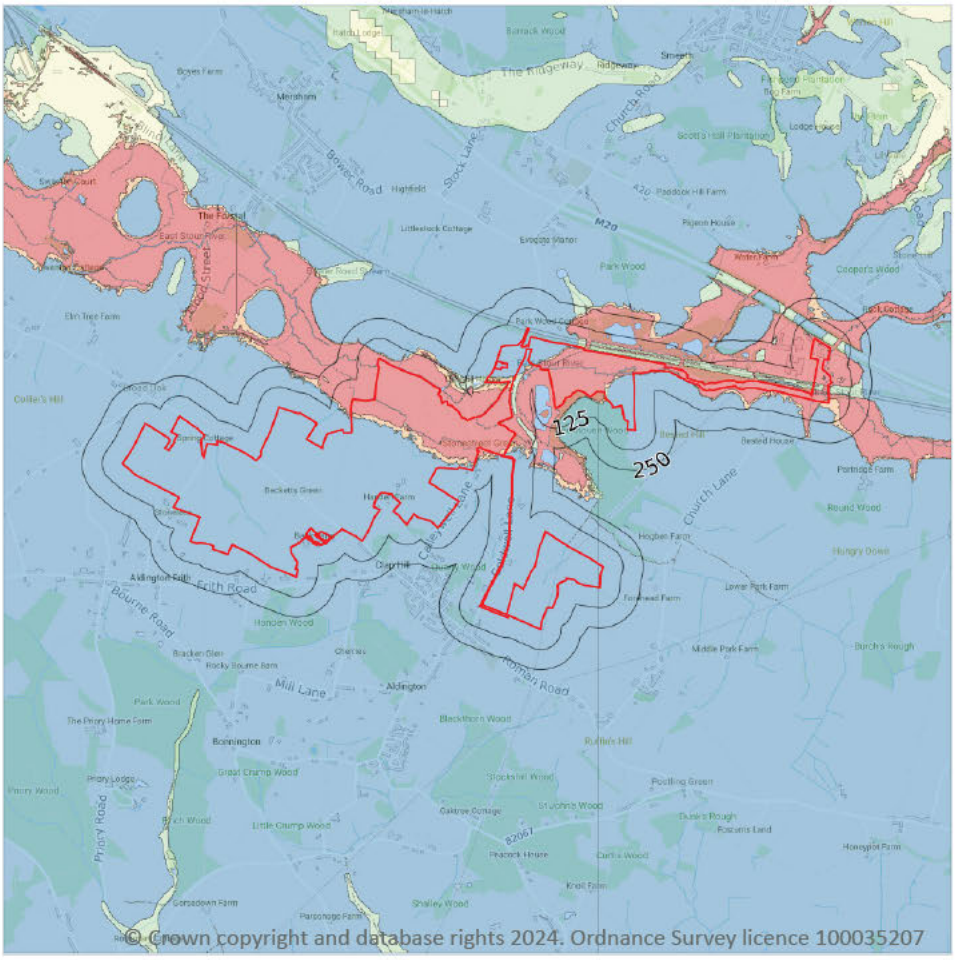
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on

a site. The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

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

9.1 Groundwater flooding

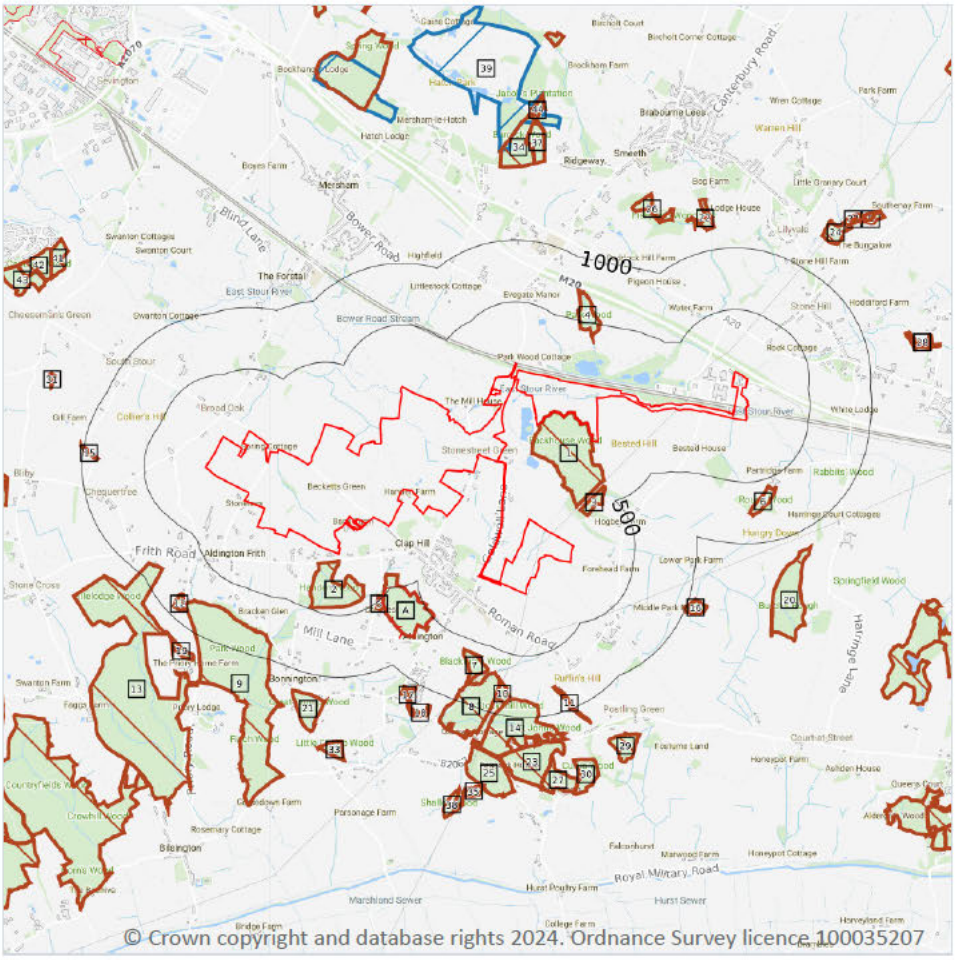
Highest risk on site	**High**
Highest risk within 50m	**High**

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 107 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	1

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 108 >

ID	Location	Name	Data source
39	1734m N	Hatch Park	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on page 108 >

ID	Location	Name	Data source
A	470m S	Poulton Wood, Aldington	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	46

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 108 >

ID	Location	Name	Woodland Type
1	0m E	Unknown	Ancient Replanted Woodland
2	62m SW	Unknown	Ancient Replanted Woodland
3	270m E	Unknown	Ancient Replanted Woodland
A	390m S	Unknown	Ancient & Semi-Natural Woodland
4	391m NE	Unknown	Ancient & Semi-Natural Woodland
5	467m S	Unknown	Ancient & Semi-Natural Woodland
6	563m E	Unknown	Ancient & Semi-Natural Woodland
7	593m S	Unknown	Ancient & Semi-Natural Woodland
8	684m SE	Unknown	Ancient & Semi-Natural Woodland
9	719m SW	Unknown	Ancient & Semi-Natural Woodland
10	729m SE	Unknown	Ancient & Semi-Natural Woodland

ID	Location	Name	Woodland Type
11	785m SE	Unknown	Ancient & Semi-Natural Woodland
12	815m SW	Unknown	Ancient & Semi-Natural Woodland
13	840m W	Unknown	Ancient & Semi-Natural Woodland
14	854m SE	Unknown	Ancient & Semi-Natural Woodland
15	875m W	Unknown	Ancient & Semi-Natural Woodland
16	990m SE	Unknown	Ancient & Semi-Natural Woodland
17	1033m S	Unknown	Ancient & Semi-Natural Woodland
18	1121m S	Unknown	Ancient & Semi-Natural Woodland
19	1135m SW	Unknown	Ancient & Semi-Natural Woodland
20	1150m E	Unknown	Ancient & Semi-Natural Woodland
21	1161m SW	Unknown	Ancient & Semi-Natural Woodland
22	1166m NE	Unknown	Ancient & Semi-Natural Woodland
23	1209m SE	Unknown	Ancient & Semi-Natural Woodland
24	1292m NE	Unknown	Ancient & Semi-Natural Woodland
25	1303m S	Unknown	Ancient & Semi-Natural Woodland
26	1324m NE	Unknown	Ancient Replanted Woodland
27	1330m SE	Unknown	Ancient & Semi-Natural Woodland
28	1333m E	Unknown	Ancient & Semi-Natural Woodland
29	1358m SE	Unknown	Ancient & Semi-Natural Woodland
30	1401m SE	Unknown	Ancient & Semi-Natural Woodland
31	1405m W	Unknown	Ancient & Semi-Natural Woodland
32	1491m NE	Unknown	Ancient & Semi-Natural Woodland
B	1509m NE	Unknown	Ancient & Semi-Natural Woodland
33	1518m S	Unknown	Ancient & Semi-Natural Woodland
34	1593m N	Unknown	Ancient & Semi-Natural Woodland
B	1600m NE	Unknown	Ancient & Semi-Natural Woodland
35	1600m S	Unknown	Ancient & Semi-Natural Woodland
36	1609m W	Unknown	Ancient & Semi-Natural Woodland

ID	Location	Name	Woodland Type
37	1626m N	Unknown	Ancient Replanted Woodland
38	1661m S	Unknown	Ancient & Semi-Natural Woodland
-	1843m W	Unknown	Ancient & Semi-Natural Woodland
41	1871m NW	Unknown	Ancient & Semi-Natural Woodland
42	1889m NW	Unknown	Ancient & Semi-Natural Woodland
43	1893m NW	Unknown	Ancient & Semi-Natural Woodland
44	1926m N	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

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

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

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

10.11 Green Belt

Records within 2000m	0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas.

The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

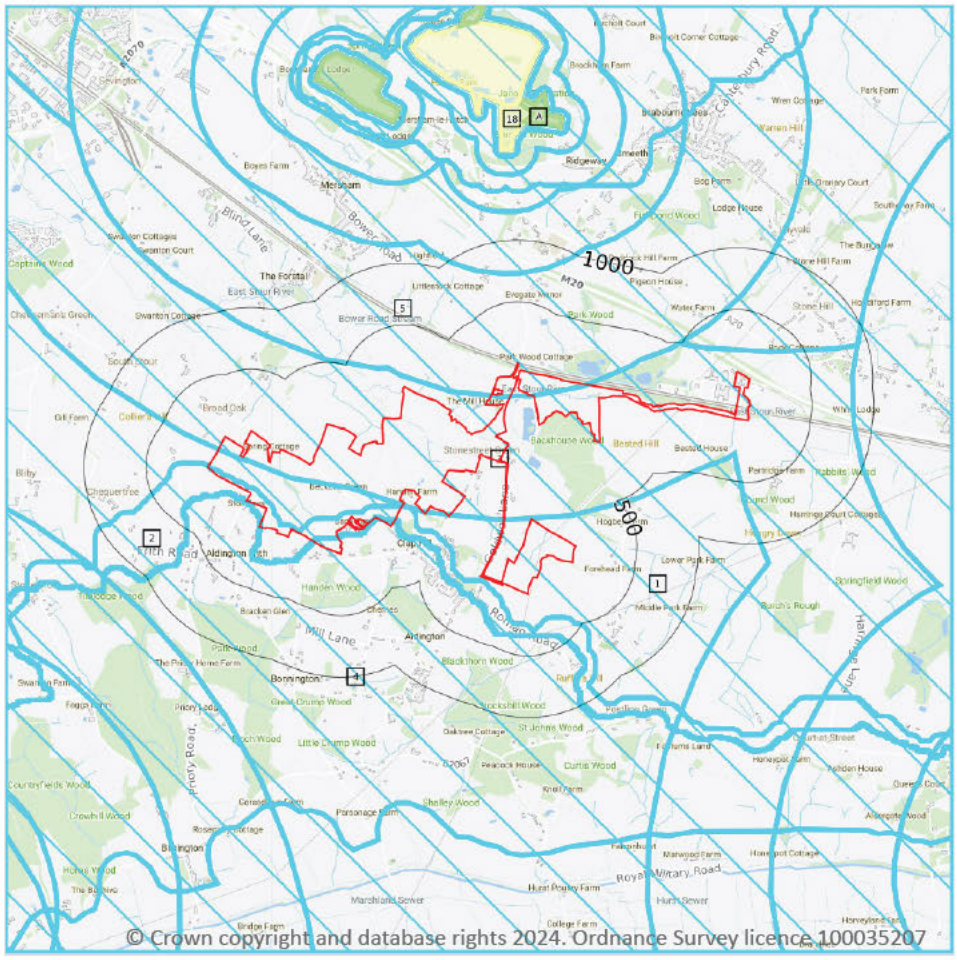
Records within 2000m	4

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	**R. GREAT STOUR NVZ**	**Surface Water**	**515**	**Existing**
218m W	R. GREAT STOUR NVZ	Surface Water	515	Existing
672m N	Maidstone	Groundwater	64	Existing
728m SE	R. GREAT STOUR NVZ	Surface Water	515	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

10.17 SSSI Impact Risk Zones

Records on site	5

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 115 >

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.
2	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.
3	On site	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.
4	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t. Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.

ID	Location	Type of developments requiring consultation
5	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more. Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	2

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 115 >

ID: 18
Location: 1734m N
SSSI name: Hatch Park
Unit name: S15. Barrack Wood West
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Not Recorded	01/01/1900
Invert. assemblage A212 bark and sapwood decay	Not Recorded	01/01/1900
Invert. assemblage A213 fungal fruiting body	Not Recorded	01/01/1900

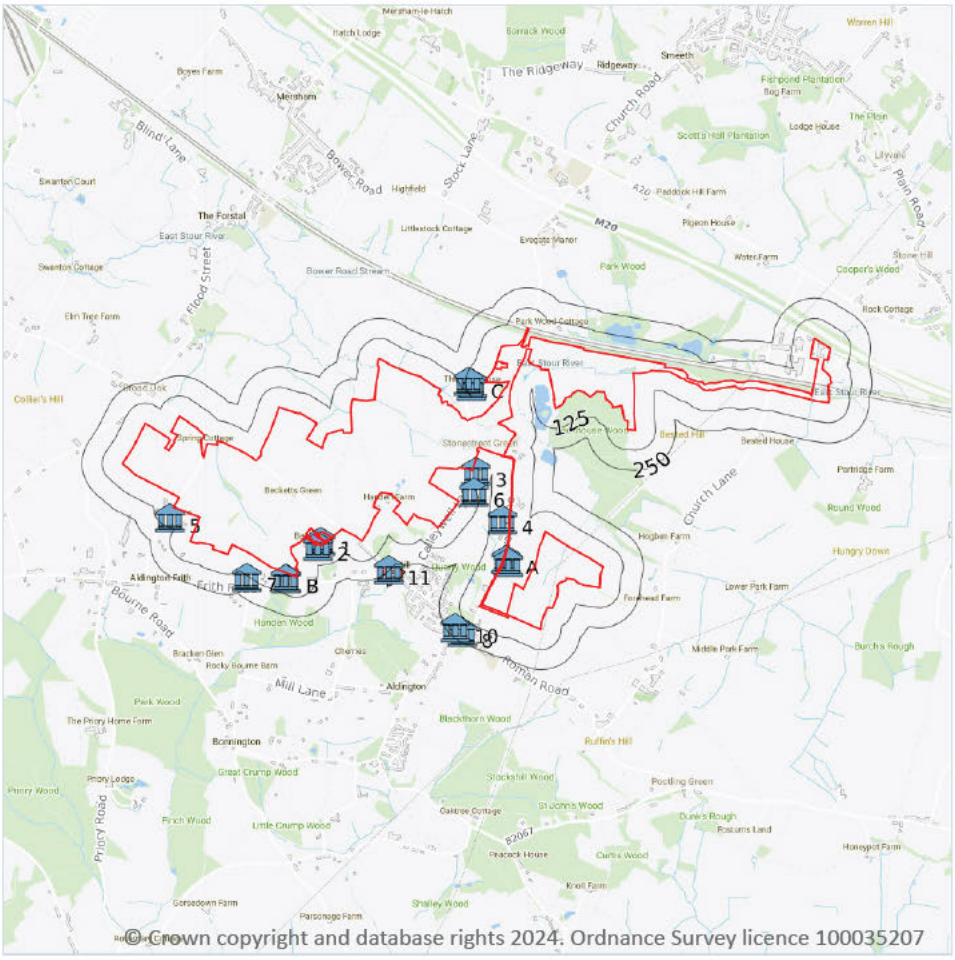
Feature name	Feature condition	Date of assessment
Invert. assemblage W211 open water on disturbed sediments	Not Recorded	01/01/1900
Lichen assemblage	Not Recorded	01/01/1900
Lowland mixed deciduous woodland	Unfavourable - Recovering	02/05/2008

