Intended for
Wraik Hill Recycling Limited
Date
June 2026
Project Number
(Wraik-2026/001)

Wraik Hill Recycling Limited

Elysian Fields

Site Condition Report

THE PERMITTING COMPANY

Wraik Hill Recycling Limited
Site Condition Report

Project No.	WRAIK-2026/001
Issue No.	1
Date	June 2026
Author	Kieran Ball
Checked	Stephen Griffiths

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1. Introduction

Scope

The Permitting Company Limited (TPC) has been commissioned by Wraik Hill Recycling Limited to prepare a Site Condition Report in support of a bespoke permit application for a non-hazardous waste transfer station at Elysian Fields, Wraik Hill, Whitstable, Kent, CT5 3BY. The relevant documentation is submitted in accordance with the Environmental Permitting (England and Wales) Regulations 2016 (referred to hereafter as the EP Regulations).

The Site Condition Report has been compiled in accordance with the EP Regulations and with Horizontal Guidance Note 5, Site Condition Reports - Guidance and Templates. Information has been gathered from a number of sources including a Groundsure report, photographs and observations made by TPC.

The purpose of the initial Site Condition Report is to provide a factual statement of the condition of the site at the time of the Installation Application.

Site Location

The site is located at Elysian Fields, Wraik Hill, Whitstable, Kent, CT5 3BY. The Groundsure report identifies the site as covering approximately 0.4 hectares and falling within Canterbury City Council's administrative area.

The site is approximately centred at National Grid Reference (NGR) 609798 163848. The site location and Groundsure site outline are shown on the OS MasterMap extract included in Appendix 1.

The permit boundary should be confirmed against the final permit boundary plan. The Groundsure site outline identifies an operational yard and associated buildings at Elysian Fields, with surrounding land predominantly rural/agricultural, woodland, water features and isolated commercial/farm buildings.

Recent aerial imagery reviewed within the Groundsure report indicates that the site has been in use as a developed yard with buildings, hardstanding and external storage areas since at least 1999. The aerial photographs from 1999, 2008, 2012, 2018 and 2021 indicate a broadly similar developed footprint, with changes to external storage and yard layout over time.

Receptors: sensitive receptors identified from the Groundsure review include nearby surface water features approximately 27 m south-east and 71 m south-east, the Swalecliffe Brook WFD catchment, designated ecological sites within 2 km, and nearby areas of ancient woodland and priority habitat. Residential receptors and other third-

party receptors should be confirmed from detailed mapping and the Environmental Risk Assessment.

2. Condition of Land at Permit Issue

Introduction

This Site Condition Report covers the full extent of the Wraik Hill Recycling Limited landholding as shown in Appendix 2. The baseline condition of the site has been determined from a review of the available published information including: -

- Groundsure Enviro+Geo Insight Report (Appendix 3)
- Environment Agency web-based data.
- DEFRA Magic Map

Geology and Hydrogeology

Geology: BGS mapping reported by Groundsure indicates that no artificial or made ground is mapped on site at either 1:10,000 or 1:50,000 scale. No superficial geology is mapped directly beneath the site footprint. Superficial deposits are mapped to the east of the site and comprise Head deposits described as gravel, sand, silt and clay.

Made Ground: Although no artificial ground is mapped in the BGS datasets, made ground may be present locally beneath areas of hardstanding, buildings, external storage areas, service trenches and any historic infilled or levelled areas associated with the operational yard. The composition, thickness and variability of any made ground should be confirmed by intrusive investigation where required for design or environmental risk assessment.

Superficial deposits: No superficial geology is mapped directly beneath the site footprint in the datasets reviewed. Head deposits (gravel, sand, silt and clay) are recorded approximately 132 m and 156 m east of the site.

Bedrock: The bedrock geology recorded on site is the London Clay Formation, described as clay, silt and sand of Ypresian age. The 1:10,000 and 1:50,000 scale datasets both record London Clay Formation on site.

Hydrogeology: The bedrock aquifer designation on site is recorded as Unproductive. The Groundsure report describes this as rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow. Superficial aquifers are not recorded on site, although Secondary A superficial aquifers are mapped approximately 132 m and 156 m east of the site.

Groundwater vulnerability: Groundsure records one groundwater vulnerability classification on site. The summary classification is an Unproductive aquifer, with the combined classification recorded as Unproductive Bedrock Aquifer, No Superficial Aquifer. Soil/surface data indicates a low leaching class, infiltration value of 40-70%, dilution value of less than 300 mm/year and mixed bedrock flow mechanism.

Receptors and controls: No groundwater abstractions are recorded within 2 km. No potable abstractions are recorded within 2 km. No Source Protection Zones (SPZs) or confined aquifer SPZs are recorded within 500 m of the site. Notwithstanding the unproductive aquifer designation, appropriate surfacing, drainage integrity, containment and spill control should be maintained to prevent pollutant migration to ground and nearby surface waters.

Nitrate vulnerability: Groundsure records no Nitrate Sensitive Areas and no Nitrate Vulnerable Zones within the reported search area.

The vulnerability and hydrogeological setting are summarised in Table 1.

Table 1 – vulnerability and hydrogeological setting

Item	Groundsure summary
Superficial aquifer	No superficial aquifer recorded on site. Secondary A superficial aquifers are recorded approximately 132 m E and 156 m E.
Bedrock aquifer	On-site bedrock aquifer recorded as Unproductive.
Groundwater vulnerability	Unproductive Bedrock Aquifer, No Superficial Aquifer. Low leaching class; infiltration 40-70%; dilution <300 mm/year; mixed flow mechanism.
Groundwater abstractions	No groundwater abstractions recorded within 2 km.
Potable abstractions	No potable abstractions recorded within 2 km.
Source Protection Zones	No SPZs or confined aquifer SPZs recorded within 500 m.

Hydrology

The site is located within the Swalecliffe Brook WFD surface water body catchment (Water body ID GB107040019630) and an associated coastal catchment within the Oyster Coast Brooks operational catchment and Stour management catchment.

Surface waters: Ordnance Survey / Groundsure datasets identify water features within 250 m of the site. These include an inland river/watercourse approximately 27 m south-east of the site and a lake, loch or reservoir approximately 71 m south-east of the site. Both are recorded as containing water year-round in normal circumstances.

Water Framework Directive (WFD): The Swalecliffe Brook surface water body is recorded approximately 2,921 m east of the site and is reported as having an ecological rating of Poor in 2022. The chemical rating is recorded as not requiring assessment and the overall rating is reported as no longer applicable.

Surface water abstractions: Groundsure identifies eight licensed surface water abstraction records within 2 km. These relate to Southern Region surface waters at Seasalter Level and are associated with The Royal Society for the Protection of Birds, including active licences for wet fencing and nature conservation and historical licences for general use. No surface water abstractions are recorded within 500 m of the site.

Flood risk (rivers and sea): The Groundsure report indicates no Environment Agency Flood Map for Planning flood risk from rivers and the sea within 50 m. No Flood Zone 2 or

Flood Zone 3 intersections are recorded within 50 m, no historical flood events are recorded within 250 m, and no flood defences, flood storage areas or areas benefiting from flood defences are recorded within 250 m.

Flood risk (surface water and groundwater): Groundsure indicates negligible risk of surface water flooding within 50 m and negligible groundwater flooding within 50 m. Localised surface water ponding may still occur if drainage is overwhelmed, blocked or poorly maintained.

Drainage and receptors: The operational site should maintain effective impermeable surfacing and controlled drainage where waste is stored or handled. Maintaining drainage integrity and spill response arrangements is important because surface water features are present within close proximity to the south-east of the site.

Table 2 – Hydrology and Abstraction Summary

Location	Hydrology / abstraction summary
27 m SE	Inland river / watercourse; on ground surface; contains water year round in normal circumstances.
71 m SE	Lake, loch or reservoir; on ground surface; contains water year round in normal circumstances.
On site	Swalecliffe Brook WFD river catchment and coastal catchment within Oyster Coast Brooks / Stour.
1.1-1.9 km W	Surface water abstraction records associated with Seasalter Level and RSPB, including active wet fencing/nature conservation licences.

Natural Hazards

Shrink-swell clays: Groundsure indicates a moderate shrink-swell hazard on site. It states that ground conditions are predominantly medium plasticity and that significant changes in moisture content may give rise to moderate ground movement.

Running sands: The running sands hazard is assessed as negligible on site. Running sand conditions are not thought to occur whatever the position of the water table.

Compressible and collapsible deposits: The compressible deposits hazard is assessed as negligible on site. The collapsible deposits hazard is assessed as very low on site.

Landslides and dissolution: The landslide hazard is assessed as very low/low within 50 m, with slope instability problems not likely to occur but consideration of adjacent areas recommended. The hazard from ground dissolution of soluble rocks is assessed as negligible.

Radon: Groundsure indicates the site lies in an area where less than 1% of properties are estimated to exceed the Radon Action Level. No radon protection measures are required for standard development based on the Groundsure data.

Current Industrial Land Use and Regulated Activities

Groundsure records no recent industrial land uses, current or recent tanks, current or recent petrol stations, electricity cables or gas pipelines within the relevant on-site/near-site search distances. No sites determined as contaminated land, COMAH sites, regulated explosive sites, hazardous substance storage/usage records, Part A(1) installations, Part A(2)/B installations, radioactive substance authorisations, licensed discharges to controlled waters or pollutant releases to public sewer are recorded within 500 m.

Groundsure identifies one licensed waste site within 500 m: Sunset Farm, Wraik Hill, Whitstable, CT5 3BY, located approximately 80 m south-east of the site. The site is recorded as a deposit of waste to land as a recovery operation, EPR reference EA/EPR/HB3934AZ, operator Hague Construction Limited, with status recorded as surrendered.

Groundsure identifies 108 waste exemption records within 500 m, including multiple records at Elysian Fields, Wraik Hill, Whitstable, CT5 3BY, approximately 6 m north-east of the Groundsure site outline (linked to operator). These include storing, treating, using and disposing of waste exemptions, including storage of waste in a secure place/containers, treatment of waste wood/plant matter, recovery of scrap metal, sorting mixed waste, preparatory treatment, screening/blending and use of waste in construction.

Environmental Designations

The Groundsure report identifies statutory and non-statutory ecological designations within 2 km of the site. Key records are summarised below. The presence of designated sites within the surrounding area reinforces the need for effective dust, litter, noise, drainage and spill controls as part of the bespoke permit application.

Table 3 – Environmental Designations

Designation	Name / habitat	Approximate location
SSSI	The Swale SSSI	700 m W
SSSI	Ellenden Wood SSSI	739 m S
Ramsar	The Swale	700 m W
SAC	Blean Complex	739 m S
SPA	The Swale	700 m W and 807 m NW
Local Nature Reserve	Foxes Cross Bottom	479 m SW
Local Nature Reserve	Seasalter Levels	703 m W / 734 m NW
Ancient Woodland	Rake Hill	291 m N
Ancient Woodland	Lower Pit Wood	411 m NE and 424 m NE
Marine Conservation Zone	The Swale Estuary	1,562 m NW and 1,581 m NW
Priority Habitat	Deciduous woodland	36 m NW, 58 m SW, 101 m S and other records within 250 m

Priority Habitat	Lowland meadows / traditional orchard / good quality semi-improved grassland	Multiple records within 250 m

The site also falls within a SSSI Impact Risk Zone. Any requirements triggered by the proposed waste activity will be assessed through the Environmental Risk Assessment and associated management plans.

Agricultural, Visual and Cultural Designations

Agricultural Land Classification data records the site as Grade 4 agricultural land, described as poor quality agricultural land with severe limitations which significantly restrict the range of crops and/or level of yields. Grade 3 land is recorded approximately 148 m south of the site.

Open Access Land is recorded within 250 m, with two records identified. Environmental Stewardship and Countryside Stewardship scheme records are also recorded on and/or around the site in the Groundsure report.

No World Heritage Sites, Areas of Outstanding Natural Beauty, National Parks, Listed Buildings, Conservation Areas, Scheduled Ancient Monuments or Registered Parks and Gardens are recorded within the Groundsure search distances.

Site History

Past land use: Groundsure identifies no historical industrial land use records on site. Within 500 m, Groundsure identifies a refuse heap approximately 75 m north recorded in 1973 and an unspecified heap approximately 294 m north-east recorded in 1974. Historical tank records are identified approximately 409 m north-east in 1956 and 1957. No historical energy features, petrol stations, garages or military land are recorded within 500 m.

Waste and landfill history: Groundsure identifies no active or recent landfill records and no BGS historical landfill records within 500 m. Local Authority/mapping records identify historical refuse tips approximately 70 m north and 114 m north, recorded in 1971 and 1970 respectively. The Environment Agency / NRW historical landfill dataset records a Wraik Hill landfill approximately 74 m north, site reference CA3, 2200/7223, waste type inert, with licence issue date 01/01/1976 and last recorded date 31/12/1973.

Historical waste sites: Groundsure identifies no historical waste sites within 500 m. A surrendered licensed waste site at Sunset Farm is recorded approximately 80 m south-east of the site, as noted above.

Aerial imagery: Groundsure provides aerial photographs from 1999, 2008, 2012, 2018 and 2021. These show the site as a developed yard with buildings and areas of hardstanding/external storage over the period reviewed. The wider area is predominantly rural/agricultural with woodland and isolated developed plots.

Mining and ground workings: Groundsure identifies a surface ground working record approximately 75 m north, associated with the refuse heap recorded in 1973. No underground workings, underground mining extents, historical mineral planning areas, non-coal mining, coal mining, brine, gypsum, tin or clay mining records are recorded within the relevant search distances.

Pollution Incidents

Groundsure identifies four substantiated pollution incidents within 500 m of the site. The incidents occurred between 2001 and 2003 and relate to inert materials and wastes, construction and demolition wastes, household waste, and soils and clay. The reported impacts are minor or no impact, with one incident recording a minor water impact.

Table 4 – Summary of pollution incidents

Location	Date	Pollutant description	Reported impact
60 m N	09/07/2002	Construction and Demolition Materials and Wastes	Water: No Impact; Land: Minor; Air: No Impact
92 m S	11/03/2003	Household Waste	Water: No Impact; Land: Minor; Air: Minor
279 m SW	12/03/2003	Construction and Demolition Materials and Wastes	Water: No Impact; Land: Minor; Air: No Impact
366 m NE	20/08/2001	Soils and Clay	Water: Minor; Land: Minor; Air: No Impact

Soil Chemistry

BGS estimated background soil chemistry values are provided by Groundsure for the site. These are broad scale estimated background concentrations and may differ if intrusive sampling were to be undertaken.

Table 5 – BGS estimated soil chemistry background concentrations of heavy metals

Element	Estimated background concentration
Arsenic	15 - 25 mg/kg
Lead	100 mg/kg
Bioaccessible lead	60 mg/kg
Cadmium	1.8 mg/kg
Chromium	60 - 90 mg/kg
Nickel	15 - 30 mg/kg

Site Investigation and Assessment Reports

This Site Condition Report has been prepared on a Desk Study basis in order to characterise the baseline conditions at the site. No relevant site investigation data or associated reports were available that would have enabled any further meaningful characterisation to take place.

Baseline Data

As discussed in section 2.6.1 above, no site-specific intrusive baseline reference data was considered necessary for review at the application stage to determine the current ground conditions of the application site.

The historical use of the site and surrounding area presents the possibility of historic contamination beneath and around the site. The yard is concrete sealed, and it is not considered the best course of action to disturb the concrete to carry out intrusive investigation.

3. Permitted Facility

Permitted Activities

The operation proposes an annual tonnage of 75,000 tonnes per annum, under the following activities:

R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on to the site where it is produced).

R3: Recycling/reclamation of organic substances which are not used as solvents.

R4: Recycling/reclamation of metals and metal compounds

R5: Recycling/reclamation of other inorganic materials

D9: Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12.

Non-Permitted Activities

All operations at the site are supported by office accommodation, access road and welfare facilities etc, which will not be subject to the requirements of the Environmental Permit.

Preventative Measures

The primary mitigation from potential pollution is the storage of potential polluting substances within appropriate engineered areas. In addition to this, emergency procedures are in place to deal promptly with any spillage of dangerous substances onsite.

4. Statement of Site Condition

At the time of the permit application, the site comprised of a building that can be used as a waste transfer station and open yard area for storage and vehicle movements. The operational area included a four-sided building for the receipt, tipping and sorting of waste, together with external areas used for vehicle movements, plant operation and the storage of covered skips.

The floor within the waste reception and treatment building is constructed from concrete, providing a physical barrier between the proposed waste activities and the underlying ground. The external operational yard is also formed from hardstanding. The yard to be generally level and currently housing plant with no obvious evidence of significant surface staining, standing contaminated water, uncontrolled waste deposits or visible ground contamination at the time of the visit.