ID: A
Location: 1944m NE
SSSI name: Hatch Park
Unit name: S15. Barrack Wood East
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Not Recorded	01/01/1900
Invert. assemblage A212 bark and sapwood decay	Not Recorded	01/01/1900
Invert. assemblage A213 fungal fruiting body	Not Recorded	01/01/1900
Invert. assemblage W211 open water on disturbed sediments	Not Recorded	01/01/1900
Lichen assemblage	Not Recorded	01/01/1900
Lowland mixed deciduous woodland	Not Recorded	01/01/1900

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

11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m	0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

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

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

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

11.4 Listed Buildings

Records within 250m	17

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 119 >

ID	Location	Name	Grade	Reference Number	Listed date
1	7m SW	Bank Farmhouse And Walls Attached	II	1362752	10/08/1988
2	9m SW	Barn And 2 Stable Ranges Attached, About 20 Metres North Of Bank Farmhouse	II	1071248	10/08/1988
A	16m SE	Stable/Outhouse About 10 Metres North Of Goldwell	II	1362780	10/08/1988
3	25m E	The Old Cottage	II	1071249	14/04/1986
A	29m SE	Goldwell	II	1184459	10/08/1988

ID	Location	Name	Grade	Reference Number	Listed date
B	31m SW	Quested's Cottage	II	1184383	10/08/1988
B	36m SW	Hand Pump About 5 Metres West Of Quested's Cottage	II	1071219	10/08/1988
4	44m SE	Symnells And Walled Forecourt	II	1184484	13/10/1952
5	67m W	Stonelees	II*	1233761	27/11/1957
C	86m NE	Evegate Millhouse	II	1185369	10/08/1988
C	91m NE	Evegate Mill	II	1071180	10/08/1988
C	107m NE	Stable/Outbuilding About 20 Yards North West Of Evegate Mill House	II	1185387	10/08/1988
6	113m E	Symnel Cottage	II	1362753	14/03/1986
7	133m SW	Goodwin Farmhouse	II	1300136	10/08/1988
8	194m SE	Belarica Cottage Beulah	II	1071226	10/08/1988
10	200m S	Walnut Tree Inn	II	1300164	13/10/1952
11	245m S	Clap Hill House Harold Cottages	II	1071216	10/08/1988

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

11.5 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 119 >

ID	Location	Name	District	Date of designation
9	194m S	Aldington - Clap Hill, Ashford	Ashford	11/07/1996

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

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

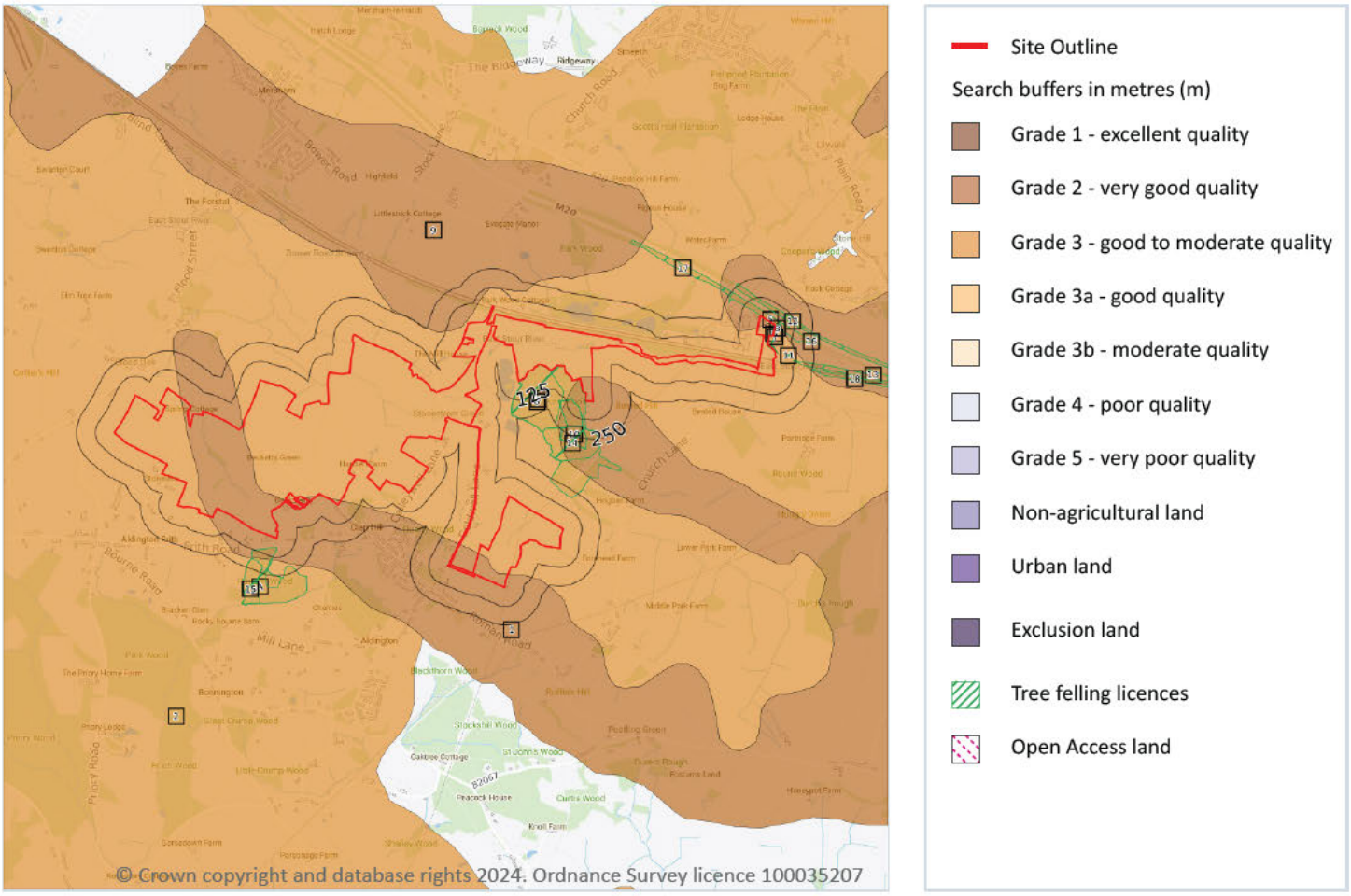
11.7 Registered Parks and Gardens

Records within 250m	0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

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

12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m	3

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 123 >

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.**
9	19m NE	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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.

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

12.3 Tree Felling Licences

Records within 250m	17

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 123 >

ID	Location	Description	Reference	Application date
3	**On site**	**Selective Fell/Thin (Conditional)**	**020/86/95-96**	-
4	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
5	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-

ID	Location	Description	Reference	Application date
6	0m E	Selective Fell/Thin (Unconditional)	019/585/17-18	-
7	5m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
8	16m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
10	61m E	Selective Fell/Thin (Conditional)	019/585/17-18	-
A	62m SW	Selective Fell/Thin (Conditional)	019/108/16-17	05/08/2016
11	63m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
12	67m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
13	122m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
A	135m SW	Selective Fell/Thin (Unconditional)	019/497/15-16	11/05/2016
14	165m E	Selective Fell/Thin (Conditional)	019/13/98-99	-
15	182m SW	Selective Fell/Thin (Unconditional)	019/497/15-16	11/05/2016
16	223m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
17	247m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
18	248m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	15

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

Location	Reference	Scheme	Start Date	End date
On site	**AG00498849**	**Entry Level plus Higher Level Stewardship**	**01/10/2013**	**30/09/2023**
On site	**AG00498849**	**Entry Level plus Higher Level Stewardship**	**01/10/2013**	**30/09/2023**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**

Location	Reference	Scheme	Start Date	End date
On site	**AG00387479**	**Entry Level plus Higher Level Stewardship**	**01/10/2011**	**30/09/2021**
3m E	AG00498849	Entry Level plus Higher Level Stewardship	01/10/2013	30/09/2023
60m SW	AG00387479	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021
62m SW	AG00424768	Entry Level plus Higher Level Stewardship	01/10/2012	30/09/2023
92m E	AG00498849	Entry Level plus Higher Level Stewardship	01/10/2013	30/09/2023
136m SW	AG00387479	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021
218m SW	AG00387479	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021
242m W	AG00387479	Entry Level plus Higher Level Stewardship	01/10/2011	30/09/2021

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

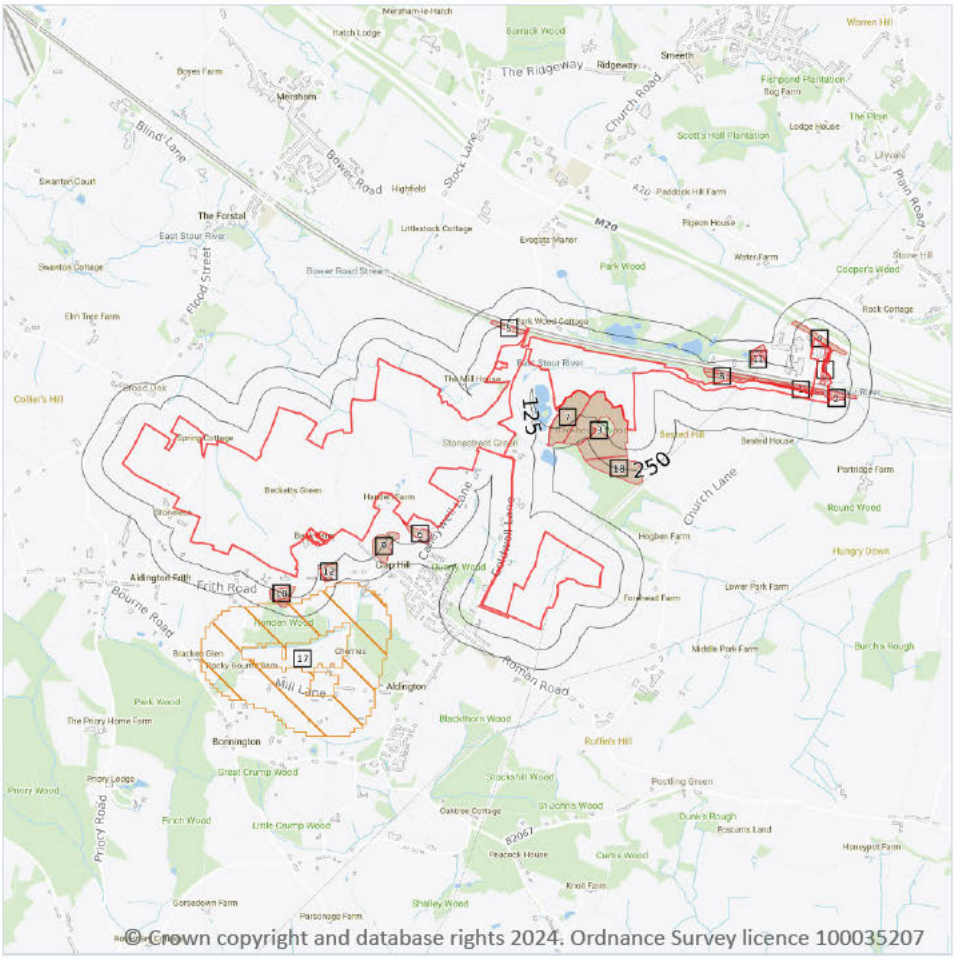
Records within 250m	6

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	**1363464**	**Countryside Stewardship (Middle Tier)**	**01/01/2023**	**31/12/2027**
0m E	626086	Countryside Stewardship (Higher Tier)	01/01/2019	31/12/2023
3m SE	800931	Countryside Stewardship (Higher Tier)	01/01/2020	31/12/2024
16m W	838465	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
142m SW	838465	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
151m N	1260822	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026

This data is sourced from Natural England.

13 Habitat designations



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

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

13.1 Priority Habitat Inventory

Records within 250m	23

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 127 >

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
6	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
B	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
B	**On site**	**No main habitat but additional habitats present**	**Additional: DWOOD (INV 50%)**
7	0m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	7m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	8m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	8m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	52m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	62m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	104m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	132m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	134m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	134m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	134m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	140m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	167m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m **1**

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 127 >

ID	Location	Type	Habitat
17	142m SW	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

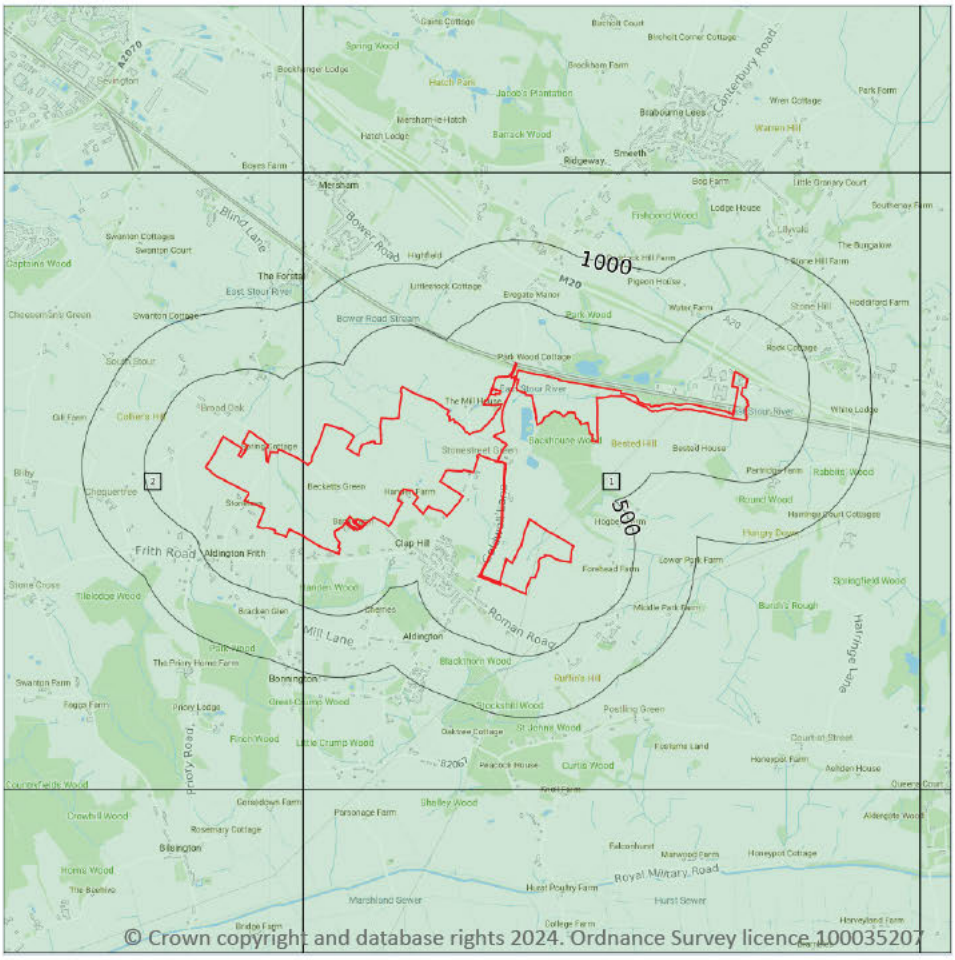
13.4 Limestone Pavement Orders

Records within 250m	0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m	2

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 130 >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	TR03NE
2	On site	No coverage	Full	Full	Full	TR03NW