Mixed waste brought to the site will be tipped and sorted within the four-sided building. Treatment will be limited to sorting, separation and bulking, including the use of a 360-degree material handler. Separated waste streams will then be placed directly into designated skips or containers pending removal to appropriately permitted facilities. Waste stored externally will be retained within covered skips to reduce contact with rainfall and minimise the potential generation of contaminated runoff.

The concrete floor within the building and the external hardstanding reduce the potential for direct contact between waste and the underlying soil. The building walls also provide a degree of containment, while the entrances are reported to incorporate falls intended to prevent the ingress of surface water. Plant used for waste handling will operate within the building, meaning that any minor leaks or spillages arising during treatment would occur over the concrete floor where they can be identified, contained and cleaned.

No evidence has been provided of intrusive ground investigation, soil sampling or groundwater monitoring undertaken specifically for the environmental permit application. The baseline condition has therefore been established primarily through the Groundsure desk study, available aerial photography and a site visit.

The Groundsure report does not identify historical industrial land uses, tanks, garages, petrol stations or licensed industrial activities directly within the application site. It does, however, identify historical waste-related activities in the surrounding area, including a refuse heap approximately 75 metres north of the site and historical refuse tips approximately 70 metres and 114 metres north. These off-site records have been considered when establishing the environmental setting of the facility.

The site is underlain by a bedrock aquifer and is located within an area of identified groundwater vulnerability. No groundwater abstractions or Source Protection Zones are

recorded on or within 500 metres of the site. The Groundsure assessment records negligible risks from surface-water and groundwater flooding within 50 metres.

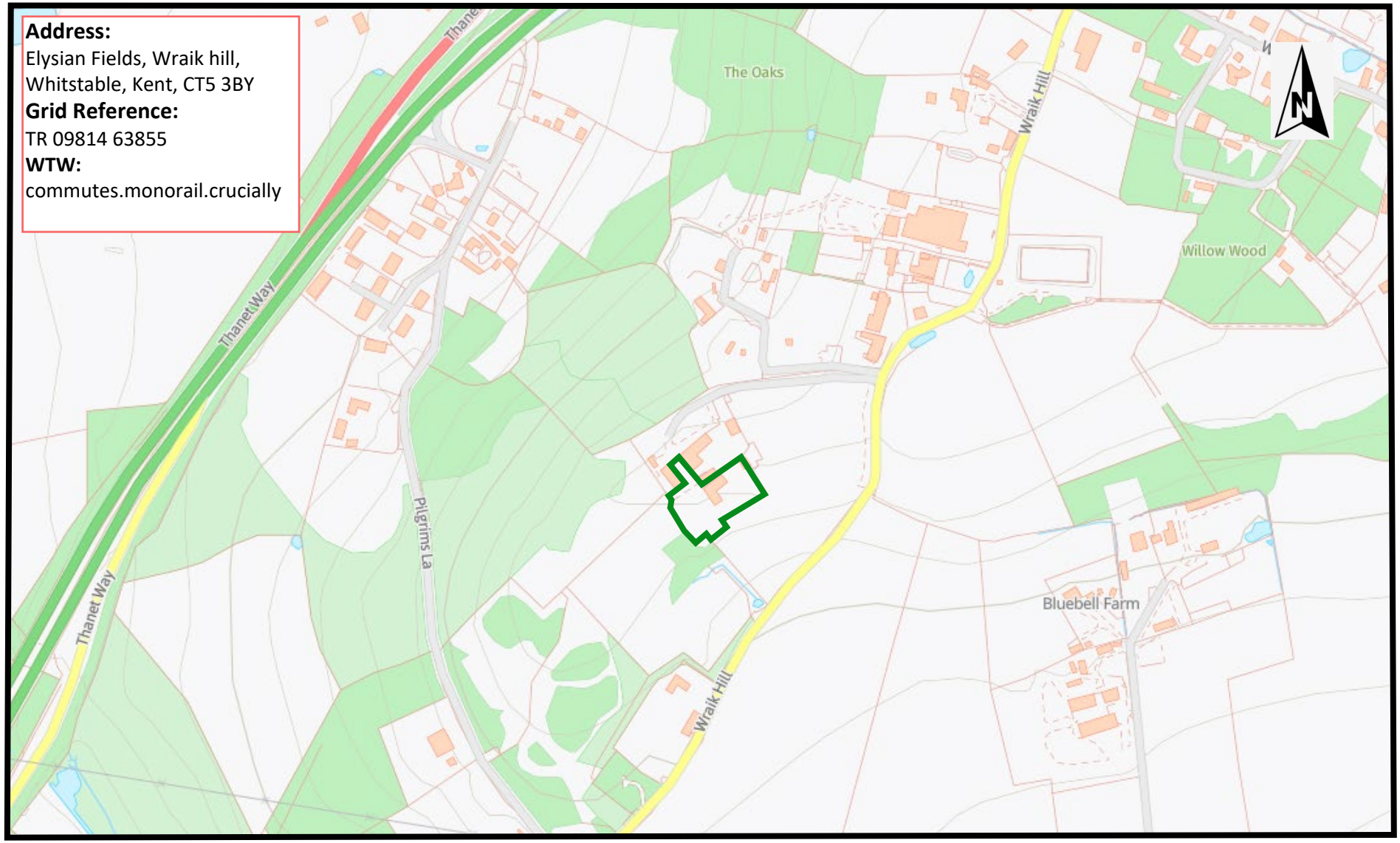
On the basis of the information available, there is no evidence of significant existing contamination directly attributable to the proposed permitted activities. The concrete building floor and external hardstanding should be inspected and maintained throughout the life of the permit. Any cracks, damaged areas, unsealed joints or deterioration capable of allowing pollutants to enter the underlying ground should be repaired promptly. Any evidence of staining, leaks or spillages should be recorded, investigated and cleaned in accordance with the site's Environmental Management System.

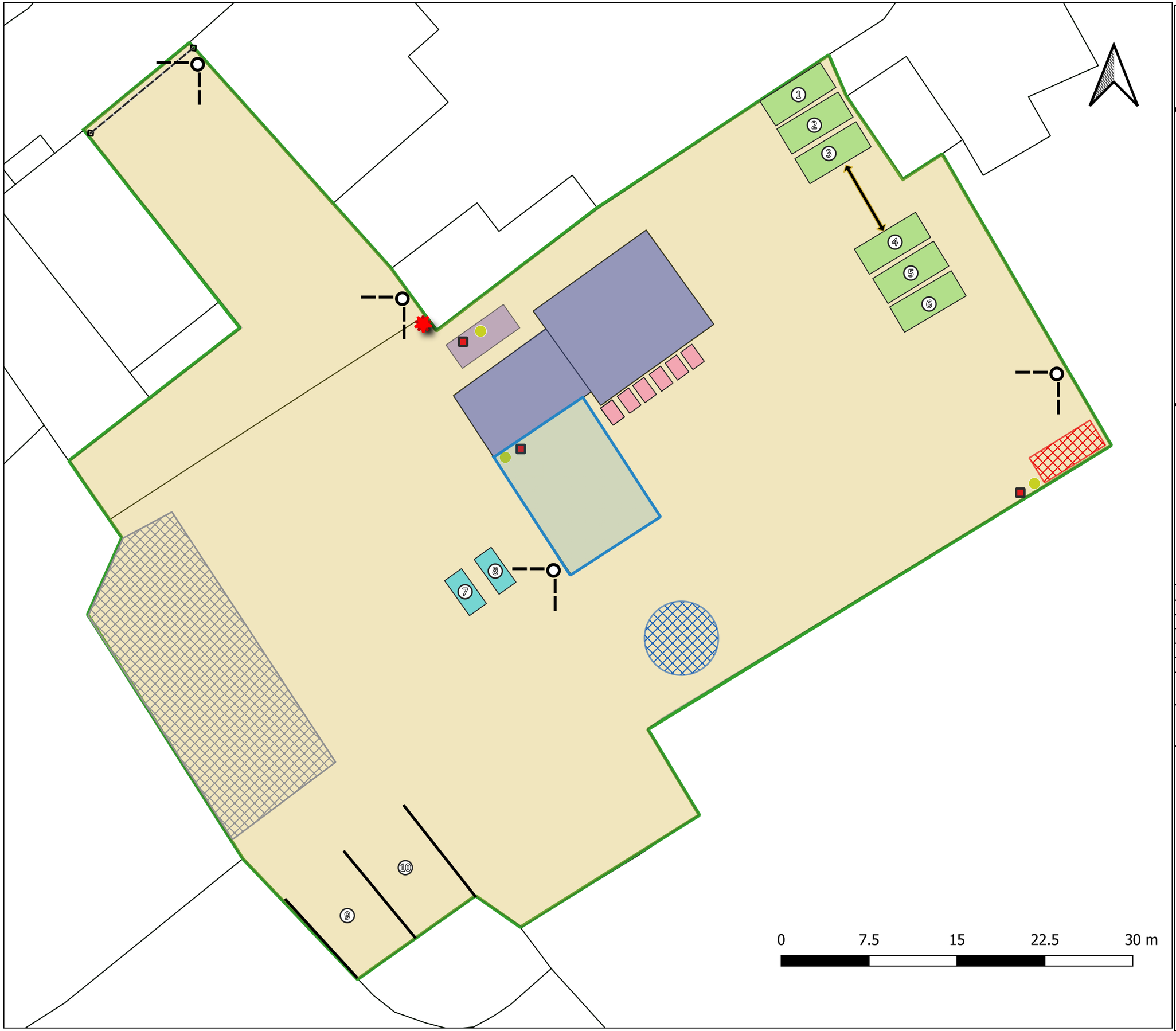
This statement represents the baseline condition of the permitted site at the time of the application. It should be retained and updated throughout the operational life of the facility, including records of surface repairs, significant spills, pollution incidents and any future soil or groundwater investigation, so that the condition of the land can be assessed when the permit is eventually surrendered.

End of Document

Site Location Plan

Address:
Elysian Fields, Wraik hill,
Whitstable, Kent, CT5 3BY
Grid Reference:
TR 09814 63855
WTW:
commutes.monorail.crucially





Key:

- Permit Boundary
- 6m Buffer
- Bunded Kerb
- Lego Block Bay
- Main Site Entrance
- Diesel Tank
- Fire Extinguisher
- Spill kit
- 4 Yard Skips
- 40 Yard Ro-Ro
- COSHH Storage
- HardStanding
- Mobile Plant Storage
- Quarantine Container
- Skip Storage
- Sorting Shed
- 8 Yard Skips
- Workshop
- CCTV

Drawing Title:SL Plan Wraik Hill Recycling
Ref: 004.2_09_004
Scale: 1:12093 (A3)
Date: 2026-06-11
Revison: V1
Drawn By: Teddy Griffiths
Address: Elysian Fields, Wraik Hill, Whistable, CT5 3BY

Changelog:
- N/A

THE PERMITTING COMPANY

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

ELYSIAN FIELDS, WRAIK HILL, WHITSTABLE, KENT, CT5 3BY

Order Details

Date: 04/06/2026

Your ref: Elysian Fields

Our Ref: GS-3LJ-L4O-9GM-1L9

Site Details

Location: 609798 163848

Area: 0.4 ha

Authority: Canterbury City Council ↗

Site plan



Quick Links

Summary of findings p. 2 >

OS MasterMap site plan p.14 >

Aerial image p. 9 >

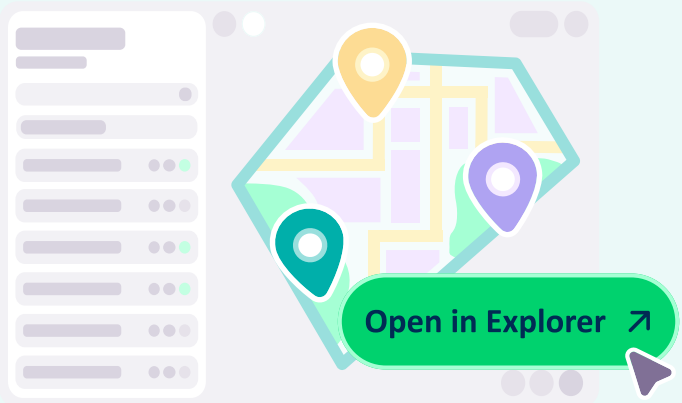
Insight User Guide ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Revisit and collaborate with your team

Access to Groundsure Explorer requires an Insights account.
12 months access begins at purchase.



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

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Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	1	1	-
16 >	1.2 >	Historical tanks >	0	0	0	2	-
16	1.3	Historical energy features	0	0	0	0	-
16	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	0	0	0	-
17	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
18 >	2.1 >	Historical industrial land uses >	0	0	1	1	-
19 >	2.2 >	Historical tanks >	0	0	0	2	-
19	2.3	Historical energy features	0	0	0	0	-
19	2.4	Historical petrol stations	0	0	0	0	-
19	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
20	3.1	Active or recent landfill	0	0	0	0	-
20	3.2	Historical landfill (BGS records)	0	0	0	0	-
21 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	2	0	-
21 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
21	3.5	Historical waste sites	0	0	0	0	-
22 >	3.6 >	Licensed waste sites >	0	0	1	0	-
22 >	3.7 >	Waste exemptions >	0	35	1	72	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
31	4.1	Recent industrial land uses	0	0	0	-	-
31	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
32	4.3	Current or recent petrol stations	0	0	0	0	-
32	4.4	Electricity cables	0	0	0	0	-
32	4.5	Gas pipelines	0	0	0	0	-

32	4.6	Sites determined as Contaminated Land	0	0	0	0	-
32	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
33	4.8	Regulated explosive sites	0	0	0	0	-
33	4.9	Hazardous substance storage/usage	0	0	0	0	-
33	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
33	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
33	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
34	4.13	Radioactive Substance Authorisations	0	0	0	0	-
34	4.14	Licensed Discharges to controlled waters	0	0	0	0	-
34	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
34	4.16	Pollutant release to public sewer	0	0	0	0	-
34	4.17	List 1 Dangerous Substances	0	0	0	0	-
35	4.18	List 2 Dangerous Substances	0	0	0	0	-
35 >	**4.19 >**	**Pollution Incidents (EA/NRW) >**	0	0	2	2	-
36	4.20	Pollution inventory substances	0	0	0	0	-
36	4.21	Pollution inventory waste transfers	0	0	0	0	-
36	4.22	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
37 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
39 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
40 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
41	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
41	5.5	Groundwater vulnerability- local information	None (within 0m)				
42	5.6	Groundwater abstractions	0	0	0	0	0
43 >	**5.7 >**	**Surface water abstractions >**	0	0	0	0	8
45	5.8	Potable abstractions	0	0	0	0	0
45	5.9	Source Protection Zones	0	0	0	0	-
45	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m

46 >	6.1 >	Water Network (OS NGD) >	0	1	1	-	-
47 >	6.2 >	Surface water features >	0	1	0	-	-
47 >	6.3 >	WFD Surface water body catchments >	2	-	-	-	-
48 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
48	6.5	WFD Groundwater bodies	0	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
49	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
49	7.2	Historical Flood Events	0	0	0	-	-
49	7.3	Flood Defences	0	0	0	-	-
50	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
50	7.5	Flood Storage Areas	0	0	0	-	-
51	7.6	Flood Zone 2	None (within 50m)				
51	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
52	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
53 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
54 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	2
55 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	0	1
55 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	1
56 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	0	2
56	10.5	National Nature Reserves (NNR)	0	0	0	0	0
57 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	1	2
57 >	10.7 >	Designated Ancient Woodland >	0	0	0	3	7
58	10.8	Biosphere Reserves	0	0	0	0	0
58	10.9	Forest Parks	0	0	0	0	0
58 >	10.10 >	Marine Conservation Zones >	0	0	0	0	2
58	10.11	Green Belt	0	0	0	0	0

59	10.12	Proposed Ramsar sites	0	0	0	0	0
59	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
59	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
59	10.15	Nitrate Sensitive Areas	0	0	0	0	0
60	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
61 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
62 >	10.18 >	SSSI Units >	0	0	0	0	13
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
69	11.1	World Heritage Sites	0	0	0	-	-
69	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
69	11.3	National Parks	0	0	0	-	-
69	11.4	Listed Buildings	0	0	0	-	-
70	11.5	Conservation Areas	0	0	0	-	-
70	11.6	Scheduled Ancient Monuments	0	0	0	-	-
70	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
71 >	12.1 >	Agricultural Land Classification >	Grade 3 (within 250m)				
72 >	12.2 >	Open Access Land >	0	0	2	-	-
72	12.3	Tree Felling Licences	0	0	0	-	-
72 >	12.4 >	Environmental Stewardship Schemes >	1	0	0	-	-
73 >	12.5 >	Countryside Stewardship Schemes >	2	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
74 >	13.1 >	Priority Habitat Inventory >	0	1	13	-	-
75	13.2	Habitat Networks	0	0	0	-	-
75	13.3	Open Mosaic Habitat	0	0	0	-	-
75	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
77 >	14.1 >	10k Availability >	Identified (within 500m)				
78	14.2	Artificial and made ground (10k)	0	0	0	0	-