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground

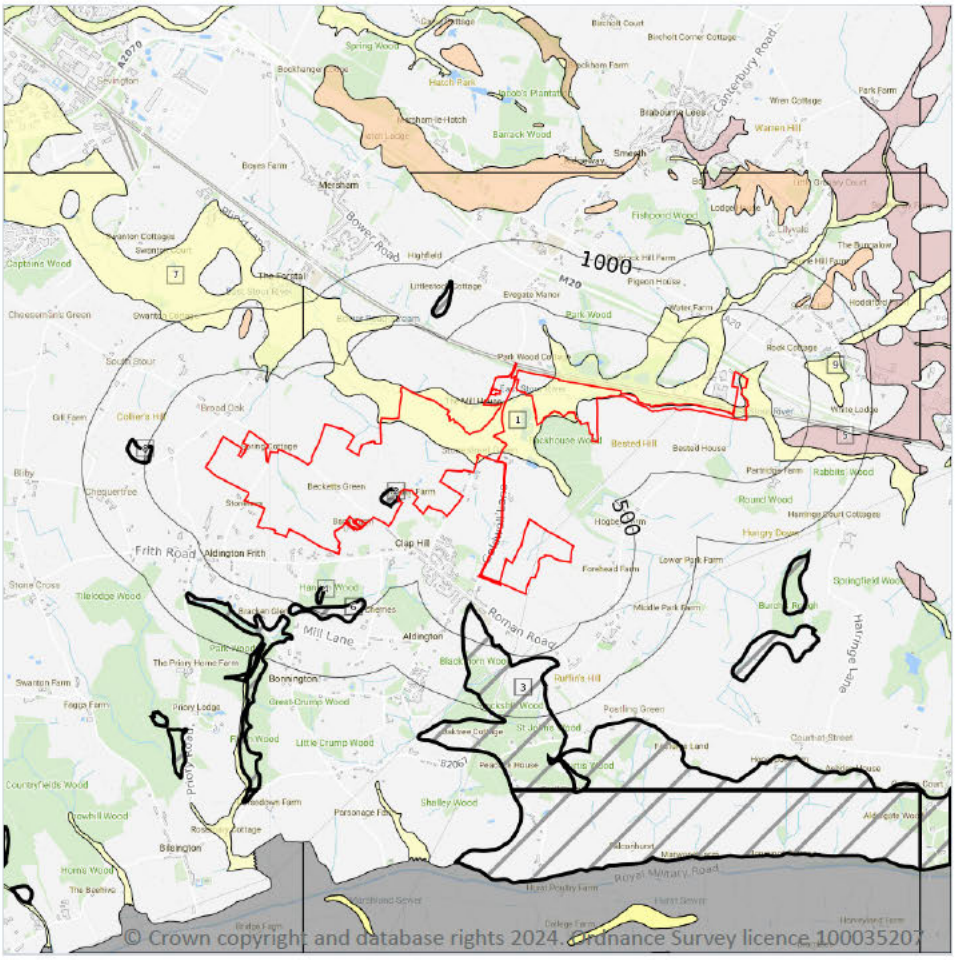
14.2 Artificial and made ground (10k)

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 4

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 132 >

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCZSV**	**Alluvium - Clay, Silt, Sand And Gravel**	**Clay, Silt, Sand And Gravel**
5	325m E	HEAD-XCZ	Head - Clay And Silt	Clay And Silt
7	419m NW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
9	475m E	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m	5

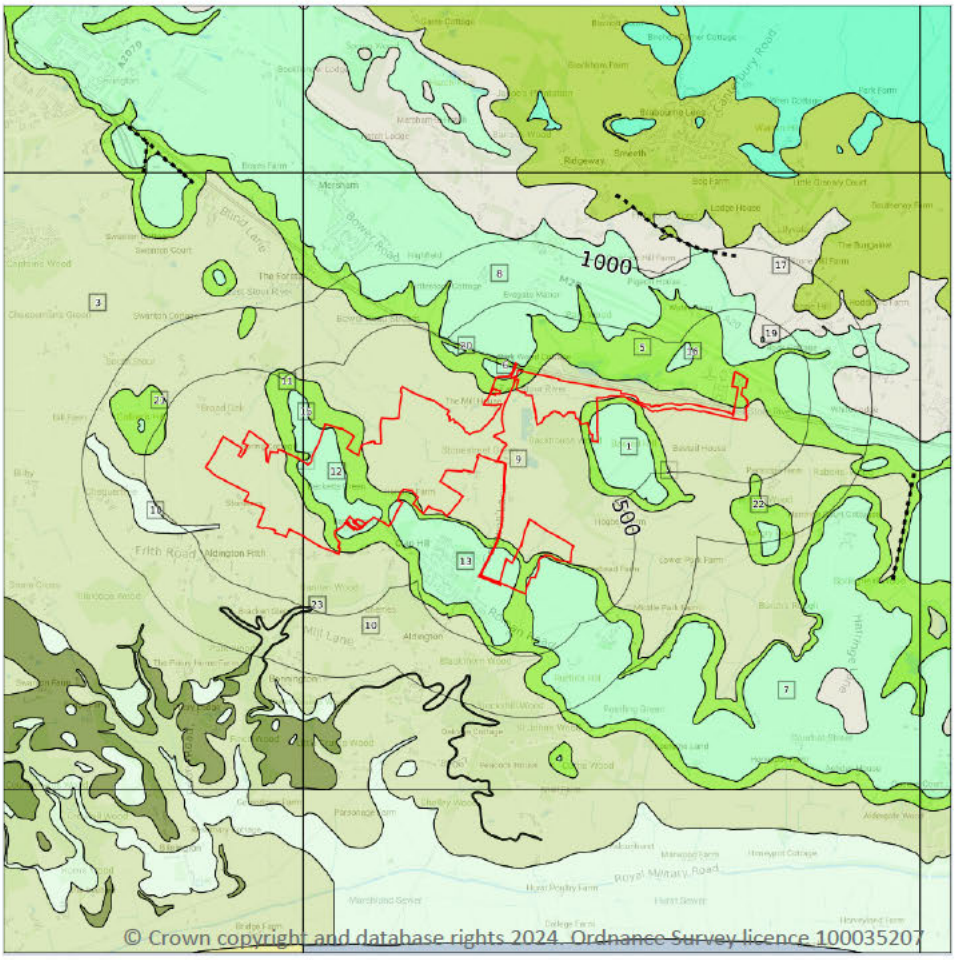
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

Features are displayed on the Geology 1:10,000 scale - Superficial map on page 132 >

ID	Location	LEX Code	Description	Rock description
2	**On site**	**SLIP-UKNOWN**	**Landslide Deposits**	**Unknown/unclassified Entry**
3	235m SE	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
4	302m SW	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
6	411m S	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
8	459m W	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry

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	24

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 134 >

ID	Location	LEX Code	Description	Rock age
1	On site	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
2	On site	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
3	On site	WC-MDST	Weald Clay Formation - Mudstone	Barremian Age - Hauterivian Age

ID	Location	LEX Code	Description	Rock age
4	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
5	**On site**	**AC-SAMDST**	**Atherfield Clay Formation - Sandy Mudstone**	**Aptian Age**
6	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
7	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
8	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
9	**On site**	**WC-MDST**	**Weald Clay Formation - Mudstone**	**Barremian Age - Hauterivian Age**
10	**On site**	**WC-MDST**	**Weald Clay Formation - Mudstone**	**Barremian Age - Hauterivian Age**
11	**On site**	**AC-SAMDST**	**Atherfield Clay Formation - Sandy Mudstone**	**Aptian Age**
12	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
13	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
14	6m W	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
15	45m W	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
16	261m E	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
17	267m E	SAB-SDSM	Sandgate Formation - Sandstone, Siltstone And Mudstone	Aptian Age
18	280m W	WC-SDST	Weald Clay Formation - Sandstone	Barremian Age - Hauterivian Age
19	317m E	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
20	324m NE	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
21	400m W	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
22	440m E	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
23	478m SW	WC-LMST	Weald Clay Formation - Limestone	Barremian Age - Hauterivian Age
24	488m SW	WC-MDST	Weald Clay Formation - Mudstone	Barremian Age - Hauterivian Age

This data is sourced from the British Geological Survey.

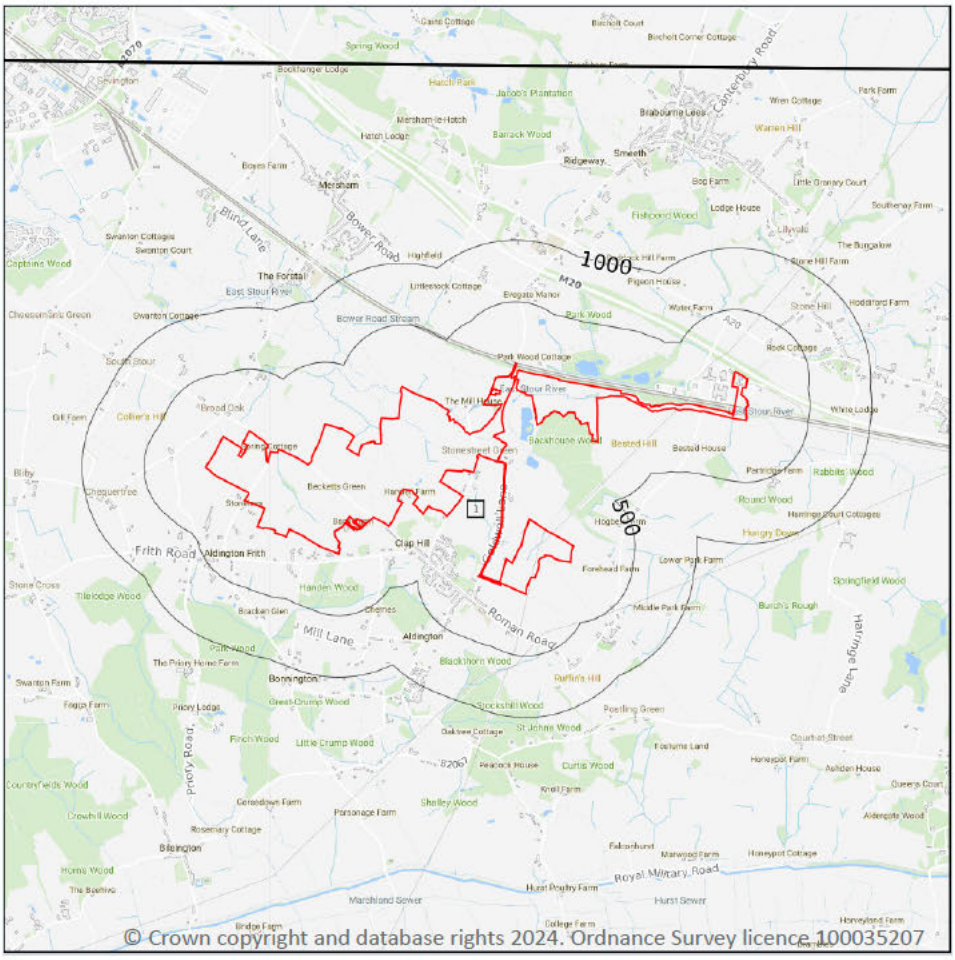
14.6 Bedrock faults and other linear features (10k)

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



15.1 50k Availability

Records within 500m	1

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 137 >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	EW305_306_folkestone_and_dover_v4

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m	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.

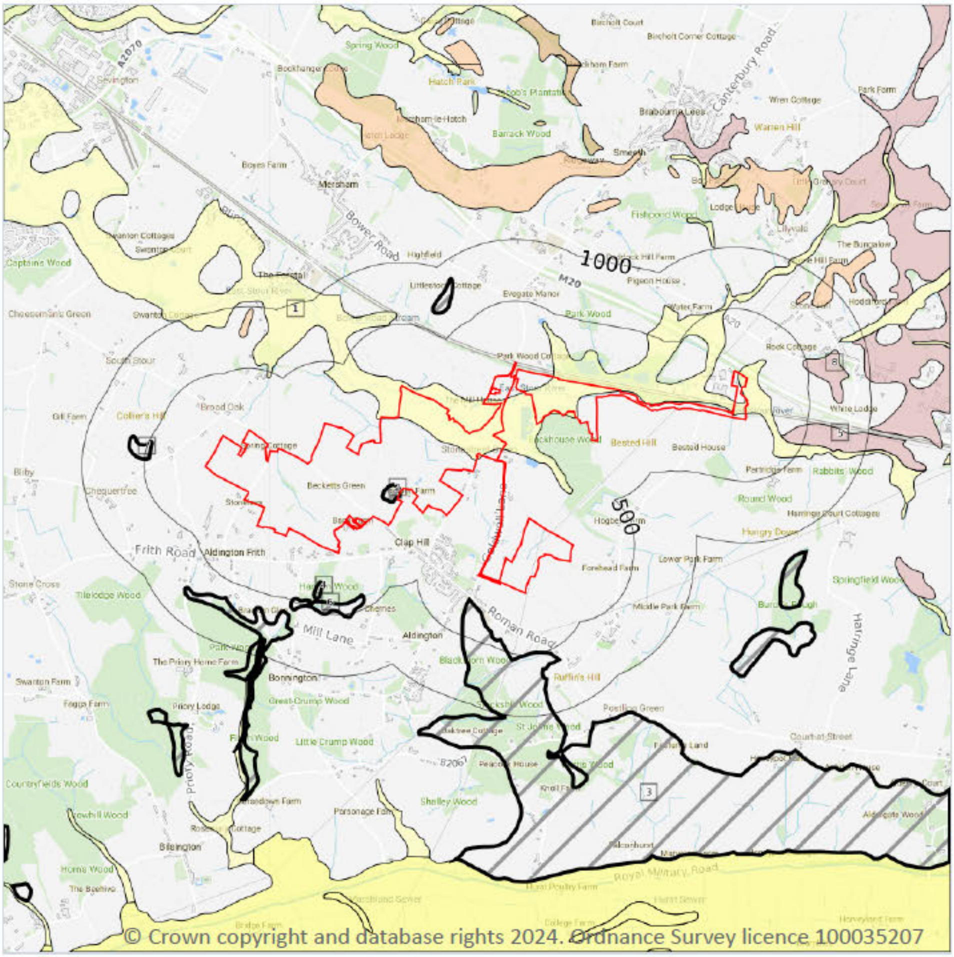
15.3 Artificial ground permeability (50k)

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	3

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 139 >

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCZSV**	**ALLUVIUM**	**CLAY, SILT, SAND AND GRAVEL**
5	313m E	HEAD-XCZ	HEAD	CLAY AND SILT
8	465m E	HEAD-XCZ	HEAD	CLAY AND SILT

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1

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**

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	5

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on page 139 >

ID	Location	LEX Code	Description	Rock description
2	**On site**	**SLIP-XCZS**	**LANDSLIDE DEPOSITS**	**CLAY, SILT AND SAND**
3	211m SE	SLIP-XCZS	LANDSLIDE DEPOSITS	CLAY, SILT AND SAND
4	275m SW	SLIP-XCZS	LANDSLIDE DEPOSITS	CLAY, SILT AND SAND
6	392m S	SLIP-XCZS	LANDSLIDE DEPOSITS	CLAY, SILT AND SAND
7	458m W	SLIP-XCZS	LANDSLIDE DEPOSITS	CLAY, SILT AND SAND

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

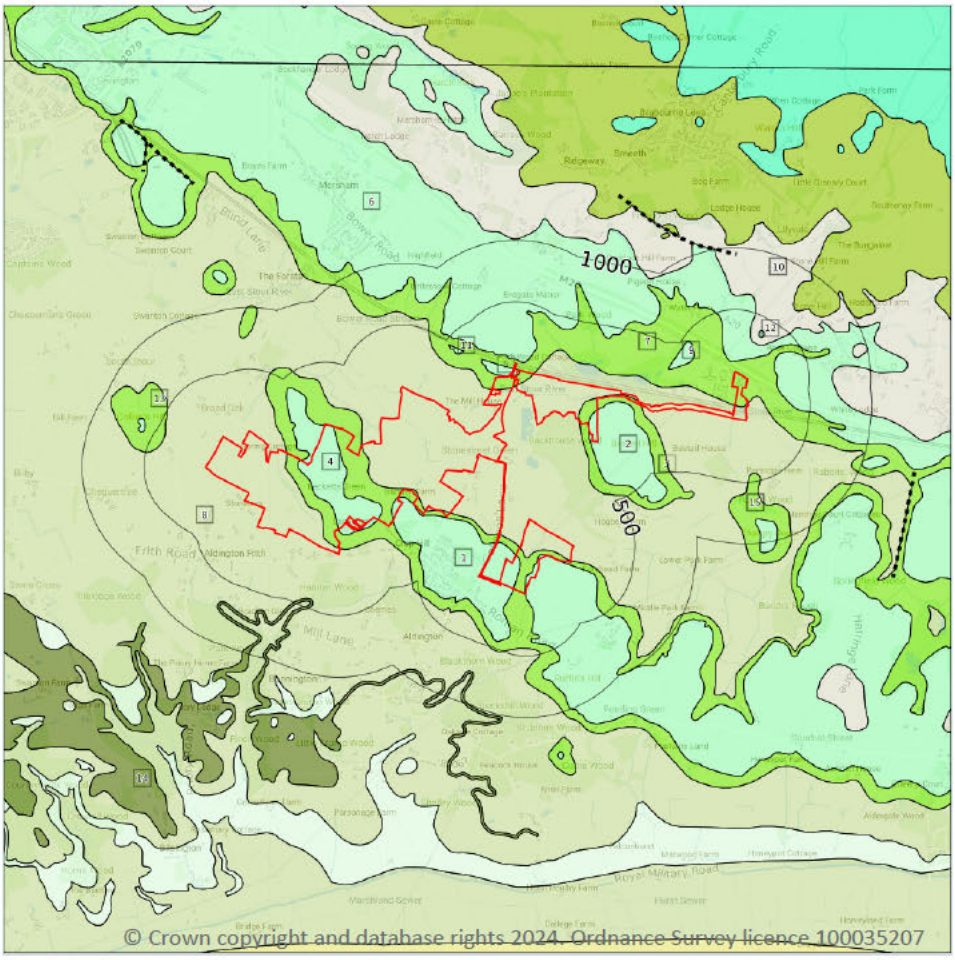
Records within 50m	1

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).

Flow type	Maximum permeability	Minimum permeability
Mixed	Moderate	Low

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	15

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 142 >

ID	Location	LEX Code	Description	Rock age
1	On site	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
2	On site	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
3	On site	AC-SAMDST	ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY	APTIAN

ID	Location	LEX Code	Description	Rock age
4	**On site**	**HY-SDLM**	**HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED**	**APTIAN**
5	**On site**	**HY-SDLM**	**HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED**	**APTIAN**
6	**On site**	**HY-SDLM**	**HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED**	**APTIAN**
7	**On site**	**AC-SAMDST**	**ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY**	**APTIAN**
8	**On site**	**WC-MDST**	**WEALD CLAY FORMATION - MUDSTONE**	**HAUTERIVIAN**
9	277m E	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
10	278m E	SAB-SDSM	SANDGATE FORMATION - SANDSTONE, SILTSTONE AND MUDSTONE	APTIAN
11	338m NE	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
12	343m E	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
13	406m W	AC-SAMDST	ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY	APTIAN
14	424m SW	WC-LMST	WEALD CLAY FORMATION - LIMESTONE	HAUTERIVIAN
15	431m E	AC-SAMDST	ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY	APTIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**
On site	**Fracture**	**Low**	**Very Low**

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Low**	**Very Low**
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
On site	**Mixed**	**High**	**High**
15m W	Fracture	Low	Very Low
30m NE	Mixed	High	High

This data is sourced from the British Geological Survey.

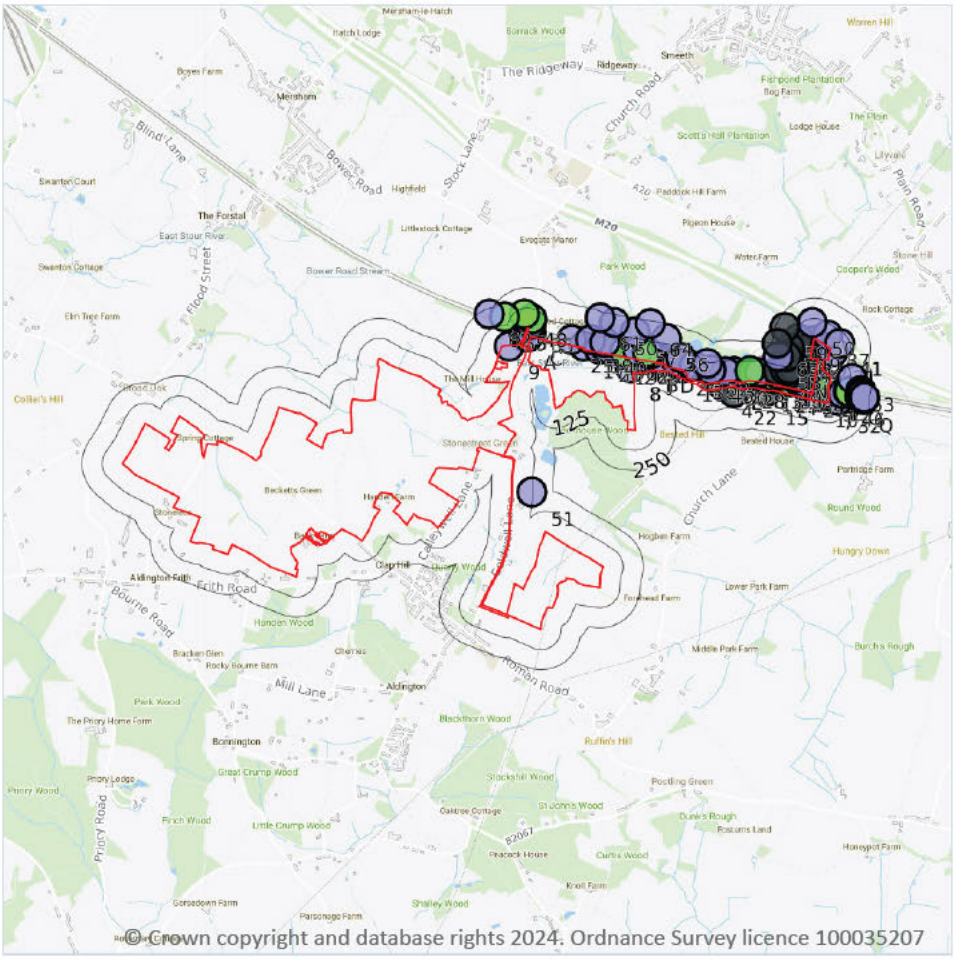
15.10 Bedrock faults and other linear features (50k)

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 **123**

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 145 >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	608523 138110	CHANNEL TUNNEL LINK D108	-	Y	N/A
2	On site	608520 138330	SELLINDGE 2000MW CROSS CHANNEL 406	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	**On site**	**608500 138380**	**BESTED SUBSTATION ASHFIELD 2**	**-**	**Y**	**N/A**
4	**On site**	**607930 138100**	**BESTED HILL CONVERTOR STN 4 ALDINGTON**	**-**	**Y**	**N/A**
5	**On site**	**608558 138082**	**CHANNEL TUNNEL RAIL LINK DS6316**	**7.7**	**N**	**15619023**
6	**On site**	**608589 138104**	**CHANNEL TUNNEL RAIL LINK TP6158**	**4.0**	**N**	**15614113**
7	**On site**	**608561 138031**	**CHANNEL TUNNEL RAIL LINK TP9743**	**4.0**	**N**	**15614172**
8	**On site**	**607360 138210**	**CHANNEL TUNNEL RAIL LINK DS6304**	**8.5**	**N**	**15619003**
9	**On site**	**606608 138345**	**CHANNEL TUNNEL RAIL LINK TP8610**	**4.0**	**N**	**15614146**
10	**On site**	**608509 138046**	**CHANNEL TUNNEL RAIL LINK TP9742**	**4.0**	**N**	**15614171**
A	**On site**	**606702 138400**	**CHANNEL TUNNEL RAIL LINK TP6136**	**4.0**	**N**	**15614107**
11	1m E	608500 138130	SELLINDGE 2000MW CROSS CHANNEL 204	-	Y	N/A
12	6m E	608595 138079	CHANNEL TUNNEL RAIL LINK SA9903	15.0	N	15619112
13	7m E	608510 138220	SELLINDGE 2000MW CROSS CHANNEL 404	-	Y	N/A
B	8m E	607462 138260	CHANNEL TUNNEL RAIL LINK DS6363	5.0	N	15619034
A	8m NE	606700 138420	SMEETH SUBSTATION MERSHAM	1.0	N	648978
14	9m E	608470 138280	SELLINDGE 2000MW CROSS CHANNEL 205	-	Y	N/A
15	10m E	608200 138060	BESTED HILL CONVERTOR STN 3 ALDINGTON	-	Y	N/A
B	11m E	607462 138263	CHANNEL TUNNEL RAIL LINK DS6362	5.7	N	15619033
16	12m E	607683 138206	CHANNEL TUNNEL RAIL LINK TP9619A	4.0	N	15614174
17	14m NE	607070 138346	CHANNEL TUNNEL RAIL LINK DS6301	8.9	N	15618996
A	14m NE	606726 138401	CHANNEL TUNNEL RAIL LINK SA8612	15.2	N	15619098
B	15m E	607463 138267	CHANNEL TUNNEL RAIL LINK DS6361	3.0	N	15619032

ID	Location	Grid reference	Name	Length	Confidential	Web link
B	17m E	607463 138269	CHANNEL TUNNEL RAIL LINK DS6360	7.5	N	15619031 ↗
C	18m NE	606742 138431	CHANNEL TUNNEL RAIL LINK TP8681	0.45	N	15614153 ↗
D	19m E	607549 138256	CHANNEL TUNNEL RAIL LINK DS6306	8.0	N	15619008 ↗
B	20m E	607456 138273	CHANNEL TUNNEL RAIL LINK DS6305	4.0	N	15619005 ↗
B	20m E	607456 138273	CHANNEL TUNNEL RAIL LINK DS6305A	8.0	N	15619007 ↗
18	20m E	608175 138141	CHANNEL TUNNEL RAIL LINK DS6312	4.0	N	15619017 ↗
E	20m E	607990 138151	CHANNEL TUNNEL RAIL LINK SA6371	15.3	N	15619091 ↗
E	21m E	607988 138151	CHANNEL TUNNEL RAIL LINK SA6371A	15.2	N	15619092 ↗
19	21m NE	607264 138308	CHANNEL TUNNEL RAIL LINK DS6303	7.0	N	15619001 ↗
20	22m NE	607167 138326	CHANNEL TUNNEL RAIL LINK DS6302	8.6	N	15618998 ↗
F	23m NE	606746 138470	CHANNEL TUNNEL RAIL LINK SA9618	29.95	N	15619108 ↗
21	24m E	608620 138310	M20 ASHFORD - SELLINDGE 8	5.0	N	649025 ↗
C	24m NE	606746 138427	CHANNEL TUNNEL RAIL LINK TP8679	0.27	N	15614152 ↗
F	28m NE	606741 138478	CHANNEL TUNNEL LINK D109	-	Y	N/A
D	28m E	607526 138269	CHANNEL TUNNEL RAIL LINK RQC0044	4.0	N	15619068 ↗
D	28m E	607528 138269	CHANNEL TUNNEL RAIL LINK RQC0045	4.0	N	15619069 ↗
D	28m E	607530 138269	CHANNEL TUNNEL RAIL LINK RQC0046	4.0	N	15619070 ↗
G	33m E	608133 138160	CHANNEL TUNNEL RAIL LINK TP8684B	2.3	N	15614179 ↗
22	33m E	608004 138057	DUNGENESS SELLINDGE TP VO82A	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
H	34m NE	607210 138330	CHANNEL TUNNEL RAIL LINK RQC0041	4.0	N	15619065 ↗
23	34m E	608263 138136	CHANNEL TUNNEL RAIL LINK DS6313	7.0	N	15619019 ↗
H	34m NE	607212 138330	CHANNEL TUNNEL RAIL LINK RQC0042	3.0	N	15619066 ↗
G	34m E	608134 138161	CHANNEL TUNNEL RAIL LINK TP8684A	2.0	N	15614178 ↗
24	34m E	607647 138238	CHANNEL TUNNEL RAIL LINK DS6307	8.0	N	15619010 ↗
H	34m NE	607214 138330	CHANNEL TUNNEL RAIL LINK RQC0043	4.0	N	15619067 ↗
25	35m NE	606994 138384	CHANNEL TUNNEL RAIL LINK TP9210	4.0	N	15614156 ↗
26	35m NE	607325 138311	CHANNEL TUNNEL RAIL LINK SA9216	15.2	N	15619104 ↗
G	35m E	608126 138162	CHANNEL TUNNEL RAIL LINK TP8683B	2.0	N	15614177 ↗
I	37m E	608359 138119	CHANNEL TUNNEL RAIL LINK DS6314	7.8	N	15619021 ↗
I	39m E	608337 138125	CHANNEL TUNNEL RAIL LINK SA9621	30.0	N	15619109 ↗
G	40m E	608124 138167	CHANNEL TUNNEL RAIL LINK TP8683A	2.0	N	15614176 ↗
27	40m E	608437 138104	CHANNEL TUNNEL RAIL LINK DS6315	10.0	N	15619022 ↗
J	40m NE	607477 138290	CHANNEL TUNNEL RAIL LINK OP3252	3.81	N	15614103 ↗
G	41m E	608136 138168	CHANNEL TUNNEL RAIL LINK TP9620	4.0	N	15614165 ↗
28	44m E	608055 138163	CHANNEL TUNNEL RAIL LINK DS6311	7.5	N	15619016 ↗
G	47m E	608109 138175	CHANNEL TUNNEL RAIL LINK SA8508	10.0	N	15619095 ↗
J	49m NE	607480 138299	CHANNEL TUNNEL RAIL LINK OP3252A	4.11	N	15614170 ↗