79 >	14.3 >	Superficial geology (10k) >	0	0	2	0	-
80	14.4	Landslip (10k)	0	0	0	0	-
81 >	14.5 >	Bedrock geology (10k) >	1	0	1	0	-
82	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
83 >	15.1 >	50k Availability >	Identified (within 500m)				
84	15.2	Artificial and made ground (50k)	0	0	0	0	-
84	15.3	Artificial ground permeability (50k)	0	0	-	-	-
85 >	15.4 >	Superficial geology (50k) >	0	0	1	0	-
86	15.5	Superficial permeability (50k)	None (within 50m)				
86	15.6	Landslip (50k)	0	0	0	0	-
86	15.7	Landslip permeability (50k)	None (within 50m)				
87 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
88 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
88	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
89	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence >					
90 >	17.1 >	Shrink swell clays >	Moderate (within 50m)				
91 >	17.2 >	Running sands >	Negligible (within 50m)				
92 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
93 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
94 >	17.5 >	Landslides >	Low (within 50m)				
96 >	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
98	18.1	BritPits	0	0	0	0	-
99 >	18.2 >	Surface ground workings >	0	0	1	-	-
99	18.3	Underground workings	0	0	0	0	0
99	18.4	Underground mining extents	0	0	0	0	-

99	18.5	Historical Mineral Planning Areas	0	0	0	0	-
100	18.6	Non-coal mining	0	0	0	0	0
100	18.7	JPB mining areas	None (within 0m)				
100	18.8	The Coal Authority non-coal mining	0	0	0	0	-
100	18.9	Researched mining	0	0	0	0	-
101	18.10	Mining record office plans	0	0	0	0	-
101	18.11	BGS mine plans	0	0	0	0	-
101	18.12	Coal mining	None (within 0m)				
101	18.13	Brine areas	None (within 0m)				
101	18.14	Gypsum areas	None (within 0m)				
102	18.15	Tin mining	None (within 0m)				
102	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
103	19.1	Natural cavities	0	0	0	0	-
103	19.2	Mining cavities	0	0	0	0	0
103	19.3	Reported recent incidents	0	0	0	0	-
103	19.4	Historical incidents	0	0	0	0	-
Page	Section	**Radon** >					
105 >	**20.1** >	**Radon** >	Less than 1% (within 0m)				
Page	Section	**Soil chemistry** >	On site	0-50m	50-250m	250-500m	500-2000m
107 >	**21.1** >	**BGS Estimated Background Soil Chemistry** >	1	0	-	-	-
107	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
107	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
108	22.1	Underground railways (London)	0	0	0	-	-
108	22.2	Underground railways (Non-London)	0	0	0	-	-
108	22.3	Railway tunnels	0	0	0	-	-
108	22.4	Historical railway and tunnel features	0	0	0	-	-
108	22.5	Royal Mail tunnels	0	0	0	-	-

109	22.6	Historical railways	0	0	0	-	-
109	22.7	Railways	0	0	0	-	-
109	22.8	Crossrail 2	0	0	0	0	-
109	22.9	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 07/04/2021

Site Area: 0.4ha

Recent site history - 2018 aerial photograph



Capture Date: 21/10/2018

Site Area: 0.4ha

Recent site history - 2012 aerial photograph



Capture Date: 25/05/2012

Site Area: 0.4ha

Recent site history - 2008 aerial photograph



Capture Date: 20/09/2008

Site Area: 0.4ha

Recent site history - 1999 aerial photograph



Capture Date: 28/08/1999

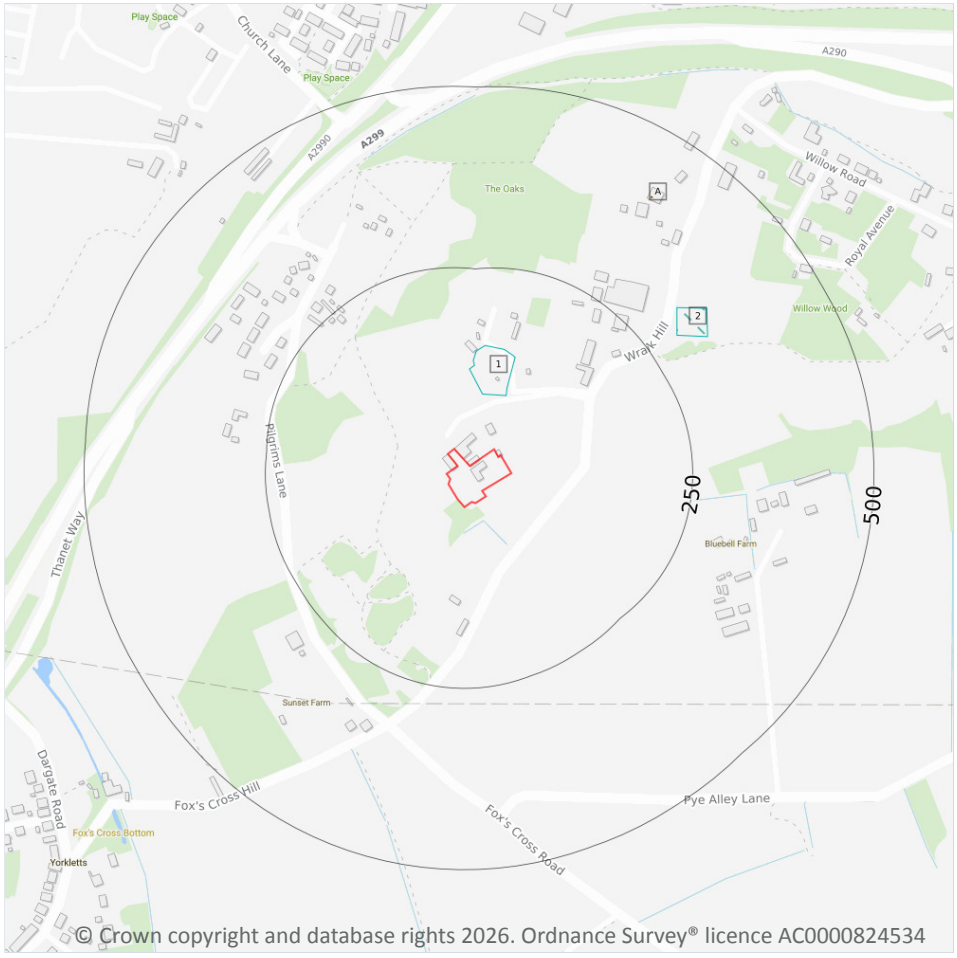
Site Area: 0.4ha

OS MasterMap site plan



Site Area: 0.4ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

1.1 Historical industrial land uses

Records within 500m	2

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 15 >**

ID	Location	Land use	Dates present	Group ID
1	75m N	Refuse Heap	1973	2383574

ID	Location	Land use	Dates present	Group ID
2	294m NE	Unspecified Heap	1974	2388769

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m	2

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 15 >**

ID	Location	Land use	Dates present	Group ID
A	409m NE	Unspecified Tank	1956	446303
A	409m NE	Unspecified Tank	1957	445474

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m	0

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'.

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	0

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'.

This data is sourced from Ordnance Survey® / Groundsure.

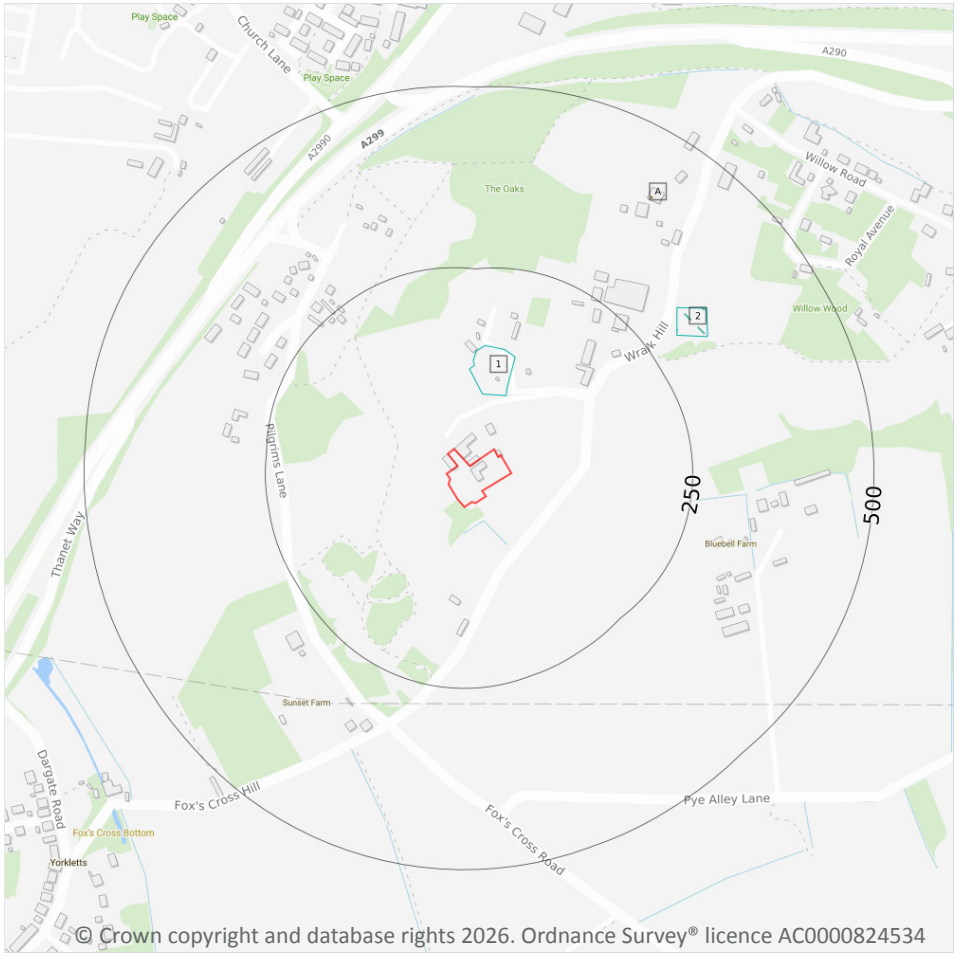
1.6 Historical military land

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

2.1 Historical industrial land uses

Records within 500m	2

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 18 >**

ID	Location	Land Use	Date	Group ID
1	75m N	Refuse Heap	1973	2383574
2	294m NE	Unspecified Heap	1974	2388769

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m	2

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 18 >**

ID	Location	Land Use	Date	Group ID
A	409m NE	Unspecified Tank	1956	446303
A	409m NE	Unspecified Tank	1957	445474

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m	0

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'.

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.

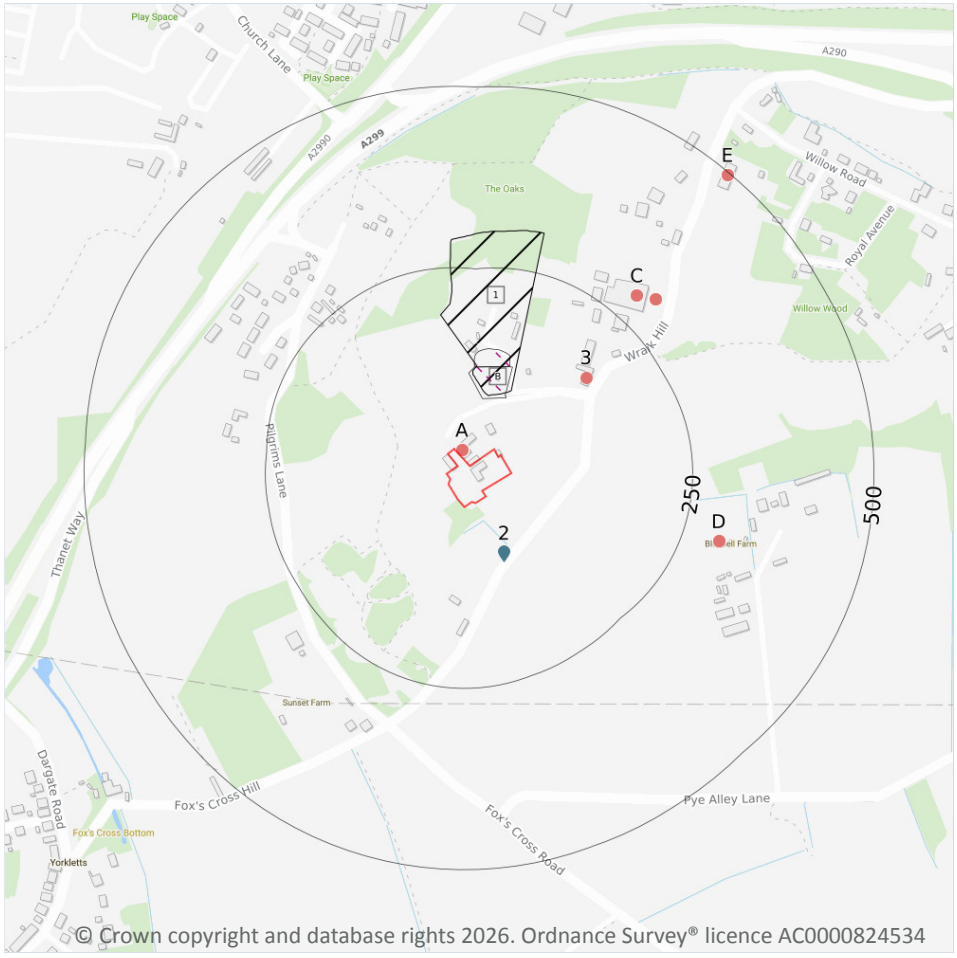
2.5 Historical garages

Records within 500m	0

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'.

This data is sourced from Ordnance Survey® / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical landfill (LA/OS)

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	2

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

Features are displayed on the Waste and landfill map on **page 20 >**

ID	Location	Site address	Source	Data type
B	70m N	Refuse Tip	1971 mapping	Polygon
B	114m N	Refuse Tip	1970 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

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 20 >**

ID	Location	Details		
1	74m N	Site Address: Wraik Hill, Whitstable, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: CA3, 2200/7223 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: 31/12/1973

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

3.5 Historical waste sites

Records within 500m	0

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

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

3.6 Licensed waste sites

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 20 >**

ID	Location	Details		
2	80m SE	Site Name: Sunset Farm Site Address: Sunset Farm, Wraik Hill, Whitstable, Kent, CT5 3BY Correspondence Address: -	Type of Site: Deposit of waste to land as a recovery operation Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 660877 EPR reference: EA/EPR/HB3934AZ Operator: Hague Construction Limited Waste Management licence No: 104401 Annual Tonnage: 0	Issue Date: 15/10/2012 Effective Date: 15/10/2012 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	108

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 20 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	Storing waste exemption	On a farm	Storage of waste in a secure place
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	Storing waste exemption	On a farm	Storage of waste in secure containers
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	Using waste exemption	On a farm	Use of waste for a specified purpose
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	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	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	Using waste exemption	On a farm	Use of waste in construction
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX004028	Storing waste exemption	On a farm	Storage of waste in a secure place
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	Disposing of waste exemption	On a farm	Burning waste in the open
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	Treating waste exemption	On a farm	Recovery of scrap metal
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252705	Using waste exemption	On a farm	Use of depolluted end-of-life vehicles for vehicle parts
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX252853	Treating waste exemption	On a farm	Sorting mixed waste
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX253315	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX253315	Using waste exemption	On a farm	Use of waste for a specified purpose
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX253315	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX253315	Disposing of waste exemption	On a farm	Disposal by incineration
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX253315	Treating waste exemption	On a farm	Manual treatment of waste
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX253315	Treating waste exemption	On a farm	Screening and blending of waste
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX253315	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380397	Treating waste exemption	On a farm	Sorting mixed waste
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380911	Disposing of waste exemption	On a farm	Disposal by incineration
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Using waste exemption	On a farm	Use of waste for a specified purpose
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Using waste exemption	On a farm	Use of depolluted end-of-life vehicles for vehicle parts
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Treating waste exemption	On a farm	Recovery of scrap metal
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Disposing of waste exemption	On a farm	Burning waste in the open
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Storing waste exemption	On a farm	Storage of waste in secure containers
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380253	Storing waste exemption	On a farm	Storage of waste in a secure place
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380911	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380911	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380911	Treating waste exemption	On a farm	Screening and blending of waste
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380911	Treating waste exemption	On a farm	Manual treatment of waste
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380911	Using waste exemption	On a farm	Use of waste for a specified purpose
A	6m NE	Elysian Fields, Wraik Hill, Whitstable, Ct5 3by	WEX380911	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
3	158m NE	Wraik Hill, Whitstable, Ct5 3by	WEX248973	Using waste exemption	Not on a farm	Use of waste in construction
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Using waste exemption	On a farm	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Disposing of waste exemption	On a farm	Disposal by incineration
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Disposing of waste exemption	On a farm	Burning waste in the open
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Treating waste exemption	On a farm	Sorting mixed waste
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Treating waste exemption	On a farm	Screening and blending of waste
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Treating waste exemption	On a farm	Recovery of scrap metal
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Using waste exemption	On a farm	Use of depolluted end-of-life vehicles for vehicle parts
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Disposing of waste exemption	On a farm	Burning waste in the open
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Using waste exemption	On a farm	Use of waste in construction
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Using waste exemption	On a farm	Use of waste for a specified purpose
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Using waste exemption	On a farm	Incorporation of ash into soil
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters

ID	Location	Site	Reference	Category	Sub-Category	Description
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Storing waste exemption	On a farm	Storage of waste in secure containers
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Storing waste exemption	On a farm	Storage of waste in a secure place
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Using waste exemption	On a farm	Use of mulch
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Using waste exemption	On a farm	Use of depolluted end-of-life vehicles for vehicle parts
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Treating waste exemption	On a farm	Screening and blending of waste
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Treating waste exemption	On a farm	Recovery of scrap metal
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Treating waste exemption	On a farm	Sorting mixed waste
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX259881	Disposing of waste exemption	On a farm	Disposal by incineration
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Using waste exemption	On a farm	Use of waste for a specified purpose
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Storing waste exemption	On a farm	Storage of waste in secure containers
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Storing waste exemption	On a farm	Storage of waste in a secure place
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Using waste exemption	On a farm	Incorporation of ash into soil
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX118883	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX395457	Using waste exemption	On a farm	Use of waste in construction
C	288m NE	Brookfield Farm, Wraik Hill, Whitstable, Ct5 3by	WEX389613	Using waste exemption	On a farm	Use of waste in construction
D	301m E	Bluebell Farm Pye Alley Lane Whitstable Kent Ct5 3ax	EPR/VE5089CH/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
D	301m E	Bluebell Farm Pye Alley Lane Whitstable Kent Ct5 3ax	EPR/VE5089CH/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
D	301m E	Bluebell Farm Pye Alley Lane Whitstable Kent Ct5 3ax	EPR/VE5089CH/A001	Using waste exemption	Non-agricultural waste only	Use of waste for a specified purpose
D	302m E	Bluebell Farm, Pye Alley Lane, Whitstable, Ct5 3ax	WEX225984	Disposing of waste exemption	On a farm	Burning waste in the open
D	302m E	Bluebell Farm, Pye Alley Lane, Whitstable, Ct5 3ax	WEX134592	Using waste exemption	On a farm	Use of waste in construction
D	302m E	Bluebell Farm, Pye Alley Lane, Whitstable, Ct5 3ax	WEX354424	Disposing of waste exemption	On a farm	Burning waste in the open
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit

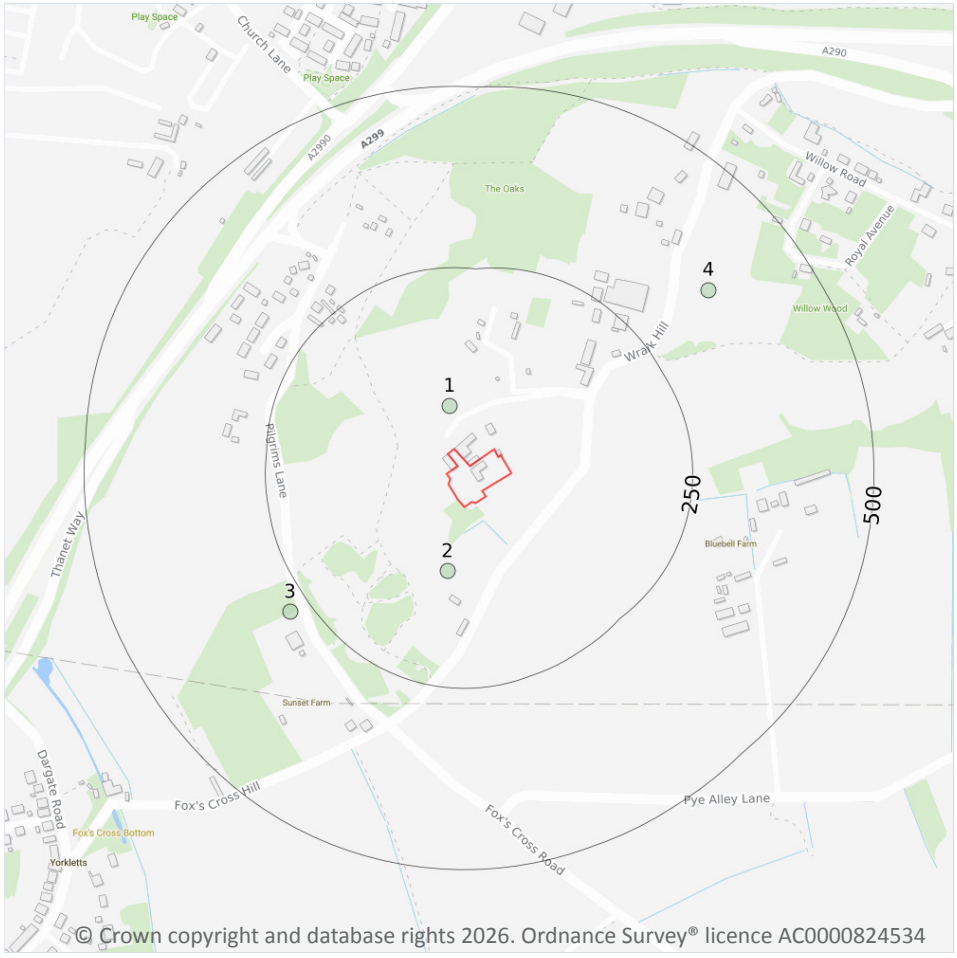
ID	Location	Site	Reference	Category	Sub-Category	Description
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of baled end-of-life tyres in construction
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from a portable sanitary convenience
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste

ID	Location	Site	Reference	Category	Sub-Category	Description
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
C	302m NE	Brookfield Farm Wraik Hill Whitstable Kent Ct5 3by	EPR/JF0601MW/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
E	495m NE	-	WEX264602	Using waste exemption	On a farm	Use of waste in construction
E	495m NE	-	WEX264602	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	495m NE	-	WEX264602	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Using waste exemption	On a farm	Use of mulch
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Disposing of waste exemption	On a farm	Burning waste in the open
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Using waste exemption	On a farm	Incorporation of ash into soil
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Using waste exemption	On a farm	Spreading waste on non-agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX369225	Using waste exemption	On a farm	Use of waste in construction
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX392123	Using waste exemption	On a farm	Use of waste in construction
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX392123	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	495m NE	The Lords, Wraik Hill, Whitstable, Ct5 3by	WEX392123	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	0

Current potentially contaminative industrial sites.

This data is sourced from Ordnance Survey®.

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

Records within 250m	0

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

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.9 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.11 Licensed industrial activities (Part A(1))

Records within 500m	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.

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

Records within 500m	0

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

This data is sourced from Local Authority records.

4.13 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.14 Licensed Discharges to controlled waters

Records within 500m	0

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

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

4.15 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.16 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m	0

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

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

4.18 List 2 Dangerous Substances

Records within 500m	0

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

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m	4

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 31 >**

ID	Location	Details	
1	60m N	Incident Date: 09/07/2002 Incident Identification: 90231 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)
2	92m S	Incident Date: 11/03/2003 Incident Identification: 142304 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
3	279m SW	Incident Date: 12/03/2003 Incident Identification: 142536 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)
4	366m NE	Incident Date: 20/08/2001 Incident Identification: 25369 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.20 Pollution inventory substances

Records within 500m	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.

4.21 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.

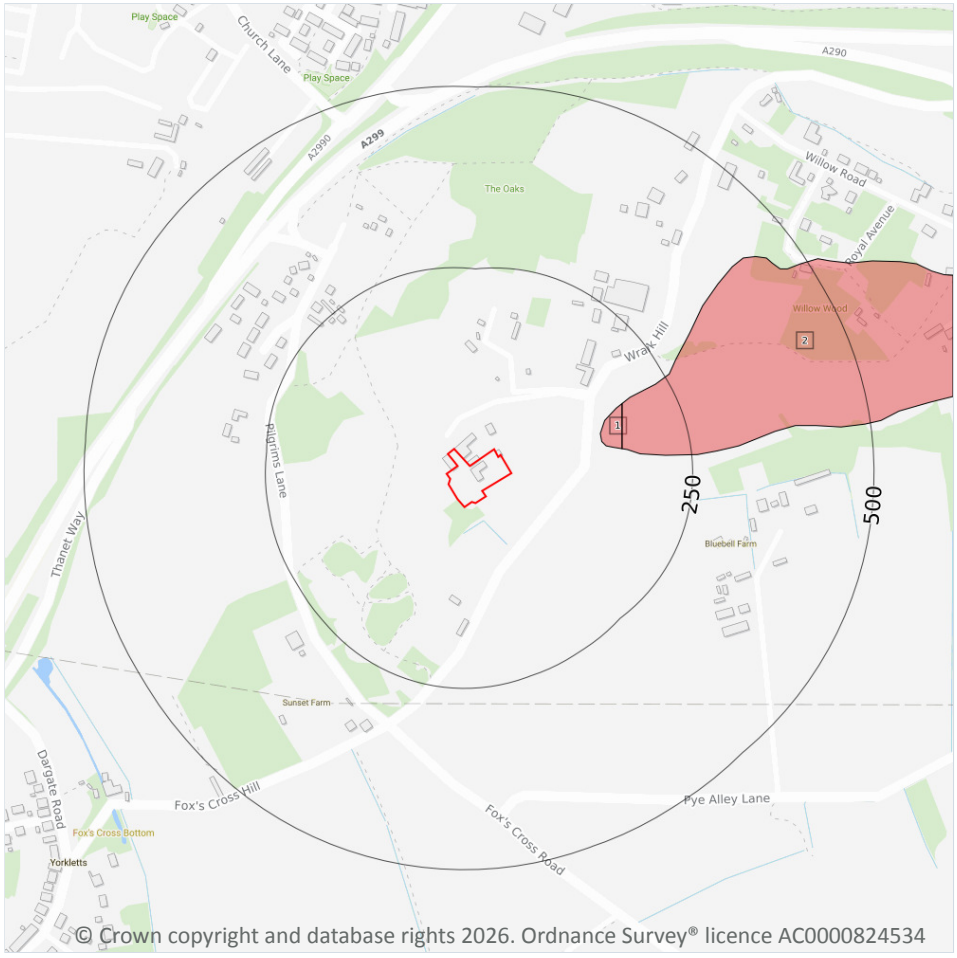
4.22 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 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	2

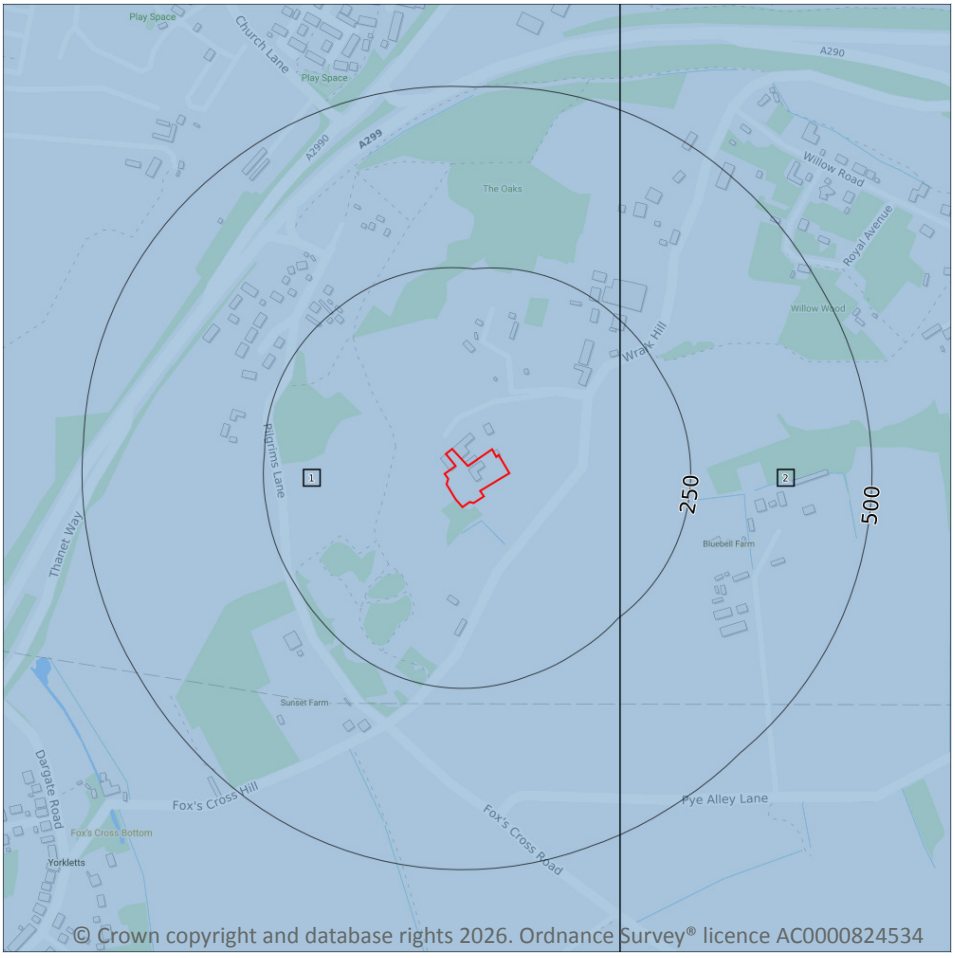
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 37 >**

ID	Location	Designation	Description
1	132m 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
2	156m 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

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	2

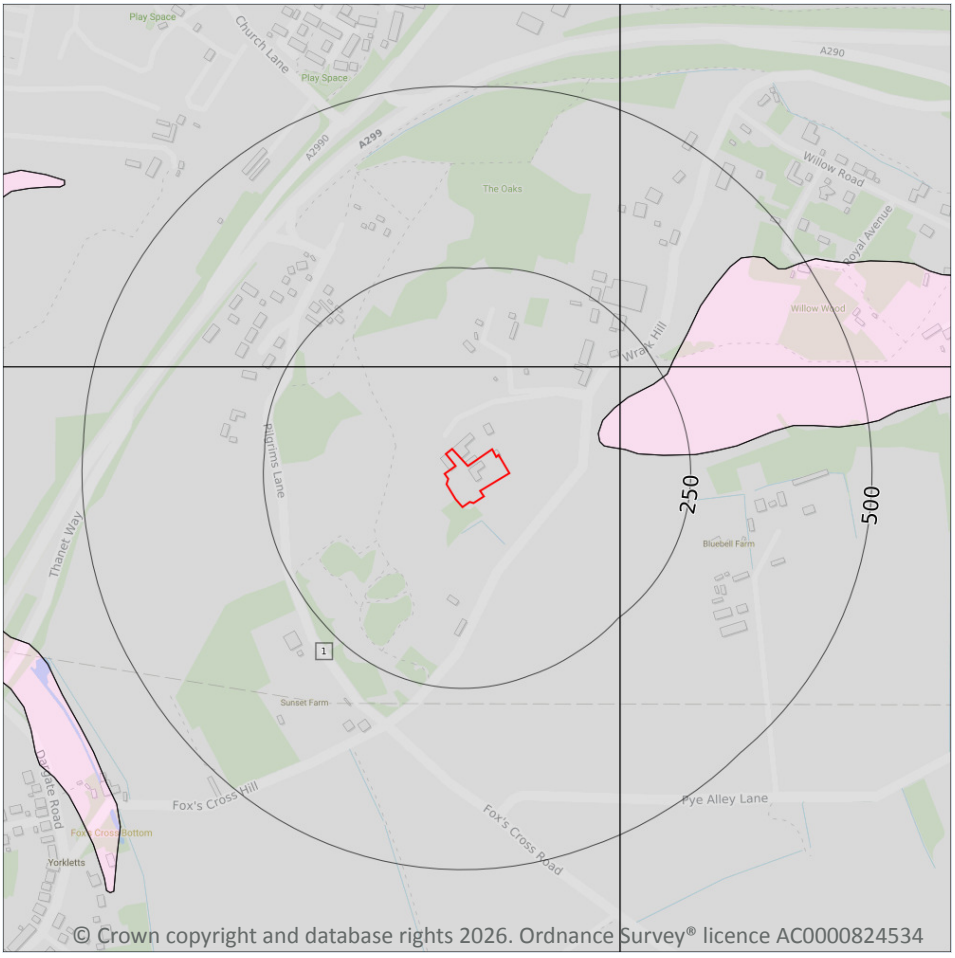
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 39 >**

ID	Location	Designation	Description
1	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
2	153m 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.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

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

Bedrock vulnerability

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

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	1

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 40 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	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: <300mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed**

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.