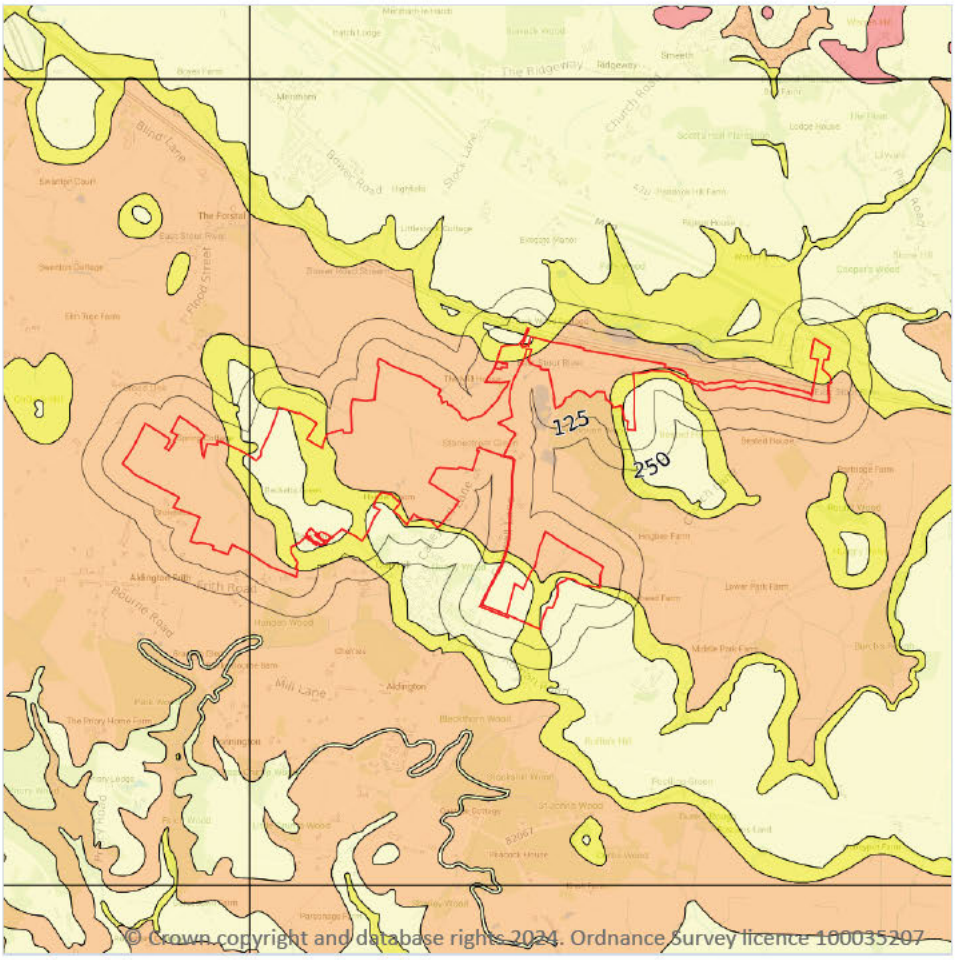
ID	Location	Grid reference	Name	Length	Confidential	Web link
K	51m E	608000 138182	CHANNEL TUNNEL RAIL LINK RQC0036	6.5	N	15619060 ↗
K	52m E	608005 138182	CHANNEL TUNNEL RAIL LINK RQC0037	3.0	N	15619061 ↗
29	52m NE	607410 138314	CHANNEL TUNNEL RAIL LINK TP9619	4.0	N	15614164 ↗
G	52m E	608120 138180	SELLINDGE 2000MW CROSS CHANNEL 201	-	Y	N/A
30	53m E	607949 138182	CHANNEL TUNNEL RAIL LINK DS6310	8.3	N	15619014 ↗
31	55m E	608236 138163	CHANNEL TUNNEL RAIL LINK SA3257	20.11	N	15619080 ↗
G	55m E	608157 138180	CHANNEL TUNNEL RAIL LINK TP8642	4.0	N	15614148 ↗
J	55m NE	607467 138307	CHANNEL TUNNEL RAIL LINK SA3251	10.11	N	15619078 ↗
32	57m E	608650 138011	CHANNEL TUNNEL RAIL LINK TP9746	4.0	N	15614173 ↗
33	58m E	608420 138280	SELLINDGE 2000MW CROSS CHANNEL 302	-	Y	N/A
L	60m E	608389 138136	CHANNEL TUNNEL RAIL LINK SA6157	25.0	N	15619089 ↗
34	60m E	608427 138128	CHANNEL TUNNEL RAIL LINK TP3258	4.11	N	15614120 ↗
35	61m NE	606749 138511	CHANNEL TUNNEL RAIL LINK SA9214	19.9	N	15619102 ↗
36	61m E	607752 138218	CHANNEL TUNNEL RAIL LINK DS6308	7.0	N	15619011 ↗
37	63m E	608581 138416	M20 ASHFORD - FOLKSTONE 901	2.0	N	649033 ↗
38	63m E	608290 138160	SELLINDGE 2000MW CROSS CHANNEL PROBE 21	-	Y	N/A
G	63m E	608100 138192	CHANNEL TUNNEL RAIL LINK SA3256	20.01	N	15619079 ↗
39	65m NE	607112 138383	CHANNEL TUNNEL RAIL LINK SA9215	8.3	N	15619103 ↗
40	66m NE	607200 138364	CHANNEL TUNNEL RAIL LINK TP6142	2.7	N	15614111 ↗
41	67m E	608660 138361	M20 ASHFORD - FOLKSTONE 911	10.0	N	649034 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
42	67m E	608440 138170	SELLINDGE 2000MW CROSS CHANNEL 402	-	Y	N/A
43	71m E	607671 138270	CHANNEL TUNNEL RAIL LINK TP9217	4.0	N	15614169 ↗
L	74m E	608390 138150	SELLINDGE 2000MW CROSS CHANNEL PROBE 23	-	Y	N/A
44	75m E	608410 138320	BESTED SUBSTATION ASHFIELD 5	-	Y	N/A
M	81m E	608330 138170	SELLINDGE 2000MW CROSS CHANNEL PROBE 22	-	Y	N/A
45	82m E	607863 138198	CHANNEL TUNNEL RAIL LINK DS6309	6.0	N	15619012 ↗
46	84m E	608675 138049	CHANNEL TUNNEL RAIL LINK DS6317	7.0	N	15619025 ↗
47	90m E	608280 138190	SELLINDGE 2000MW CROSS CHANNEL 202	-	Y	N/A
48	91m NE	606704 138544	CHANNEL TUNNEL RAIL LINK SA6138	15.0	N	15619087 ↗
49	97m E	608400 138390	SELLINDGE 2000MW CROSS CHANNEL 207	-	Y	N/A
50	99m E	608490 138490	A20(M)ASHFORD-FOLKESTONE ROUTEY(1)BHY292	1.0	N	648983 ↗
M	101m E	608330 138190	SELLINDGE 2000MW CROSS CHANNEL 203	-	Y	N/A
M	108m E	608320 138200	SELLINDGE 2000MW CROSS CHANNEL 401	-	Y	N/A
N	109m E	608380 138220	SELLINDGE 2000MW CROSS CHANNEL 403	-	Y	N/A
N	114m E	608380 138210	SELLINDGE 2000MW CROSS CHANNEL 403A	-	Y	N/A
M	115m E	608350 138200	SELLINDGE 2000MW CROSS CHANNEL 407	-	Y	N/A
51	119m E	606749 137436	CHANNEL TUNNEL RAIL LINK TP8678	1.2	N	15614151 ↗
O	121m E	608714 138061	CHANNEL TUNNEL RAIL LINK SA6372	15.2	N	15619093 ↗
52	122m E	607838 138240	CHANNEL TUNNEL RAIL LINK TP6143	4.0	N	15614112 ↗
O	124m E	608717 138060	CHANNEL TUNNEL RAIL LINK SA6372A	15.2	N	15619094 ↗
P	129m E	608350 138290	SELLINDGE 2000MW CROSS CHANNEL 301	-	Y	N/A
53	130m E	608734 138144	CHANNEL TUNNEL RAIL LINK TP6159	4.0	N	15614114 ↗
54	136m E	608350 138330	BESTED SUBSTATION ASHFIELD 3	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
P	147m E	608330 138280	SELLINDGE 2000MW CROSS CHANNEL 206	-	Y	N/A
55	158m NE	606580 138523	CHANNEL TUNNEL RAIL LINK SA9242	15.0	N	15619106 ↗
56	160m NE	607583 138393	CHANNEL TUNNEL RAIL LINK DS9245	5.0	N	15619043 ↗
57	165m NE	607393 138431	CHANNEL TUNNEL RAIL LINK DS9244	5.0	N	15619041 ↗
58	178m E	608280 138280	BESTED SUBSTATION ASHFIELD BH4	7.0	N	648991 ↗
Q	190m E	608782 138030	CHANNEL TUNNEL RAIL LINK DS6318	8.5	N	15619027 ↗
Q	191m E	608791 138065	CHANNEL TUNNEL RAIL LINK SA3262	20.11	N	15619081 ↗
59	192m E	608320 138460	BESTED SUBSTATION ASHFIELD 1	-	Y	N/A
Q	195m E	608790 138050	CHANNEL TUNNEL RAIL LINK OP3260	2.91	N	15614104 ↗
60	201m NE	607263 138491	CHANNEL TUNNEL RAIL LINK DS9243	5.0	N	15619040 ↗
Q	202m E	608794 138037	CHANNEL TUNNEL RAIL LINK RQC0038	4.5	N	15619062 ↗
Q	204m E	608796 138037	CHANNEL TUNNEL RAIL LINK RQC0039	6.0	N	15619063 ↗
61	214m NE	607172 138521	CHANNEL TUNNEL RAIL LINK TP6139	4.0	N	15614108 ↗
Q	214m E	608807 138014	CHANNEL TUNNEL RAIL LINK DS6367	5.0	N	15619039 ↗
Q	215m E	608808 138018	CHANNEL TUNNEL RAIL LINK DS6366	5.0	N	15619038 ↗
Q	216m E	608809 138021	CHANNEL TUNNEL RAIL LINK DS6365	7.5	N	15619036 ↗
Q	217m E	608809 138024	CHANNEL TUNNEL RAIL LINK DS6364	8.0	N	15619035 ↗
62	218m NE	606483 138544	CHANNEL TUNNEL RAIL LINK SA9241	9.9	N	15619105 ↗
63	220m E	608270 138360	SELLINDGE 2000MW CROSS CHANNEL 405	-	Y	N/A
64	233m NE	607482 138485	CHANNEL TUNNEL RAIL LINK TP6141	4.0	N	15614109 ↗

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).

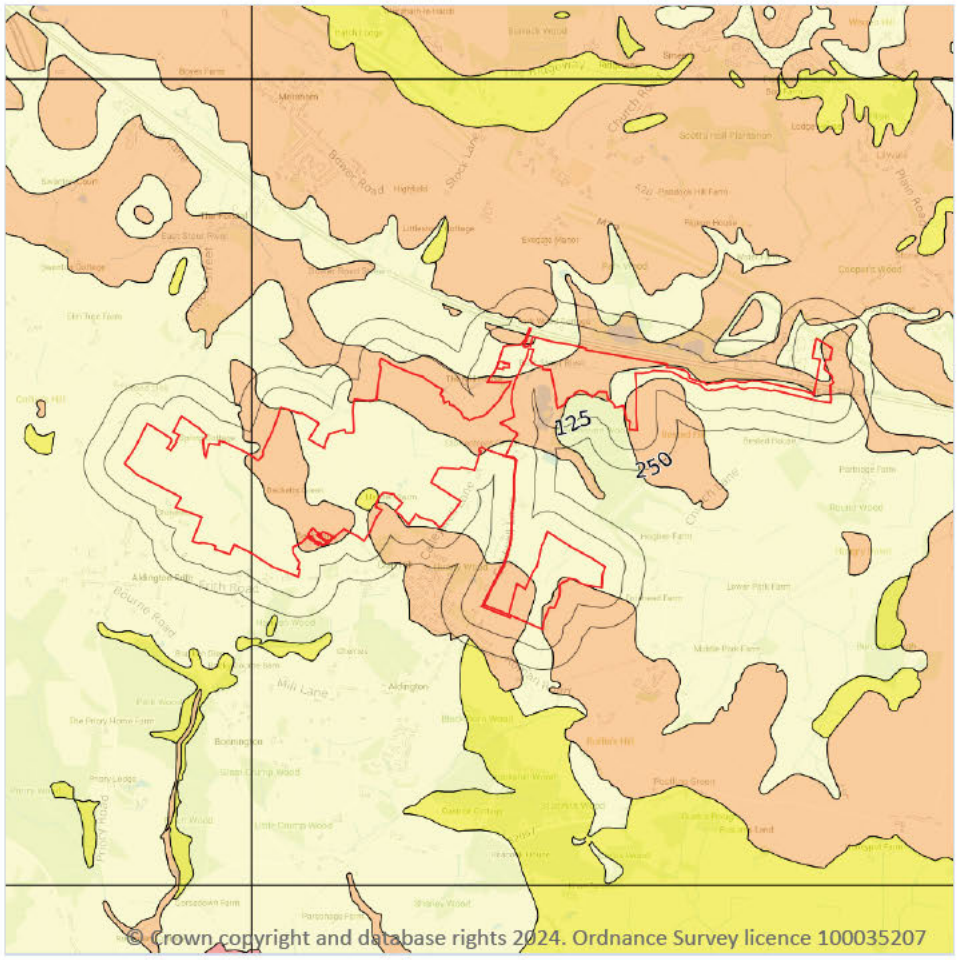
Features are displayed on the Natural ground subsidence - Shrink swell clays map on page 153 >

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
15m W	Very low	Ground conditions predominantly low plasticity.
30m NE	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	4

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.

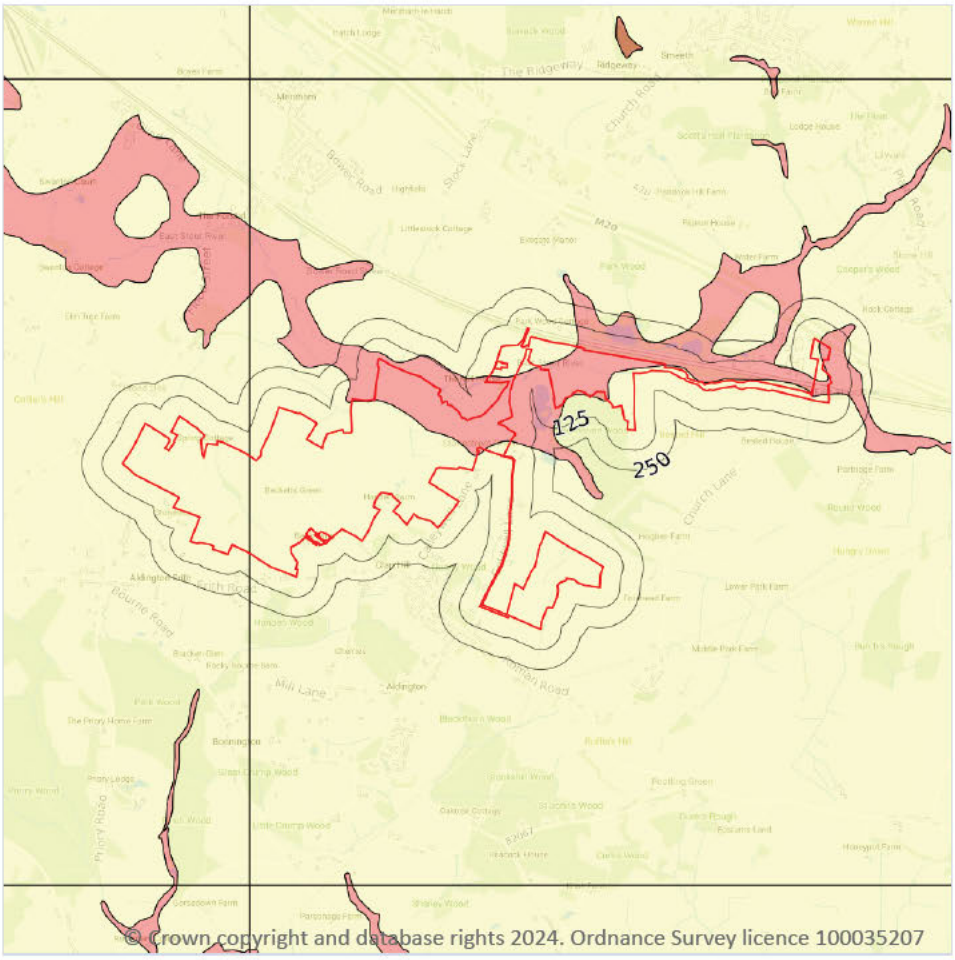
Features are displayed on the Natural ground subsidence - Running sands map on page 155 >

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.**
15m W	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.

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	2

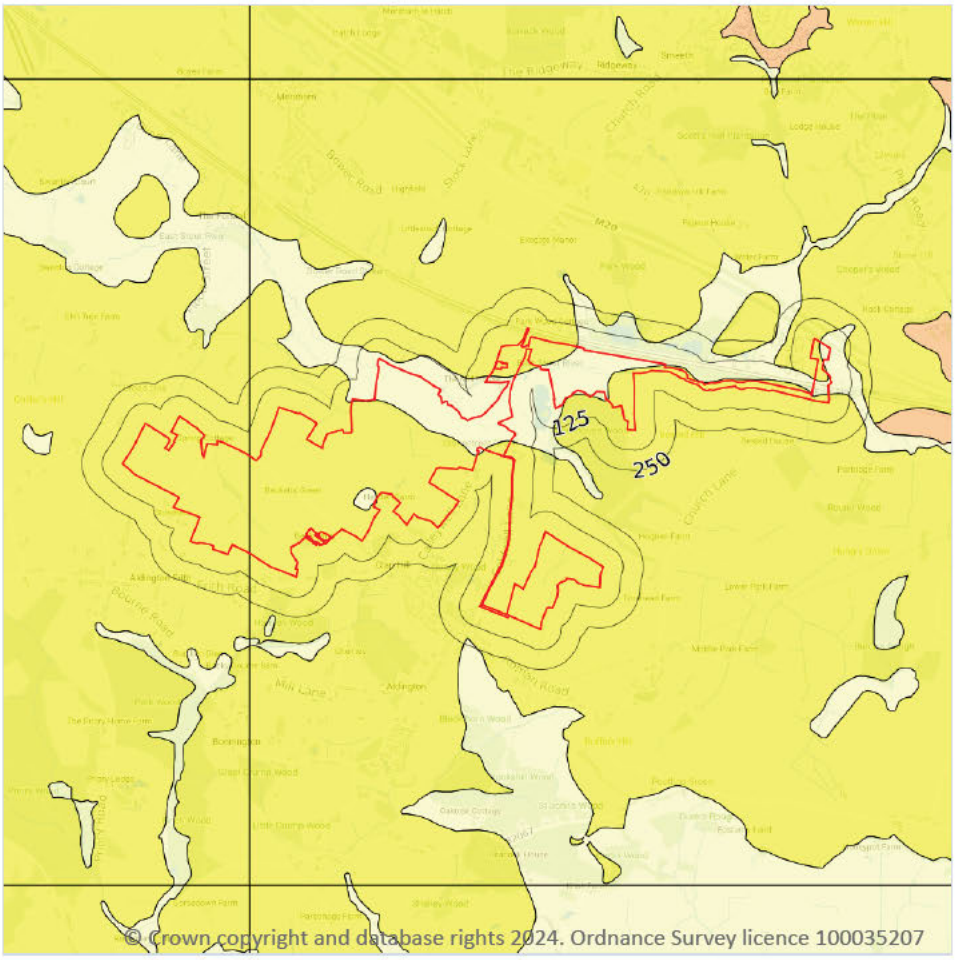
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on page 157 >

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.**

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

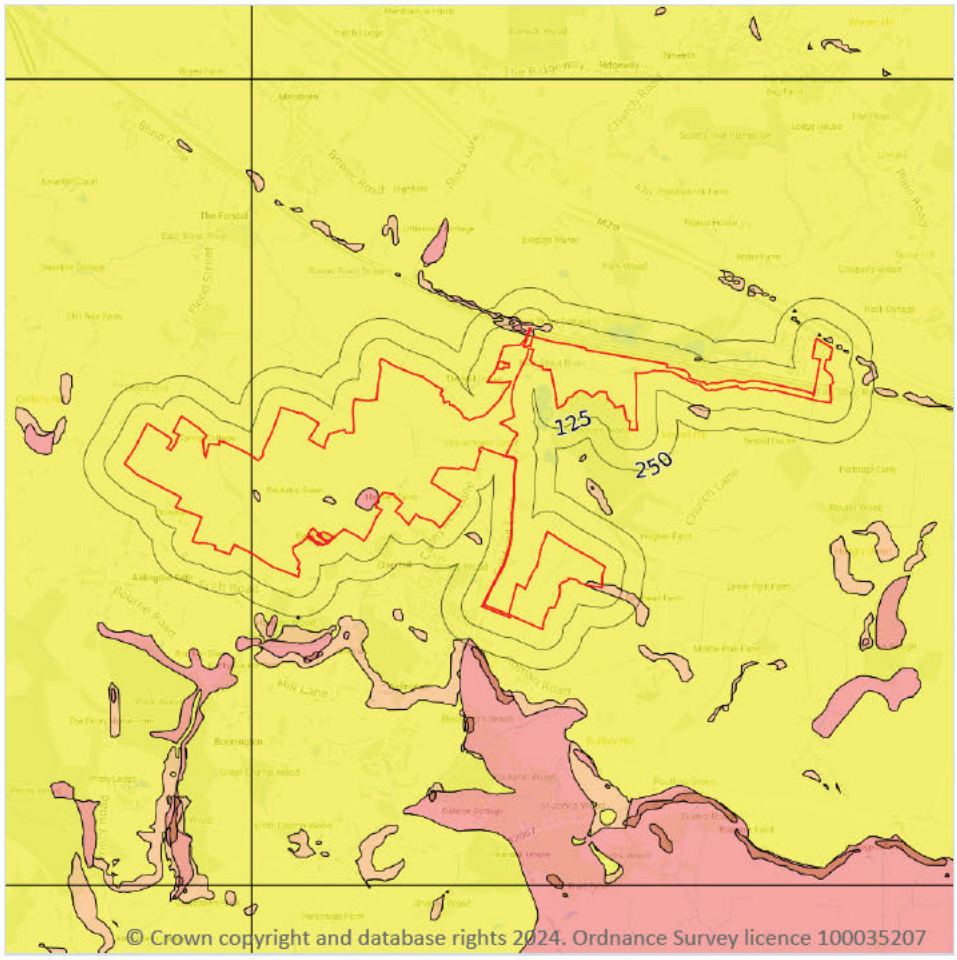
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on page 159 >

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	7

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.

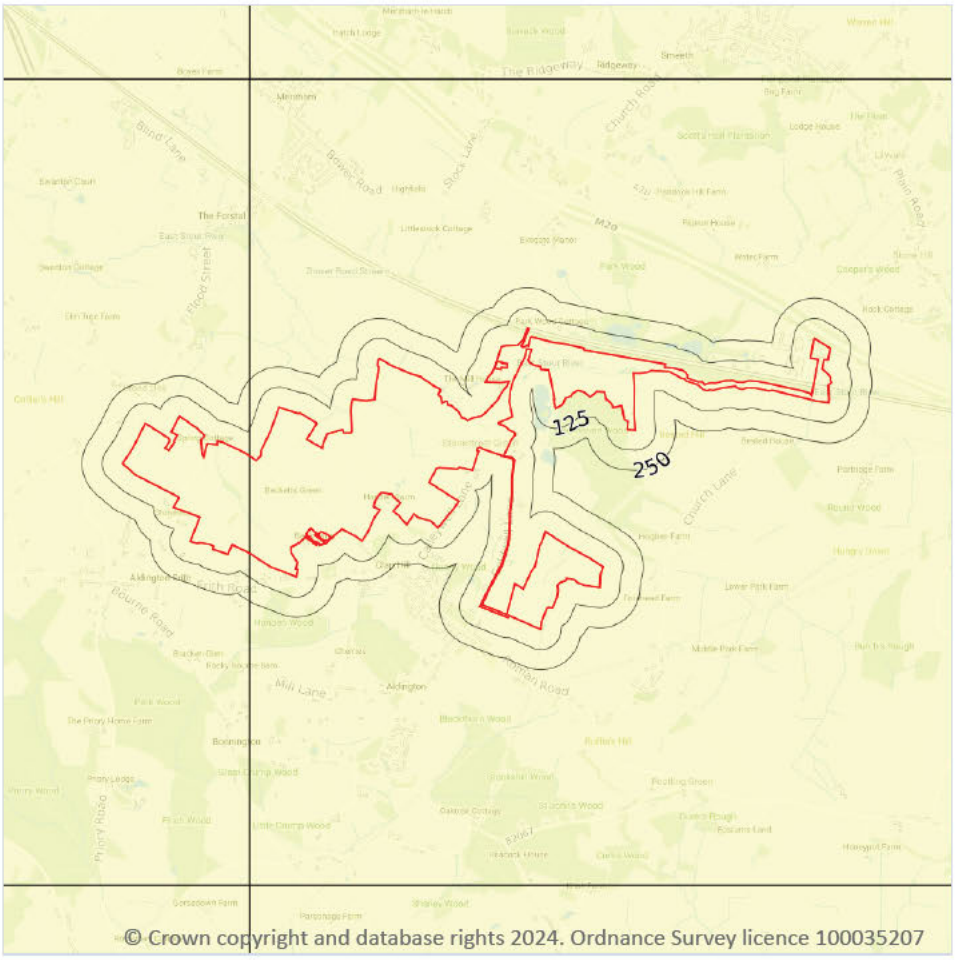
Features are displayed on the Natural ground subsidence - Landslides map on page 160 >

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
On site	**Low**	**Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.**
On site	**Moderate**	**Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.**
16m NE	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
18m E	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
21m E	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
32m E	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	1

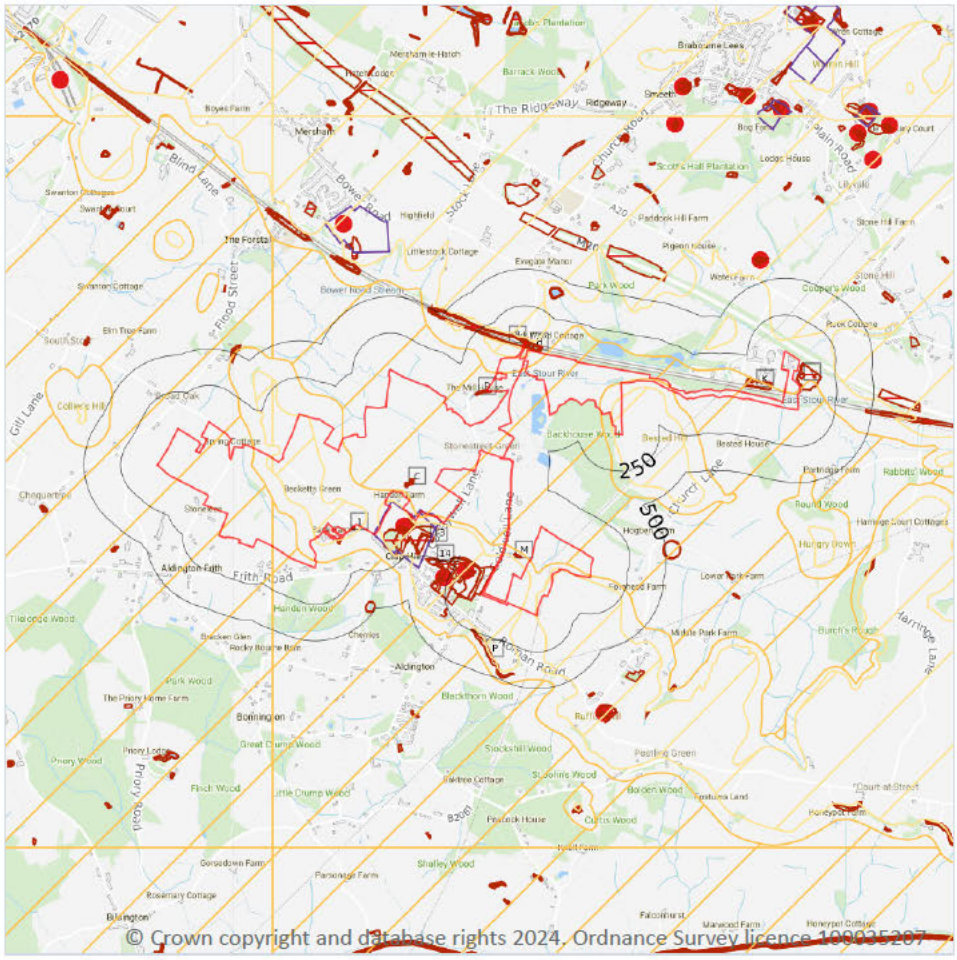
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on page 162 >

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.**

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	5

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 164 >

ID	Location	Details	Description
E	78m S	Name: Handen Quarry Address: Aldington, ASHFORD, Kent Commodity: Limestone 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
N	162m S	Name: Handen Address: Aldington, ASHFORD, Kent Commodity: Limestone 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
F	168m SE	Name: Aldington Address: Aldington, ASHFORD, Kent Commodity: Limestone 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
O	280m S	Name: Aldington Address: Aldington, ASHFORD, Kent Commodity: Limestone 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
18	352m S	Name: Aldington Address: Aldington, ASHFORD, Kent Commodity: Limestone 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	68

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 164 >

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Unspecified Heap	1954	1:10560
A	On site	Unspecified Ground Workings	1940	1:10560
A	On site	Unspecified Ground Workings	1906	1:10560
A	On site	Unspecified Ground Workings	1906	1:10560
A	On site	Unspecified Ground Workings	1906	1:10560
B	On site	Cuttings	1954	1:10560
B	On site	Cuttings	1871	1:10560
B	On site	Cuttings	1940	1:10560
B	On site	Cuttings	1906	1:10560
B	On site	Cuttings	1896	1:10560
B	On site	Cuttings	1974	1:10000
B	On site	Cuttings	1988	1:10000
B	On site	Cuttings	1906	1:10560
B	On site	Cuttings	1906	1:10560
C	On site	Ponds	1954	1:10560
C	On site	Ponds	1871	1:10560
C	On site	Ponds	1940	1:10560
C	On site	Ponds	1906	1:10560
C	On site	Ponds	1896	1:10560
C	On site	Ponds	1974	1:10000
C	On site	Ponds	1988	1:10000
D	On site	Water Body	1974	1:10000
D	On site	Water Body	1988	1:10000
G	3m SW	Pond	1974	1:10000
G	3m SW	Pond	1988	1:10000
F	3m SE	Unspecified Disused Quarry	1988	1:10000
A	5m S	Unspecified Ground Workings	1954	1:10560
H	6m NE	Cuttings	1954	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
H	8m NE	Cuttings	1974	1:10000
H	8m NE	Cuttings	1988	1:10000
H	10m NE	Cuttings	1871	1:10560
H	12m NE	Cuttings	1906	1:10560
H	12m NE	Cuttings	1906	1:10560
H	13m NE	Cuttings	1940	1:10560
H	13m NE	Cuttings	1906	1:10560
I	13m E	Sewage Treatment Works	1974	1:10000
I	13m E	Sewage Treatment Works	1988	1:10000
H	14m NE	Cuttings	1896	1:10560
10	23m E	Unspecified Beds	1988	1:10000
I	32m E	Filter Beds	1974	1:10000
I	32m E	Filter Beds	1988	1:10000
J	36m S	Unspecified Quarry	1940	1:10560
K	47m E	Water Body	1871	1:10560
F	47m SE	Unspecified Disused Quarry	1974	1:10000
J	48m S	Unspecified Quarry	1954	1:10560
K	49m E	Pond	1954	1:10560
K	52m E	Pond	1906	1:10560
K	52m E	Pond	1906	1:10560
L	52m S	Unspecified Disused Quarry	1974	1:10000
L	52m S	Unspecified Disused Quarry	1988	1:10000
K	53m E	Pond	1940	1:10560
K	53m E	Pond	1906	1:10560
M	59m SE	Pond	1974	1:10000
M	59m SE	Pond	1988	1:10000
F	63m SE	Unspecified Quarry	1954	1:10560
F	66m SE	Unspecified Disused Quarry	1940	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
M	66m SE	Pond	1896	1:10560
N	100m S	Unspecified Ground Workings	1906	1:10560
N	100m S	Unspecified Ground Workings	1906	1:10560
N	101m S	Unspecified Ground Workings	1906	1:10560
N	107m S	Unspecified Old Quarry	1896	1:10560
13	108m SE	Unspecified Quarry	1871	1:10560
I	112m E	Filter Beds	1988	1:10000
O	206m SE	Unspecified Quarry	1906	1:10560
P	244m SE	Unspecified Ground Workings	1906	1:10560
P	244m SE	Unspecified Ground Workings	1906	1:10560
14	246m S	Unspecified Ground Workings	1906	1:10560
O	249m SE	Unspecified Quarry	1896	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 **1**

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 164 >

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
E	**On site**	**Handon Quarry**	**Limestone**	**Surface mineral working**	**Valid**	**28/11/73**

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m **16**

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 164 >

ID	Location	Name	Commodity	Class	Likelihood
2	**On site**	**Not available**	**Sand**	**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.**
3	**On site**	**Not available**	**Sand**	**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.**
4	**On site**	**Not available**	**Sand**	**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.**
5	**On site**	**Not available**	**Sand**	**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
6	**On site**	**Not available**	**Sand**	**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.**
7	**On site**	**Not available**	**Iron Ore**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
8	**On site**	**Not available**	**Iron Ore**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
9	**On site**	**Not available**	**Iron Ore**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
F	**On site**	**Not available**	**Sand**	**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	30m NE	Not available	Sand	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	62m W	Not available	Sand	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.
16	277m E	Not available	Sand	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.
17	338m NE	Not available	Sand	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.
21	578m W	Not available	Sand	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
30	803m E	Not available	Sand	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.
38	1000m E	Not available	Sand	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.

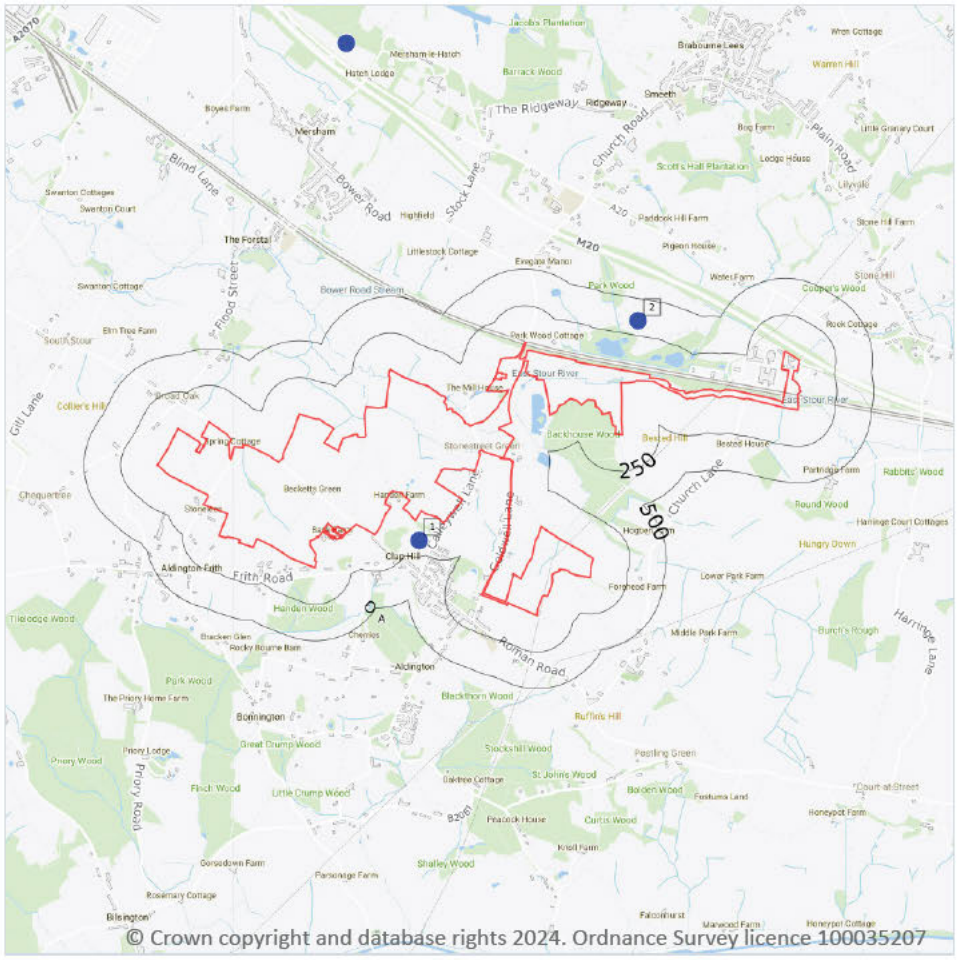
18.16 Clay mining

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	2

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.