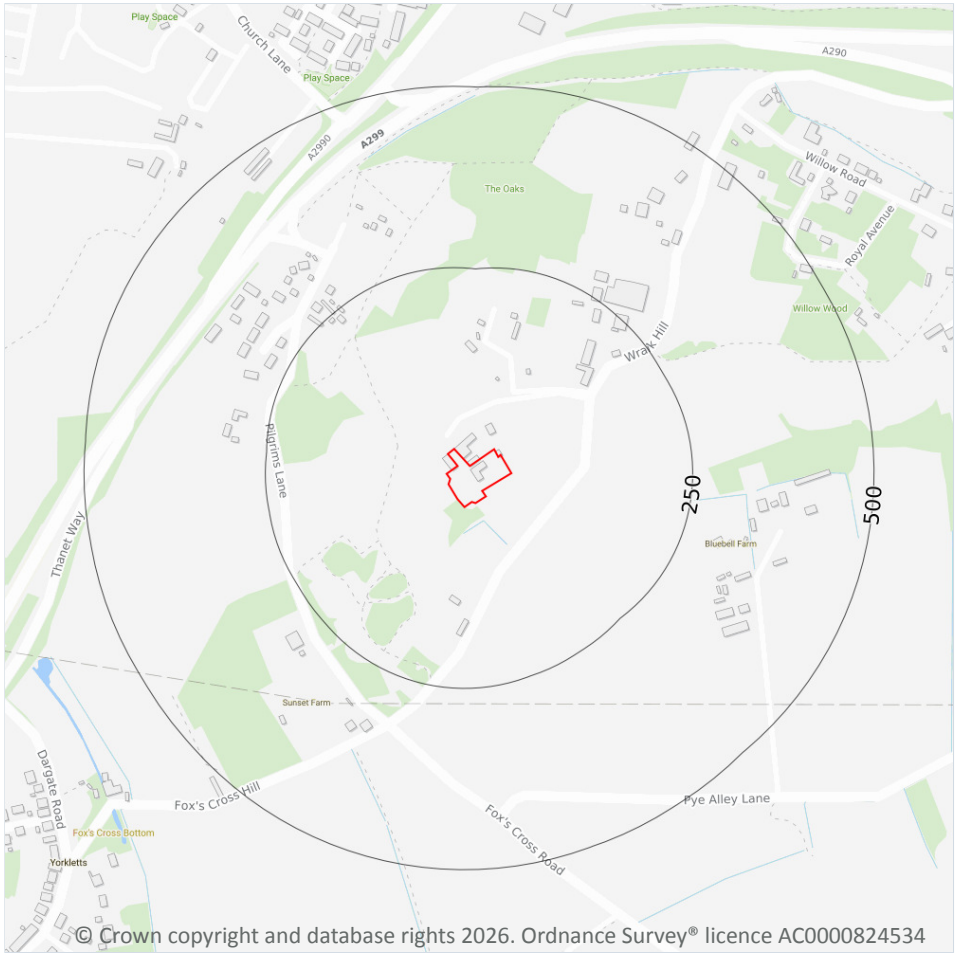
5.5 Groundwater vulnerability- local information

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	0

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.

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

5.7 Surface water abstractions

Records within 2000m	8

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 42 >**

ID	Location	Details	
-	1110m W	Status: Historical Licence No: SO/040/0008/006/R01 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Southern Region Surface Waters Point: RE-ABSTRACTION AREA EDGED RED ON MAP - SEASALTER LEVEL Data Type: Poly4 Name: The Royal Society for the Protection of Birds Easting: 607825 Northing: 164608	Annual Volume (m^3): 67200 Max Daily Volume (m^3): 4320 Original Application No: NPS/WR/036651 Original Start Date: 16/06/2023 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 16/06/2023 Version End Date: -
-	1513m W	Status: Active Licence No: SO/040/0008/054 Details: Wet Fencing And Nature Conservation Direct Source: Southern Region Surface Waters Point: INLAND WATER (WHITE RED & UNNAMED DRAINS) AT SEASALTER LEVEL Data Type: Point Name: The Royal Society for the Protection of Birds Easting: 608288 Northing: 164232	Annual Volume (m^3): 295780 Max Daily Volume (m^3): 9950 Original Application No: NPS/WR/040730 Original Start Date: 05/08/2024 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 05/08/2024 Version End Date: -
-	1617m W	Status: Historical Licence No: SO/040/0008/006 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Southern Region Surface Waters Point: POINT 'B' DRAIN AT SEASALTER LEVEL Data Type: Point Name: The Royal Society for the Protection of Birds Easting: 608181 Northing: 164230	Annual Volume (m^3): 67200 Max Daily Volume (m^3): 4320 Original Application No: NPS/WR/010014 Original Start Date: 29/08/2013 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 29/08/2013 Version End Date: -

ID	Location	Details	
-	1617m W	Status: Historical Licence No: SO/040/0008/006/R01 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Southern Region Surface Waters Point: POINT 'B' DRAIN AT SEASALTER LEVEL Data Type: Point Name: The Royal Society for the Protection of Birds Easting: 608181 Northing: 164230	Annual Volume (m^3): 67200 Max Daily Volume (m^3): 4320 Original Application No: NPS/WR/036651 Original Start Date: 16/06/2023 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 16/06/2023 Version End Date: -
-	1690m W	Status: Historical Licence No: SO/040/0008/006 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Southern Region Surface Waters Point: POINT 'A' DRAIN AT SEASALTER LEVEL Data Type: Point Name: The Royal Society for the Protection of Birds Easting: 608103 Northing: 164214	Annual Volume (m^3): 67200 Max Daily Volume (m^3): 4320 Original Application No: NPS/WR/010014 Original Start Date: 29/08/2013 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 29/08/2013 Version End Date: -
-	1690m W	Status: Historical Licence No: SO/040/0008/006/R01 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Southern Region Surface Waters Point: POINT 'A' DRAIN AT SEASALTER LEVEL Data Type: Point Name: The Royal Society for the Protection of Birds Easting: 608103 Northing: 164214	Annual Volume (m^3): 67200 Max Daily Volume (m^3): 4320 Original Application No: NPS/WR/036651 Original Start Date: 16/06/2023 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 16/06/2023 Version End Date: -
-	1864m W	Status: Active Licence No: SO/040/0008/054 Details: Wet Fencing And Nature Conservation Direct Source: Southern Region Surface Waters Point: INLAND WATER (WHITE RED & UNNAMED DRAINS) AT SEASALTER LEVEL Data Type: Point Name: The Royal Society for the Protection of Birds Easting: 607896 Northing: 163937	Annual Volume (m^3): 295780 Max Daily Volume (m^3): 9950 Original Application No: NPS/WR/040730 Original Start Date: 05/08/2024 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 05/08/2024 Version End Date: -

ID	Location	Details	
-	1875m W	Status: Active Licence No: SO/040/0008/054 Details: Wet Fencing And Nature Conservation Direct Source: Southern Region Surface Waters Point: INLAND WATER (WHITE RED UNNAMED DRAINS) AT SEASALTER LEVEL Data Type: Point Name: The Royal Society for the Protection of Birds Easting: 607925 Northing: 164266	Annual Volume (m^3): 295780 Max Daily Volume (m^3): 9950 Original Application No: NPS/WR/040730 Original Start Date: 05/08/2024 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 05/08/2024 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	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 NGD)

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 NGD)

Records within 250m	2

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 46 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	27m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	71m SE	Lake, loch or reservoir.	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	**1**

Covering rivers, streams and lakes (some overlap with OS NGD 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 46 >**

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 46 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Swalecliffe Brook**	**GB107040019630**	**Oyster Coast Brooks**	**Stour**
2	**On site**	**Coastal Catchment**	**Not part of a river WB catchment**	**304**	**Oyster Coast Brooks**	**Stour**

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

6.4 WFD Surface water bodies

Records identified	1

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 46 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2921m E	River	Swalecliffe Brook	GB107040019630 ↗	No longer applicable	Does not require assessment	Poor	2022

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

6.5 WFD Groundwater bodies

Records on site	0

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.

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	0

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).

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

7.2 Historical Flood Events

Records within 250m	0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

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

7.3 Flood Defences

Records within 250m	0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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.

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

7.7 Flood Zone 3

Records within 50m	0

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.

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	**Negligible**
Highest risk within 50m	**Negligible**

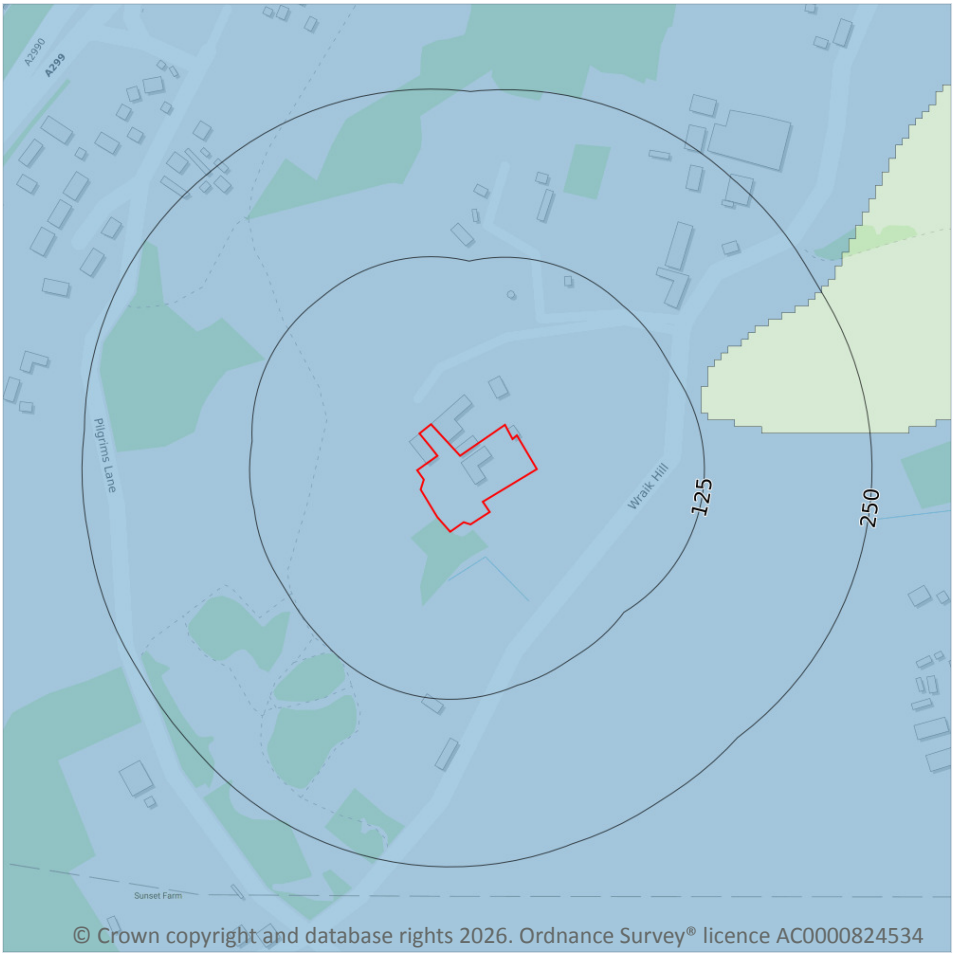
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year 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.

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	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

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

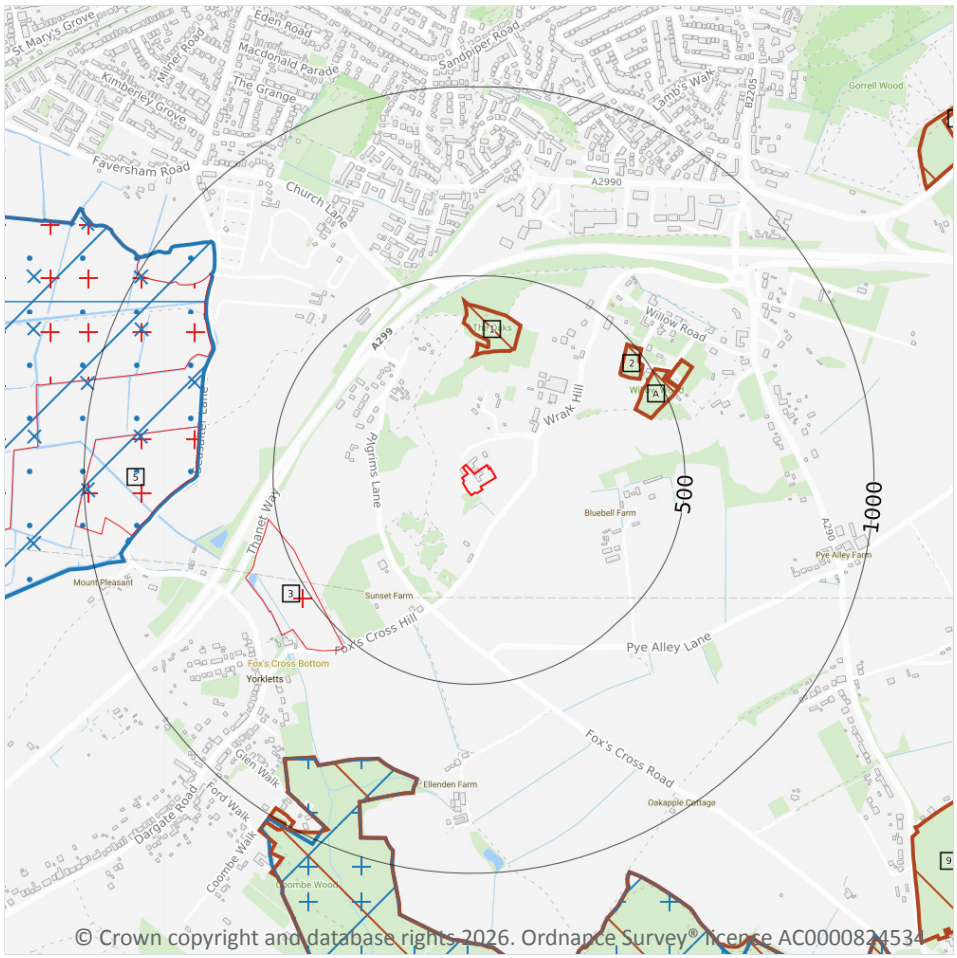
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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 53 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



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10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	2

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 54 >**

ID	Location	Name	Data source
B	700m W	The Swale SSSI	Natural England

ID	Location	Name	Data source
C	739m S	Ellenden Wood SSSI	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	**1**

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.

Features are displayed on the Environmental designations map on **page 54 >**

ID	Location	Site	Details
B	700m W	Name: The Swale Site status: Listed Data source: Natural England	Overview: A complex of brackish and freshwater, floodplain grazing marsh with ditches, and intertidal saltmarsh and mudflat. These habitats together support internationally important numbers of wintering waterfowl. Rare wetland birds breed in important numbers. The saltmarsh and grazing marsh are of international importance for their diverse assemblages of wetland plants and invertebrates. Ramsar criteria: Ramsar criterion 2 The site supports nationally scarce plants and at least seven British Red data book invertebrates.

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	**1**

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.

Features are displayed on the Environmental designations map on **page 54 >**

ID	Location	Name	Features of interest	Habitat description	Data source
C	739m S	Blean Complex	Beech forests on acid soils; Oak-hornbeam forests; Great crested newt	Broad-leaved deciduous woodland	Natural England

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

10.4 Special Protection Areas (SPA)

Records within 2000m	2

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.

Features are displayed on the Environmental designations map on **page 54 >**

ID	Location	Name	Species of interest	Habitat description	Data source
4	700m W	The Swale	Gadwall; Eurasian teal; Eurasian oystercatcher; Ringed plover; Grey plover; Eurasian curlew; Common redshank; Dunlin; Dark-bellied brent goose	Inland water bodies (Standing water, Running water); Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Salt marshes, Salt pastures, Salt steppes; Shingle, Sea cliffs, Islets; Other arable land; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins)	Natural England
7	807m NW	The Swale	Gadwall; Eurasian teal; Eurasian oystercatcher; Ringed plover; Grey plover; Eurasian curlew; Common redshank; Dunlin; Dark-bellied brent goose	Inland water bodies (Standing water, Running water); Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Salt marshes, Salt pastures, Salt steppes; Shingle, Sea cliffs, Islets; Other arable land; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins)	Natural England

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	3

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 54 >**

ID	Location	Name	Data source
3	479m SW	Foxes Cross Bottom	Natural England
5	703m W	Seasalter Levels	Natural England
6	734m NW	Seasalter Levels	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	10

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 54 >**

ID	Location	Name	Woodland Type
1	291m N	Rake Hill	Ancient & Semi-Natural Woodland
A	411m NE	Lower Pit Wood	Ancient Replanted Woodland
2	424m NE	Lower Pit Wood	Ancient Replanted Woodland
A	523m NE	Lower Pit Wood/lower Pit Wood	Ancient Replanted Woodland
C	739m S	Ellenden Wood	Ancient & Semi-Natural Woodland
8	1371m NE	Benacre	Ancient & Semi-Natural Woodland
9	1444m SE	Marley Wood	Ancient & Semi-Natural Woodland
-	1830m E	Childs Forstal	Ancient & Semi-Natural Woodland
-	1986m SE	Childs Forstal	Ancient & Semi-Natural Woodland
-	1992m E	Childs Forstal	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	2

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.

Features are displayed on the Environmental designations map on **page 54 >**

ID	Location	Name	Status
-	1562m NW	The Swale Estuary	Designated
-	1581m NW	The Swale Estuary	Designated

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.

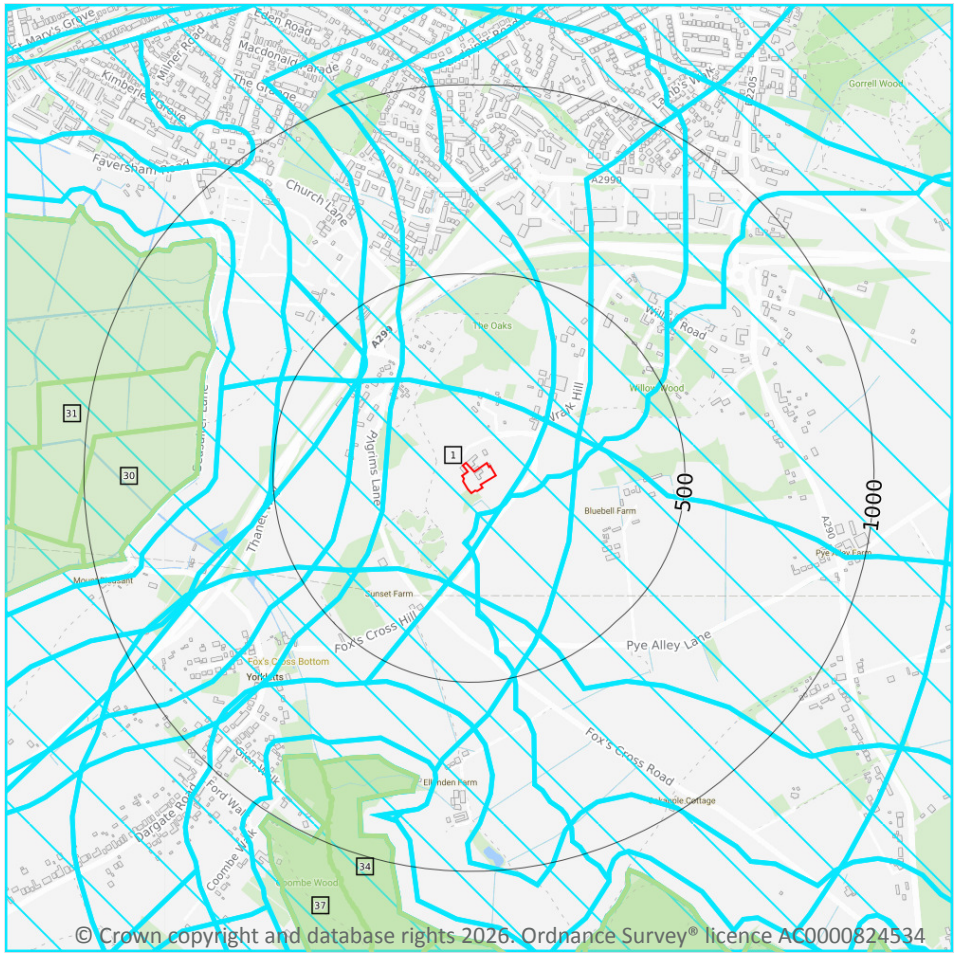
10.16 Nitrate Vulnerable Zones

Records within 2000m	0

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.

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	1

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 61 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=01212423222231&notes=11401&location=609731,163834%20(IRZ%20polygon%20centre)**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	13

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 61 >**

ID: 30
Location: 700m W
SSSI name: The Swale
Unit name: Seasalter Levels Lnr Canterbury City Council
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Lapwing, Vanellus vanellus	Favourable	21/03/2013
Aggregations of breeding birds - Redshank, Tringa totanus	Favourable	21/03/2013
Assemblages of breeding birds - Lowland fen without open water	Favourable	21/03/2013
Ditches	Favourable	01/10/2010
Invert. assemblage W211 open water on disturbed sediments	Favourable	19/06/2013
More than 20,000 Non-breeding waterbirds	Favourable	03/03/2021
Vascular plant assemblage	Favourable	19/06/2013

ID: 31
Location: 704m W
SSSI name: The Swale
Unit name: S15 Mckeever Seasalter Levels
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - variety of passage species	Favourable	04/09/2013
Aggregations of non-breeding birds - variety of wintering species	Favourable	04/09/2013
Ditches	Favourable	01/10/2010

Feature name	Feature condition	Date of assessment
Invert. assemblage W211 open water on disturbed sediments	Favourable	04/09/2013
More than 20,000 Non-breeding waterbirds	Favourable	03/03/2021
Vascular plant assemblage	Favourable	04/09/2013

ID: 32
Location: 728m NW
SSSI name: The Swale
Unit name: Seasalter Levels Lnr Canterbury City Council
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Lapwing, Vanellus vanellus	Favourable	21/03/2013
Aggregations of breeding birds - Redshank, Tringa totanus	Favourable	21/03/2013
Assemblages of breeding birds - Lowland fen without open water	Favourable	21/03/2013
Ditches	Favourable	01/10/2010
Invert. assemblage W211 open water on disturbed sediments	Favourable	19/06/2013
More than 20,000 Non-breeding waterbirds	Favourable	03/03/2021
Vascular plant assemblage	Favourable	19/06/2013

ID: 34
Location: 739m S
SSSI name: Ellenden Wood
Unit name: East Of Coombe Wood
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Mixed: Scrub, Woodland	Favourable	01/10/2010
H9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests	Not Recorded	01/01/1900
Lowland mixed deciduous woodland	Favourable	01/10/2010

ID: 37
Location: 808m SW
SSSI name: Ellenden Wood
Unit name: Coombe Wood
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Mixed: Scrub, Woodland	Favourable	01/10/2010
H9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests	Not Recorded	01/01/1900
Invert. assemblage A1 arboreal canopy	Favourable	01/10/2010
Lowland mixed deciduous woodland	Favourable	01/10/2010

ID: 42
Location: 1021m W
SSSI name: The Swale
Unit name: Seasalter Levels South
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - variety of passage species	Favourable	19/06/2013
Aggregations of non-breeding birds - variety of wintering species	Favourable	06/04/2013
Ditches	Favourable	19/06/2013
Invert. assemblage W211 open water on disturbed sediments	Favourable	19/06/2013
More than 20,000 Non-breeding waterbirds	Favourable	03/03/2021
Vascular plant assemblage	Favourable	19/06/2013

ID: 44
Location: 1080m S
SSSI name: Ellenden Wood
Unit name: Ellenden Wood (East)
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Mixed: Scrub, Woodland	Favourable	01/10/2010
H9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests	Not Recorded	01/01/1900
Invert. assemblage A1 arboreal canopy	Favourable	01/10/2010
Invert. assemblage F2 grassland & scrub matrix	Favourable	01/10/2010
Lowland mixed deciduous woodland	Favourable	01/10/2010

ID: 48
Location: 1169m S
SSSI name: Ellenden Wood
Unit name: Ellenden Wood (West)
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Mixed: Scrub, Woodland	Favourable	01/10/2010
H9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests	Not Recorded	01/01/1900
Invert. assemblage A1 arboreal canopy	Favourable	01/10/2010
Lowland mixed deciduous woodland	Favourable	01/10/2010

ID: -
Location: 1534m NW
SSSI name: The Swale
Unit name: Swale Intertidal (South)
Broad habitat: Littoral Sediment
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, Limosa limosa islandica	Favourable	03/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), Branta bernicla bernicla	Favourable	03/03/2021
Aggregations of non-breeding birds - Curlew, Numenius arquata	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Favourable	03/03/2021

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Gadwall, Mareca strepera	Favourable	03/03/2021
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Favourable	03/03/2021
Aggregations of non-breeding birds - Knot, Calidris canutus	Favourable	04/03/2021
Aggregations of non-breeding birds - Oystercatcher, Haematopus ostralegus	Favourable	03/03/2021
Aggregations of non-breeding birds - Pintail, Anas acuta	Unfavourable - Declining	03/03/2021
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	03/03/2021
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Favourable	03/03/2021
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	03/03/2021
Aggregations of non-breeding birds - Shoveler, Anas clypeata	Unfavourable - Declining	03/03/2021
Aggregations of non-breeding birds - Spotted redshank, Tringa erythropus	Favourable	03/03/2021
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	03/03/2021
Aggregations of non-breeding birds - White-fronted goose, Anser albifrons albifrons	Unfavourable - No change	03/03/2021
Aggregations of non-breeding birds - Wigeon, Anas penelope	Favourable	03/03/2021
Invert. assemblage M311 saltmarsh and transitional brackish marsh	Not Recorded	01/01/1900
More than 20,000 Non-breeding waterbirds	Favourable	03/03/2021
SM4-28 - Saltmarsh	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900

ID: -
Location: 1576m SE
SSSI name: Ellenden Wood
Unit name: Tong Wood
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Mixed: Scrub, Woodland	Favourable	01/10/2010
H9160 Sub-Atlantic and medio-European oak or oak-hornbeam forests	Not Recorded	01/01/1900
Invert. assemblage A1 arboreal canopy	Favourable	01/10/2010
Invert. assemblage F2 grassland & scrub matrix	Favourable	01/10/2010

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Favourable	01/10/2010

ID: -
Location: 1746m NW
SSSI name: The Swale
Unit name: Seasalter Levels, Alberta
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - variety of passage species	Unfavourable - No change	04/09/2013
Aggregations of non-breeding birds - variety of wintering species	Unfavourable - No change	04/09/2013
Ditches	Unfavourable - No change	01/10/2010
Invert. assemblage W211 open water on disturbed sediments	Unfavourable - No change	04/09/2013
More than 20,000 Non-breeding waterbirds	Favourable	03/03/2021
Vascular plant assemblage	Unfavourable - No change	04/09/2013

ID: -
Location: 1826m W
SSSI name: The Swale
Unit name: S15 Brunt Seasalter Southwest
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - variety of passage species	Favourable	29/08/2013
Aggregations of non-breeding birds - variety of wintering species	Favourable	06/04/2013
Ditches	Favourable	19/06/2013
Invert. assemblage W211 open water on disturbed sediments	Favourable	19/06/2013
More than 20,000 Non-breeding waterbirds	Favourable	03/03/2021
Vascular plant assemblage	Favourable	19/06/2013

ID: -
Location: 1996m W
SSSI name: The Swale
Unit name: Graveney Marsh North East
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - variety of passage species	Unfavourable - No change	04/09/2013
Aggregations of non-breeding birds - variety of wintering species	Unfavourable - No change	04/09/2013
Ditches	Unfavourable - No change	28/10/2010
Invert. assemblage W211 open water on disturbed sediments	Unfavourable - No change	19/06/2013
More than 20,000 Non-breeding waterbirds	Favourable	03/03/2021
Vascular plant assemblage	Unfavourable - No change	19/06/2013

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	0

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.

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

11.5 Conservation Areas

Records within 250m	0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

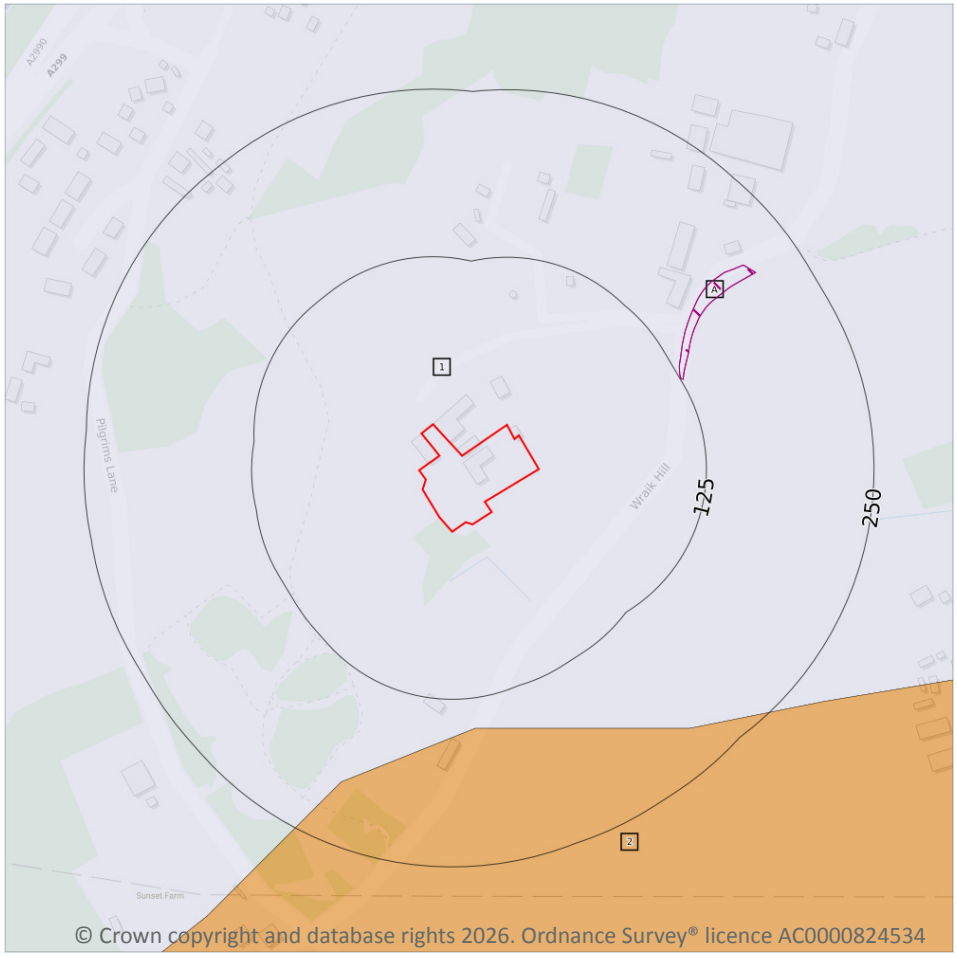
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	2

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 71 >**

ID	Location	Classification	Description
1	On site	Grade 4	**Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.**

ID	Location	Classification	Description
2	148m S	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.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	2

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on **page 71 >**

ID	Location	Name	Classification	Other relevant legislation
A	126m NE	A piece of land situate at Wraik Hill	Section 4 Conclusive Registered Common Land	-
A	126m NE	A piece of land situate at Wraik Hill	Section 15 Land	S.193 - Urban Borough District

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

12.3 Tree Felling Licences

Records within 250m	0

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.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	1

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	**AG00265153**	**Higher Level Stewardship**	**01/11/2008**	**31/10/2018**

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

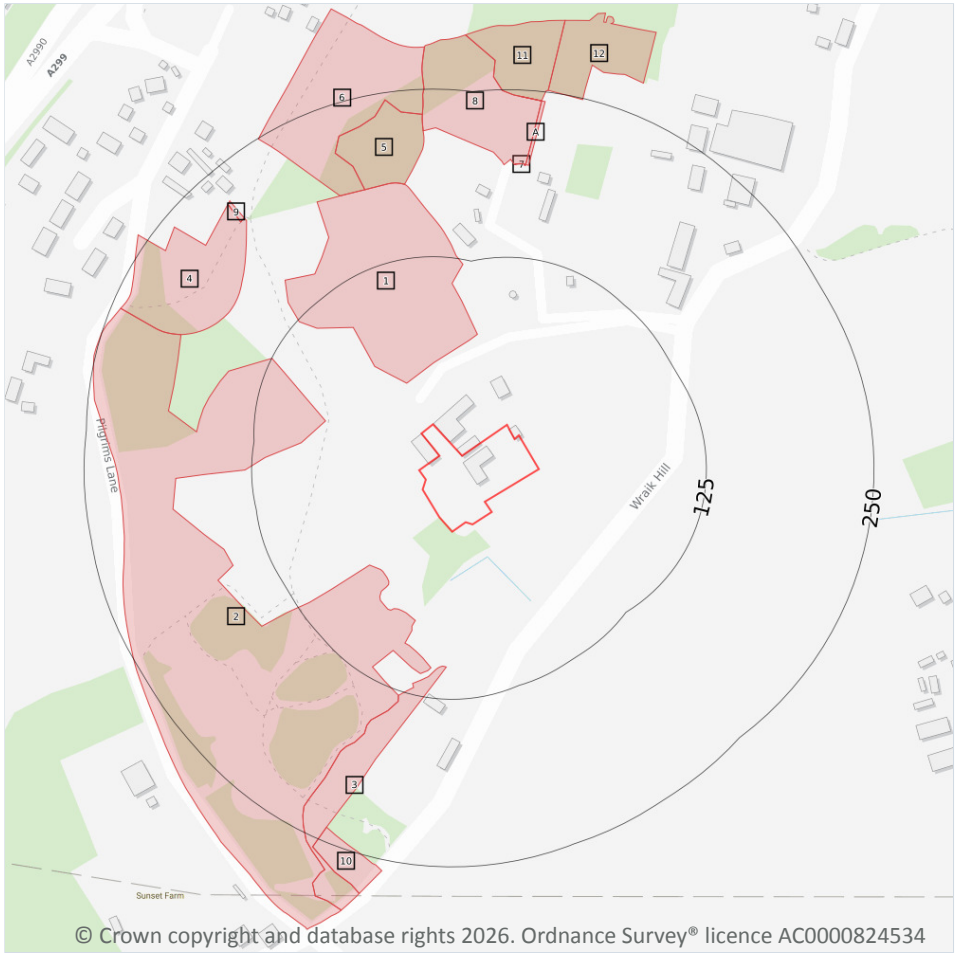
Records within 250m	**2**

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	**623974**	**Countryside Stewardship (Higher Tier)**	**01/01/2019**	**31/12/2028**
On site	**1638891**	**Countryside Stewardship (Higher Tier)**	**01/01/2024**	**31/12/2033**

This data is sourced from Natural England.