Features are displayed on the Ground cavities and sinkholes map on page 174 >

ID	Location	Details	Source
1	139m S	Type: Gulls/Fissures due to Cambering x 1 Superficial Geology: - Bedrock Geology: Atherfield Clay Formation, Hythe Formation	Simple Bibliography: Confidential Full Bibliography: Confidential Confidentiality: Data source to remain anonymous, data can be used freely

ID	Location	Details	Source
2	349m NE	Type: Gulls/Fissures due to Cambering x 1 Superficial Geology: - Bedrock Geology: Atherfield Clay Formation, Hythe Formation	Simple Bibliography: Confidential Full Bibliography: Confidential Confidentiality: Data source to remain anonymous, data can be used freely

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	3

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 174 >**

ID	Location	Type	Date of mapping
A	434m S	Unspecified Hole	1974
A	434m S	Unspecified Hole	1988
A	445m S	Hole	1971

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

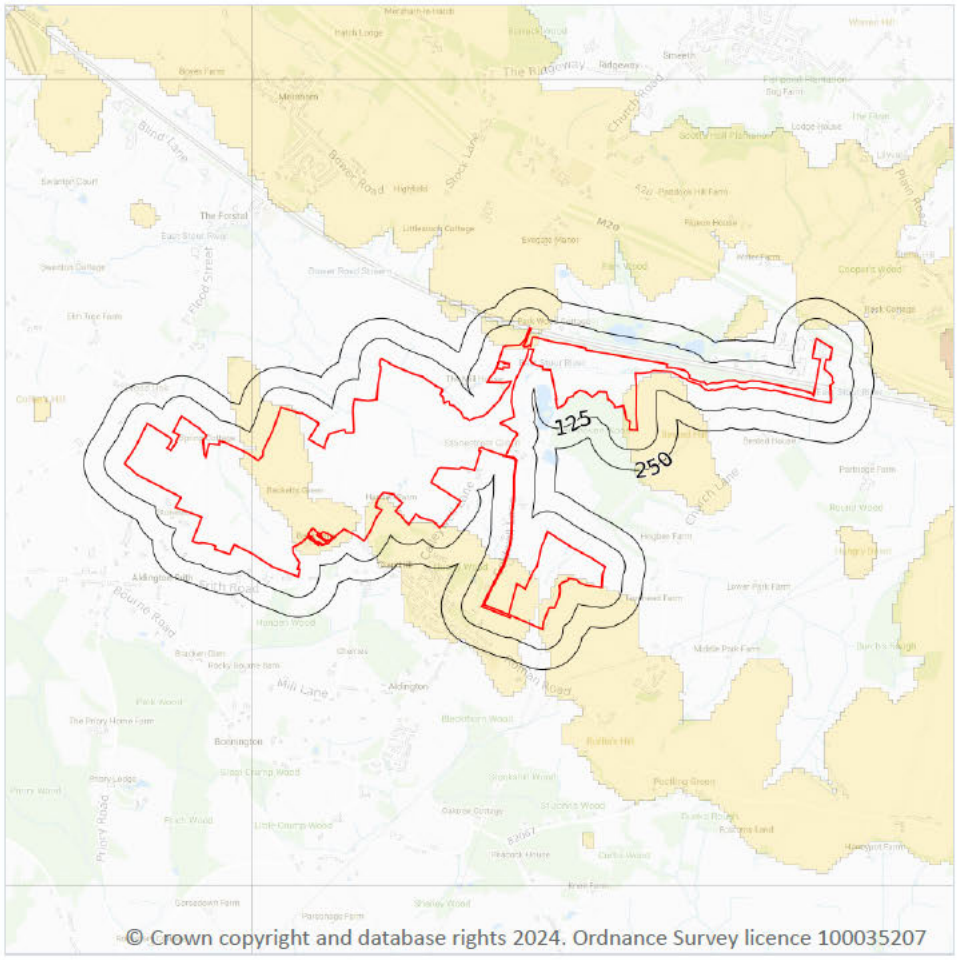
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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	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 177 >

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	**108**

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**	**60 - 90 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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**	**60 - 90 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 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**	**60 - 90 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 - 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 - 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 - 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 - 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 - 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 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 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 - 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 - 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**	**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**	**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**	**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 - 200 mg/kg**	**60 - 120 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 - 200 mg/kg**	**60 - 120 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 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
0m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
3m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
6m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
9m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
10m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
15m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
15m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
29m 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
29m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m NE	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
30m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
38m SE	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
38m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
45m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
49m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
49m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
49m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
49m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 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.

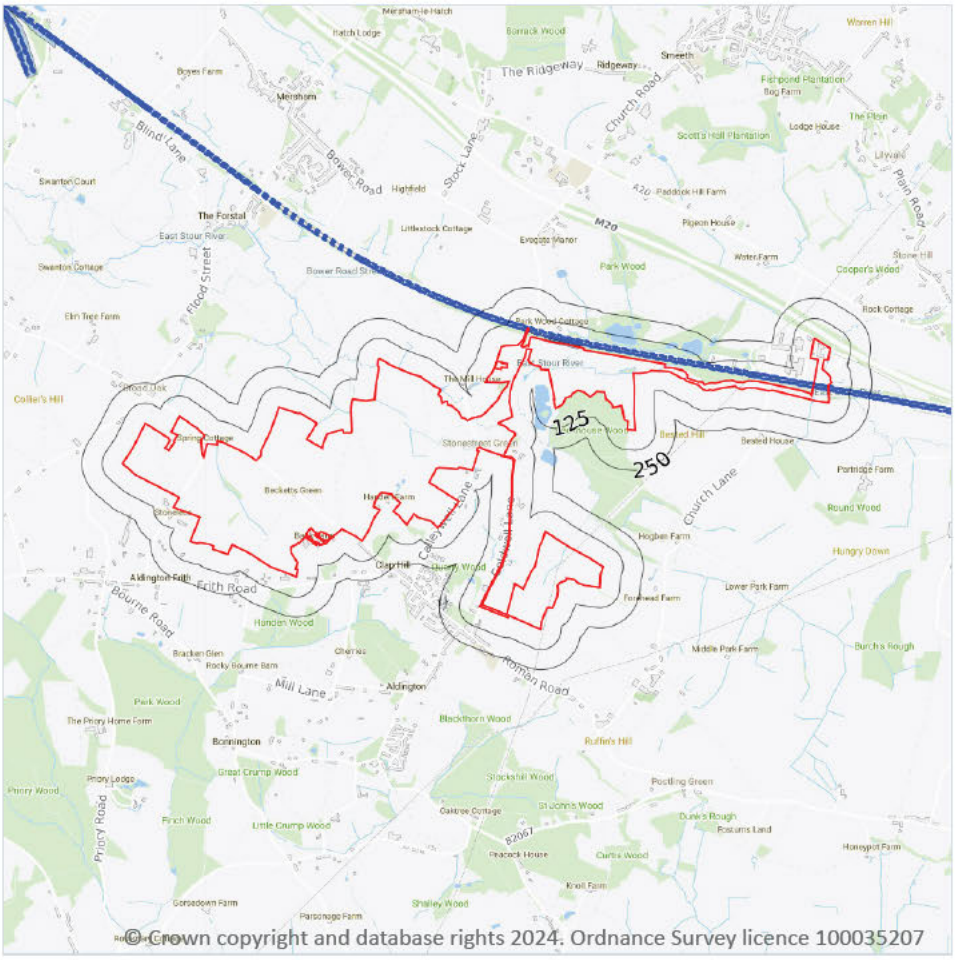
21.3 BGS Measured Urban Soil Chemistry

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



- Site Outline
- Search buffers in metres (m)
- Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

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	15

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.

Features are displayed on the Railway infrastructure and projects map on page 186 >

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway Sidings**	**1954**	**10560**
4m NE	Railway Sidings	1940	10560
4m NE	Railway Sidings	1906	10560
12m NE	Railway Sidings	1906	10560
13m NE	Railway Sidings	1939	2500
13m NE	Railway Sidings	1896	10560
13m NE	Railway Sidings	1898	2500
13m NE	Railway Sidings	1907	2500
13m NE	Railway Sidings	1939	2500
13m NE	Railway Sidings	1871	2500
14m NE	Railway Sidings	1907	2500
14m NE	Railway Sidings	1906	10560
24m NE	Railway Sidings	1898	2500
193m SE	Railway Sidings	1939	2500
245m S	Railway Sidings	1939	2500

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	18

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

Features are displayed on the Railway infrastructure and projects map on page 186 >

Location	Name	Type
On site	**South Eastern Main Line**	**rail**
On site	**High Speed 1**	**rail**
On site	**South Eastern Main Line**	**rail**
On site	**South Eastern Main Line**	**rail**
On site	**South Eastern Main Line**	**rail**
On site	**High Speed 1**	**rail**
On site	**Not given**	**Multi Track**
On site	**Not given**	**Multi Track**
3m NE	High Speed 1	rail
3m NE	Not given	Multi Track
4m NE	Not given	Multi Track

Location	Name	Type
7m NE	Not given	Multi Track
8m NE	High Speed 1	rail
24m E	South Eastern Main Line	rail
27m NE	Not given	Multi Track
29m E	South Eastern Main Line	rail
47m E	High Speed 1	rail
52m E	High Speed 1	rail

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.

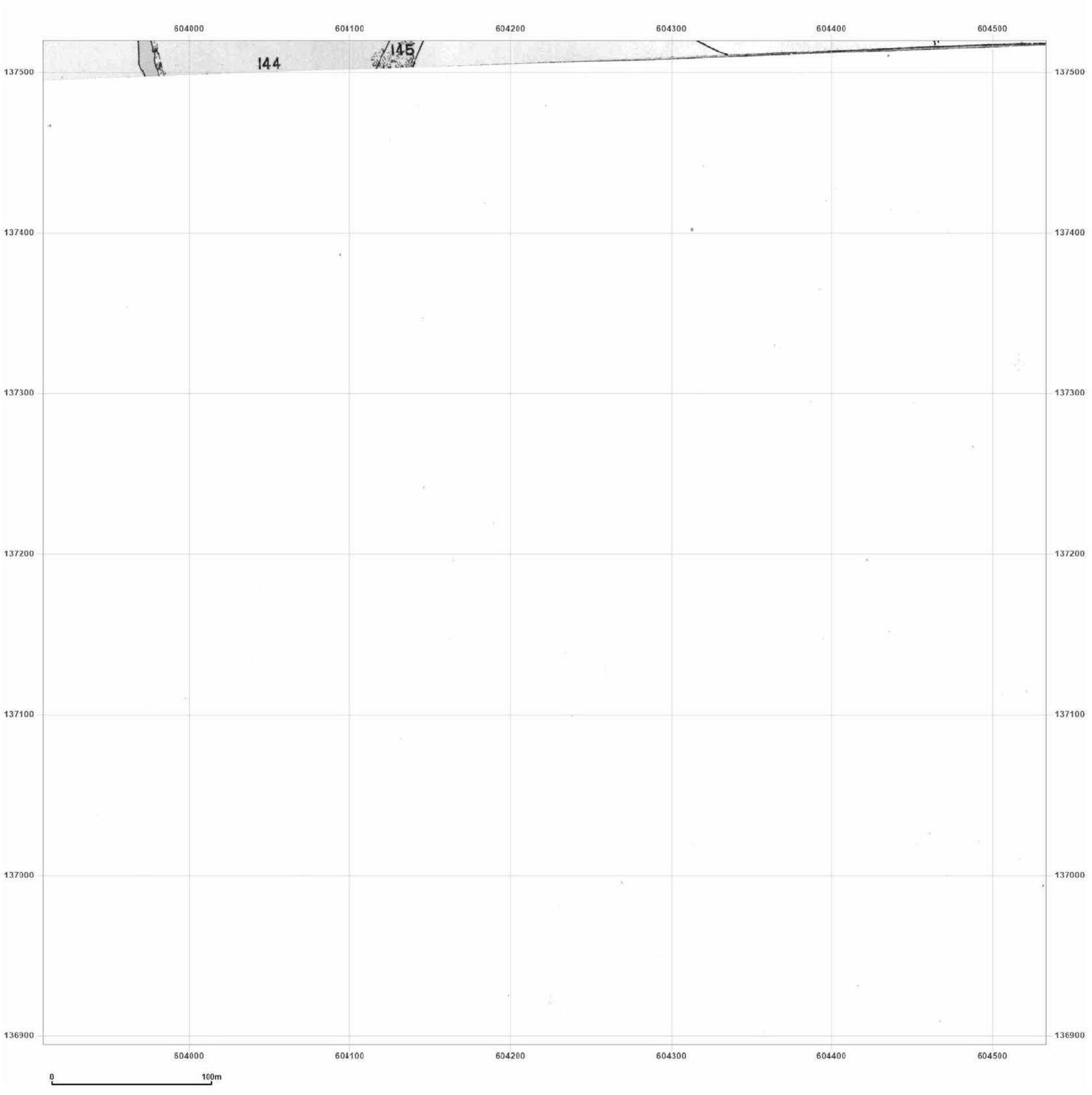
Data providers

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

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

1:2,500 Scale Grid Index



Groundsure INSIGHTS

Site Details:

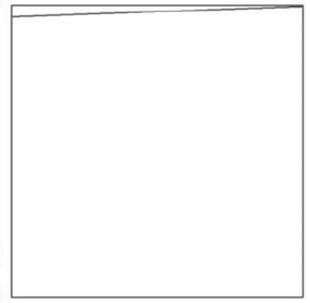
Stonestreet Revised

Client Ref: Stonestreet Revised
Report Ref: GSIP-2023-13822-18395_LS_1_2
Grid Ref: 604221, 137207

Map Name: County Series
Map date: **1871**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
S

Surveyed 1871
Revised 1871
Edition N/A
Copyright N/A
Levelled N/A



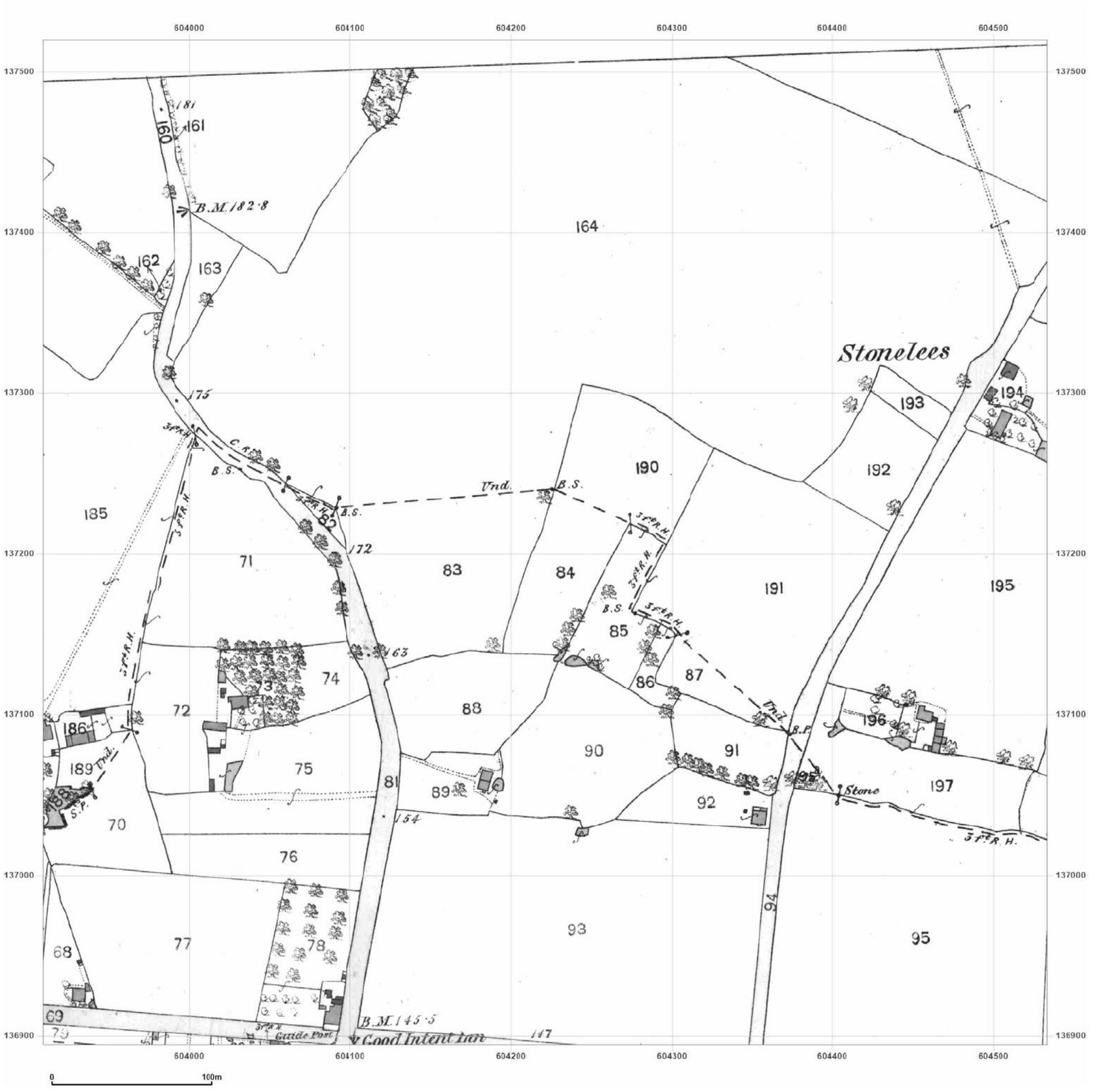
Surveyed 1871
Revised 1871
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 22 April 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Groundsure INSIGHTS