13 Habitat designations



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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	14

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 74 >**

ID	Location	Main Habitat	Other habitats
1	36m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	58m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	101m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	169m NW	Lowland meadows	Main habitat: LMEAD (FEP + HLS)

ID	Location	Main Habitat	Other habitats
5	180m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
6	182m N	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS)
7	194m N	Deciduous woodland	Main habitat: TORCH (INV > 50%); DWOOD (INV > 50%)
8	194m N	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
A	194m N	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
9	208m NW	Lowland meadows	Main habitat: LMEAD (FEP + HLS)
10	240m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	243m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	243m N	Deciduous woodland	Main habitat: TORCH (INV > 50%); DWOOD (INV > 50%)
12	249m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

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

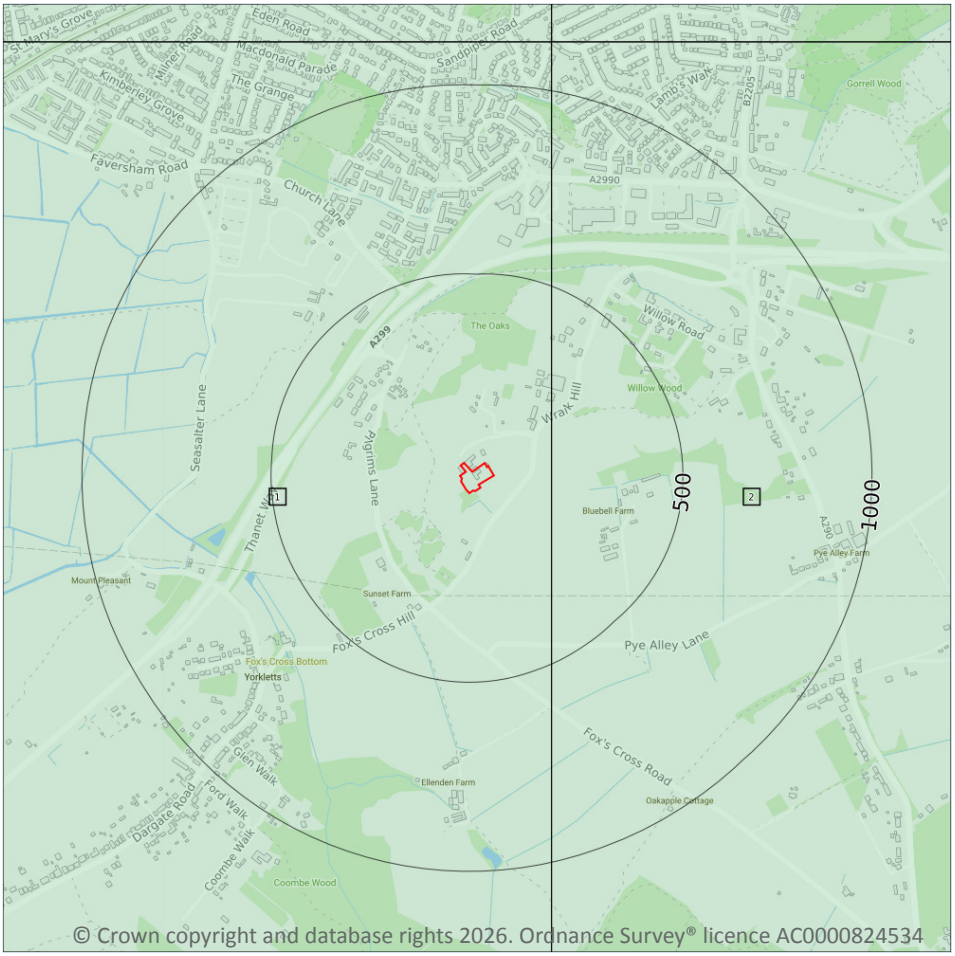
Records within 250m	0

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 77 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**TR06SE**
2	153m E	No coverage	Full	Full	No coverage	TR16SW

This data is sourced from the British Geological Survey.

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

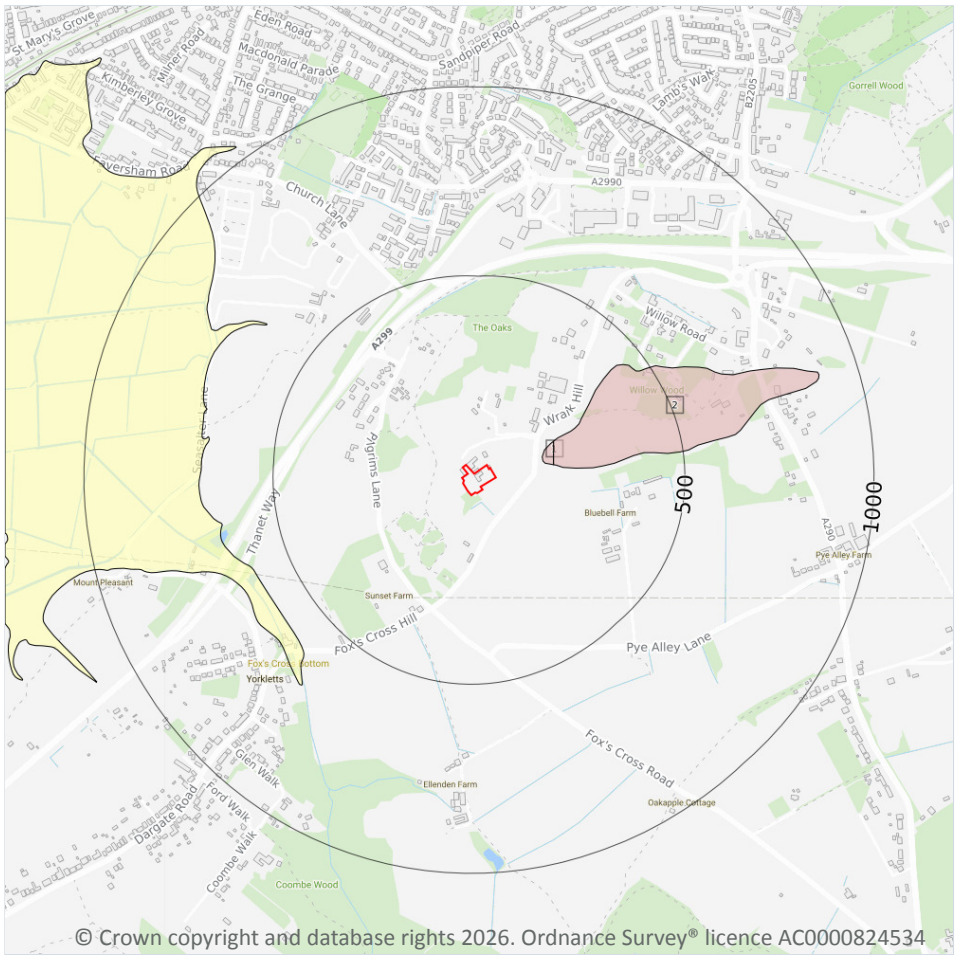
14.2 Artificial and made ground (10k)

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	2

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 79 >**

ID	Location	LEX Code	Description	Rock description
1	132m E	HEAD-XVSZC	Head-Gravel, Sand, Silt And Clay	Gravel, sand, silt and clay
2	156m E	HEAD-XVSZC	Head-Gravel, Sand, Silt And Clay	Gravel, sand, silt and clay

This data is sourced from the British Geological Survey.

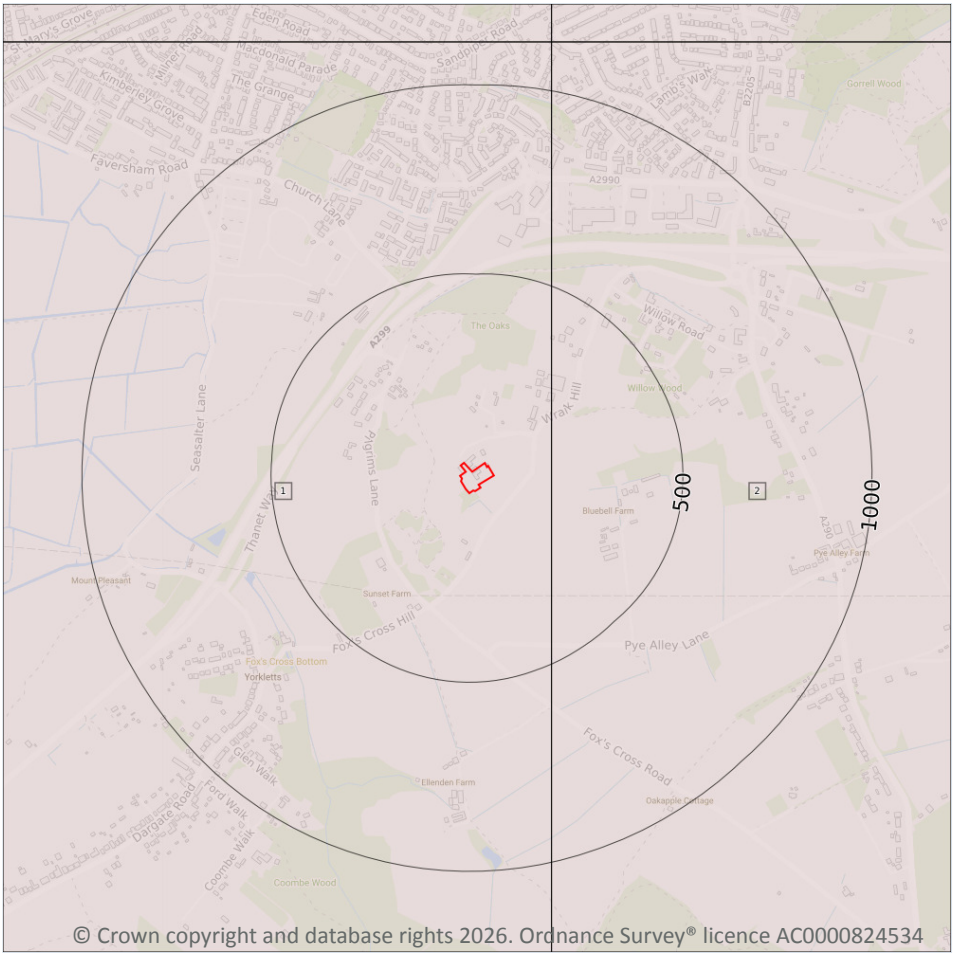
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



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Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	2

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 81 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**LC-XCZS**	**London Clay Formation-Clay, Silt And Sand**	**Ypresian**
2	153m E	LC-XCZS	London Clay Formation-Clay, Silt And Sand	Ypresian

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	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 83 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW273_faversham_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.

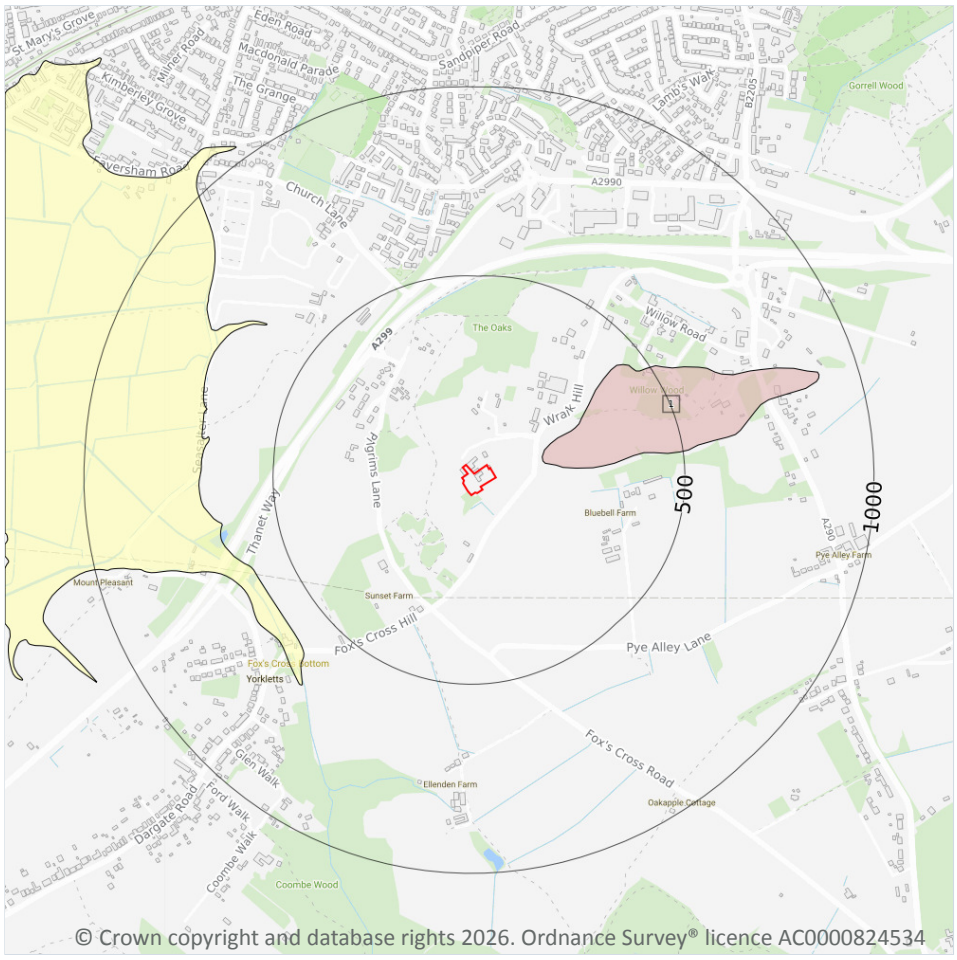
15.3 Artificial ground permeability (50k)

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



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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	1

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 85 >**

ID	Location	LEX Code	Description	Rock description
1	132m E	HEAD-XVSZC	Head	Gravel, sand, silt and clay

This data is sourced from the British Geological Survey.

15.5 Superficial 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 superficial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

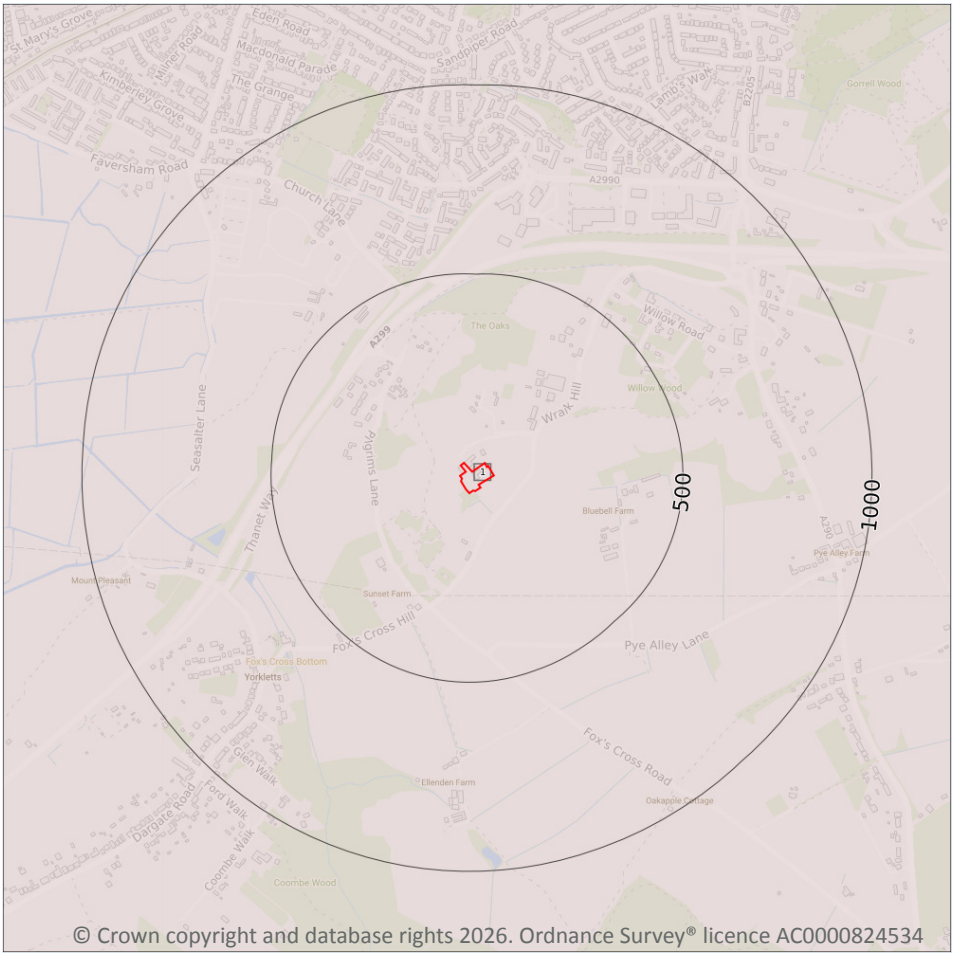
15.7 Landslip permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



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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	1

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 87 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**LC-XCZS**	**London Clay Formation-Clay, silt and sand**	**Ypresian**

This data is sourced from the British Geological Survey.

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

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

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

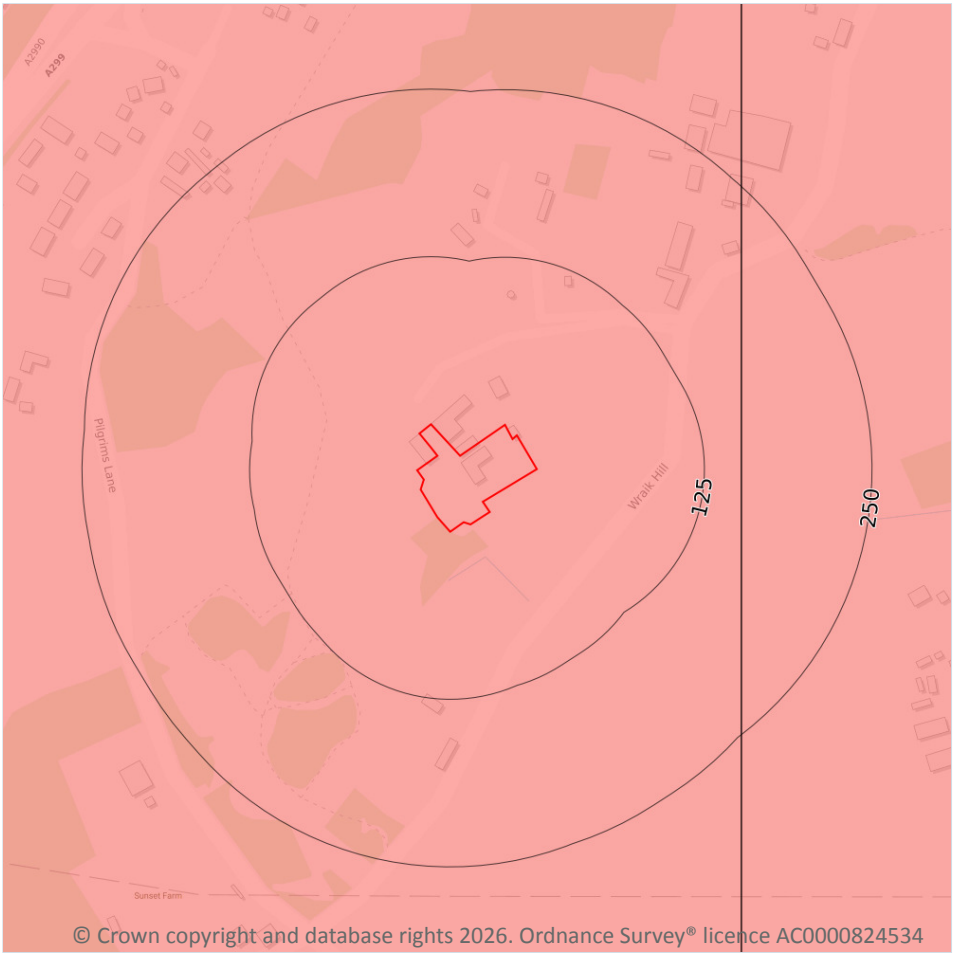
16.1 BGS Boreholes

Records within 250m	0

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.

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	1

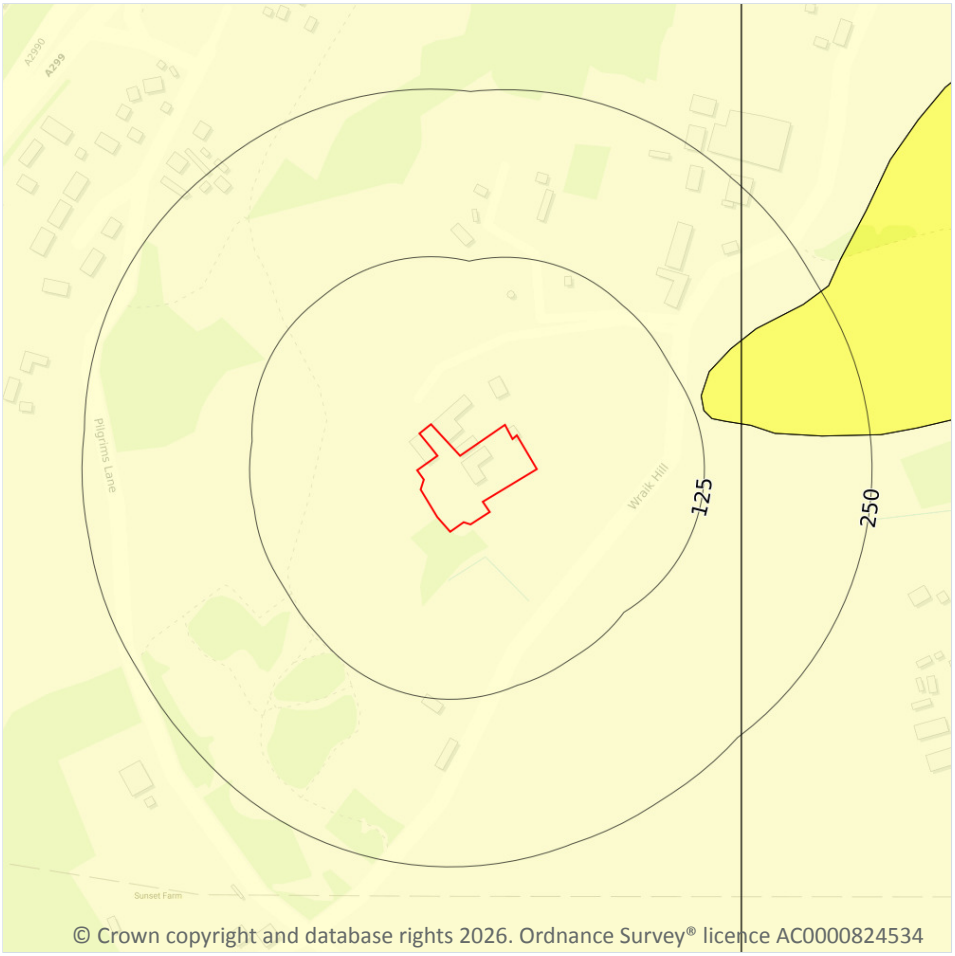
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 90 >**

Location	Hazard rating	Details
On site	**Moderate**	**Ground conditions predominantly high plasticity.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

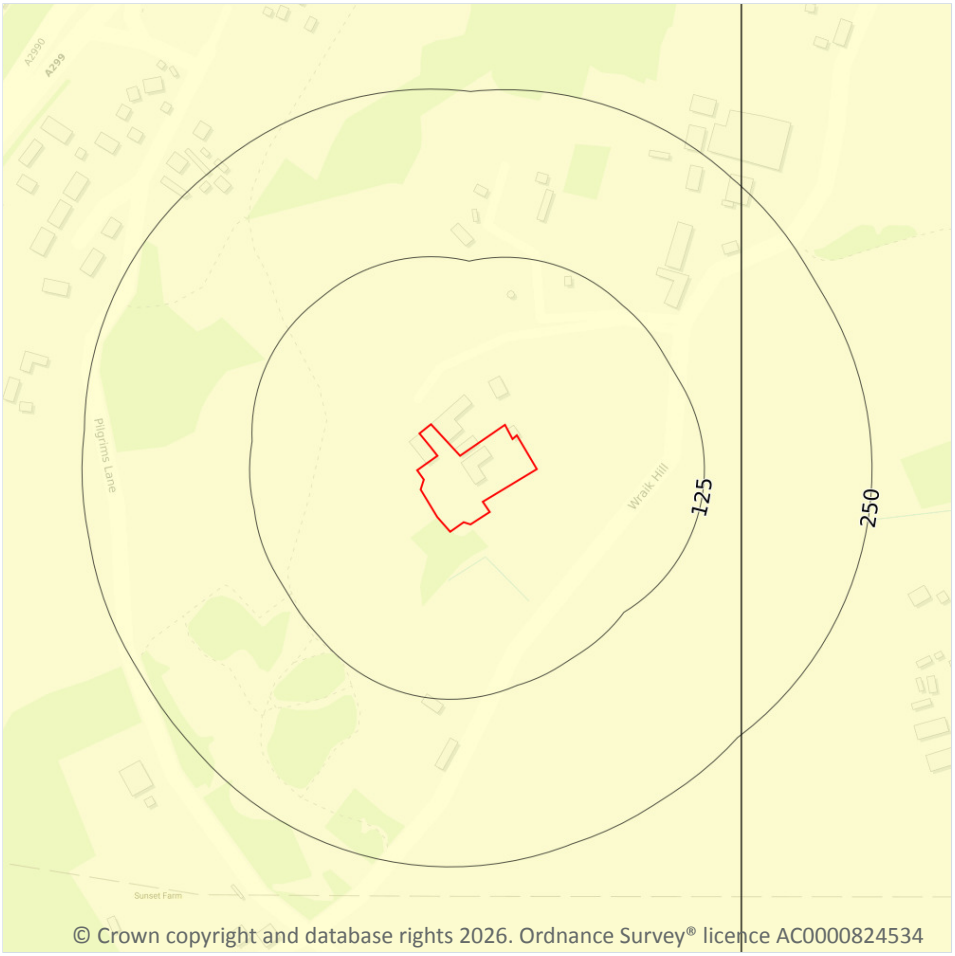
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 91 >**

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.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



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Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

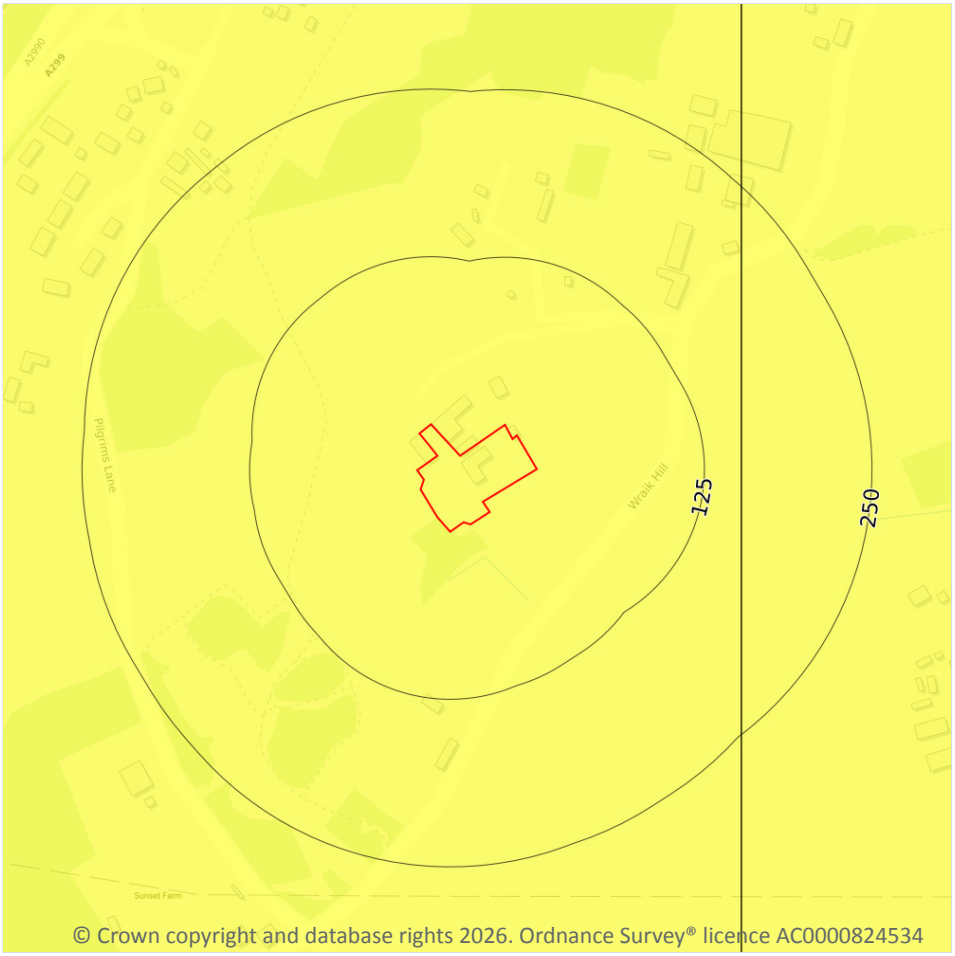
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 92 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**

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	1

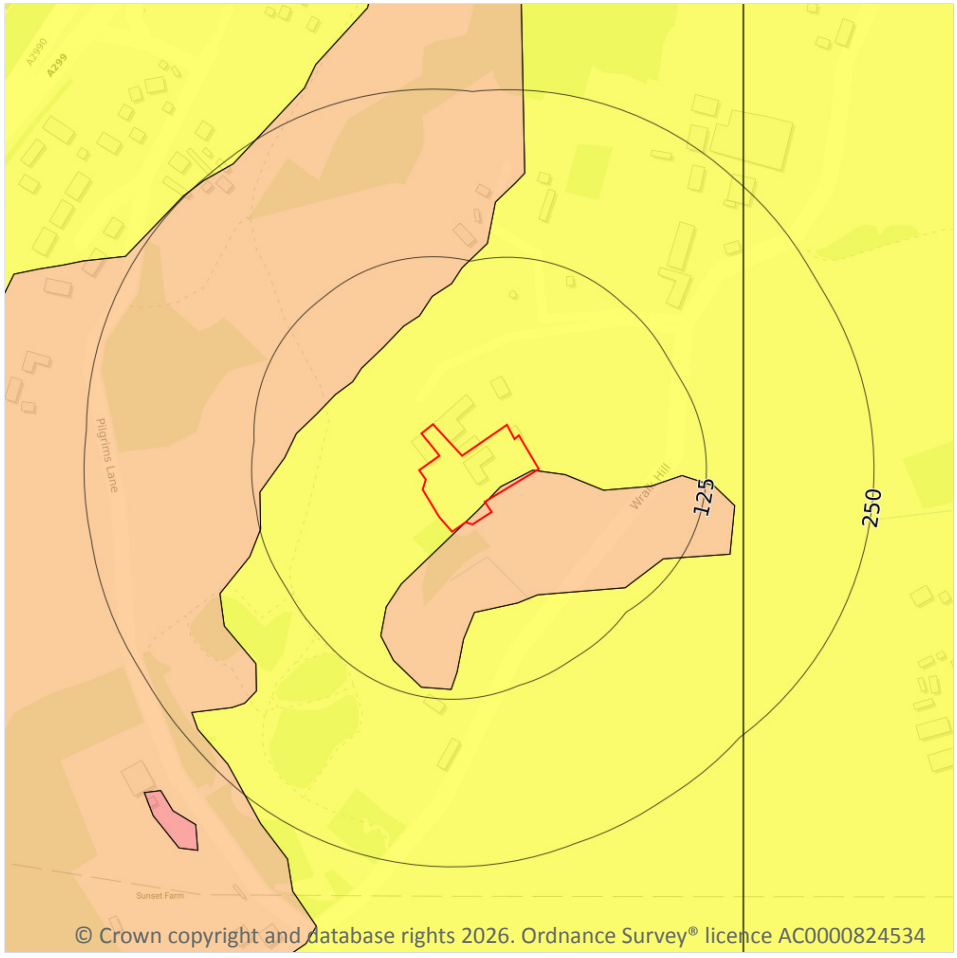
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 93 >**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	2

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