Site Details:

Stonestreet Revised

Client Ref: Stonestreet Revised
Report Ref: GSIP-2023-13822-18395_LS_1_2
Grid Ref: 604221, 137207

Map Name: County Series
Map date: **1871**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
S

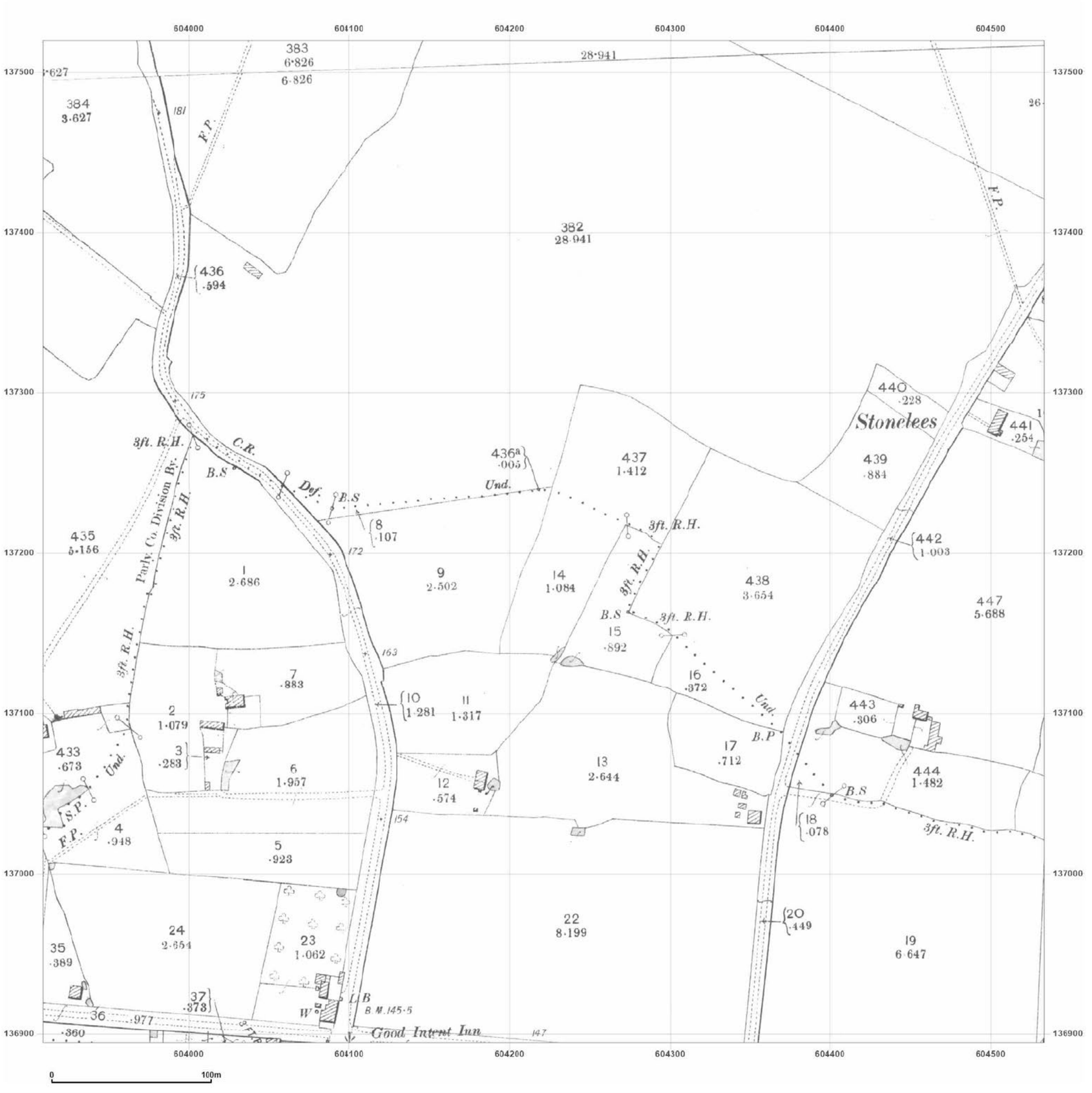
Surveyed 1871
Revised 1871
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 22 April 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Groundsure INSIGHTS

Site Details:

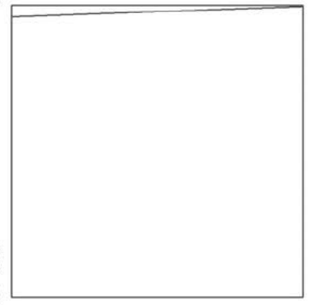
Stonestreet Revised

Client Ref: Stonestreet Revised
Report Ref: GSIP-2023-13822-18395_LS_1_2
Grid Ref: 604221, 137207

Map Name: County Series
Map date: 1898
Scale: 1:2,500
Printed at: 1:2,500

N
W E
S

Surveyed 1898
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A



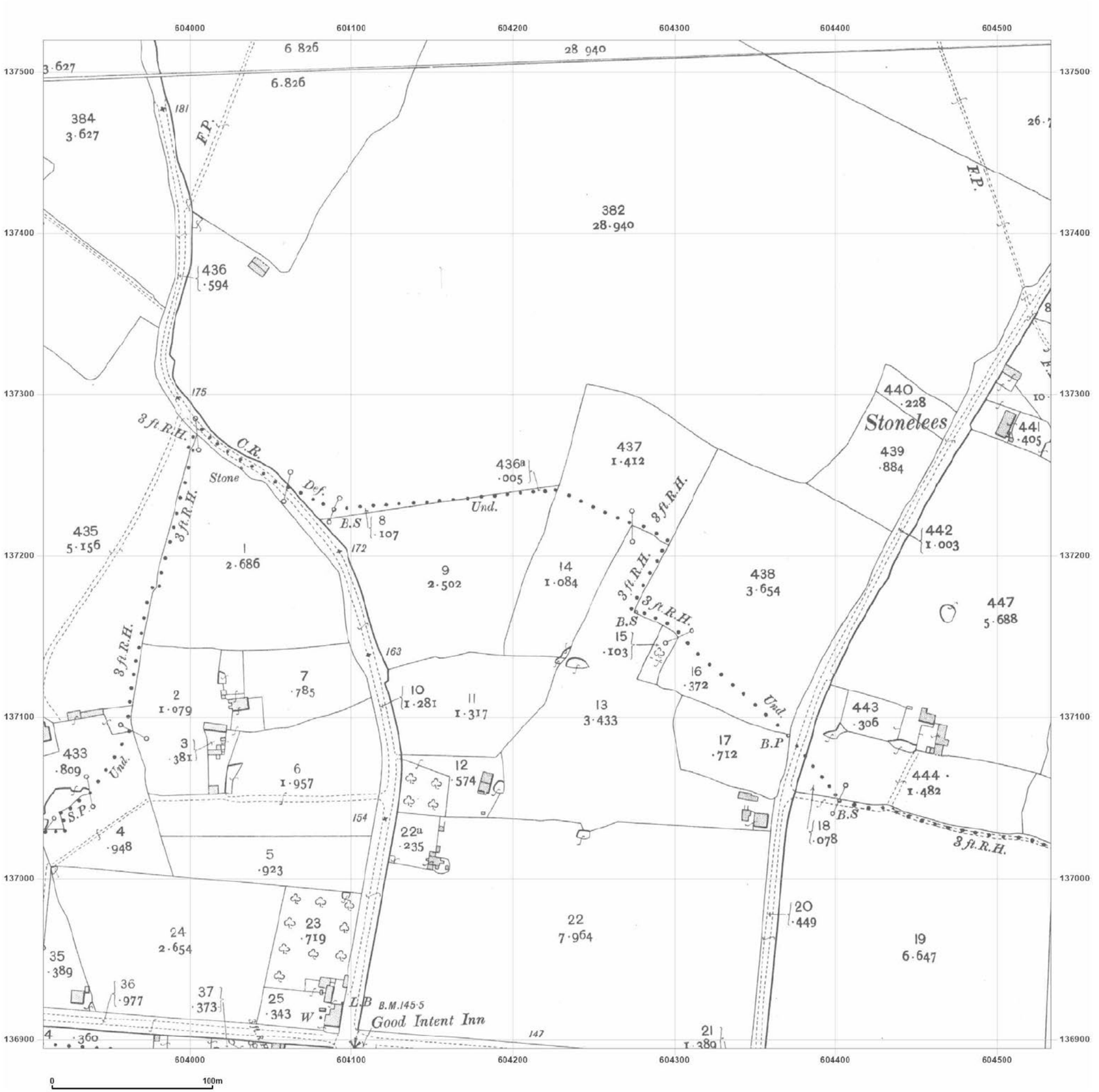
Surveyed 1898
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 22 April 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Groundsure INSIGHTS

Site Details:

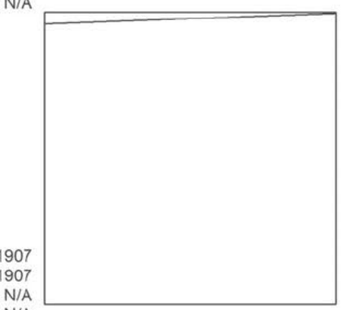
Stonestreet Revised

Client Ref: Stonestreet Revised
Report Ref: GSIP-2023-13822-18395_LS_1_2
Grid Ref: 604221, 137207

Map Name: County Series
Map date: 1907
Scale: 1:2,500
Printed at: 1:2,500

N
W E
S

Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 22 April 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

Groundsure INSIGHTS

Site Details:

Stonestreet Revised

Client Ref: Stonestreet Revised
Report Ref: GSIP-2023-13822-18395_LS_1_2
Grid Ref: 604221, 137207

Map Name: National Grid

Map date: **1971-1972**

Scale: 1:2,500

Printed at: 1:2,500

N W E S

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1951

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1951

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1951

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 22 April 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

Groundsure INSIGHTS

Site Details:

Stonestreet Revised

Client Ref: Stonestreet Revised
Report Ref: GSIP-2023-13822-18395_LS_1_2
Grid Ref: 604221, 137207

Map Name: National Grid
Map date: **1972**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
S

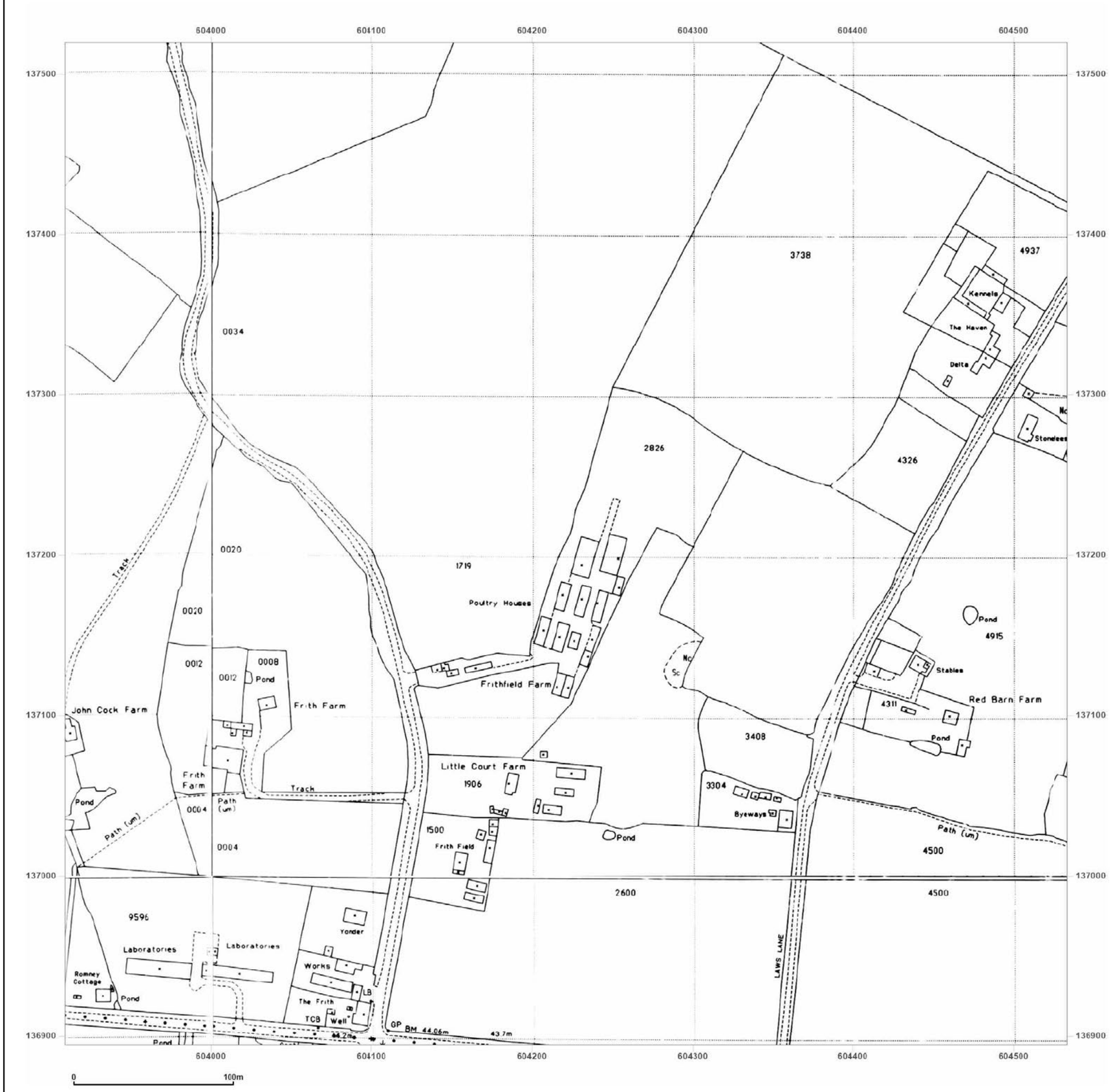
Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
Surveyed 1972 Revised 1972 Edition N/A Copyright 1972 Levelled 1951	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 22 April 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Groundsure INSIGHTS

Site Details:

Stonestreet Revised

Client Ref: Stonestreet Revised
Report Ref: GSIP-2023-13822-18395_LS_1_2
Grid Ref: 604221, 137207

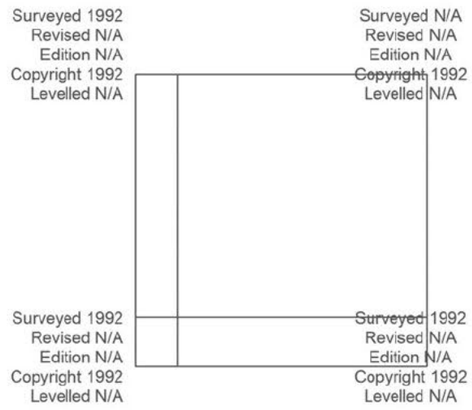
Map Name: National Grid

Map date: **1992**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 22 April 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf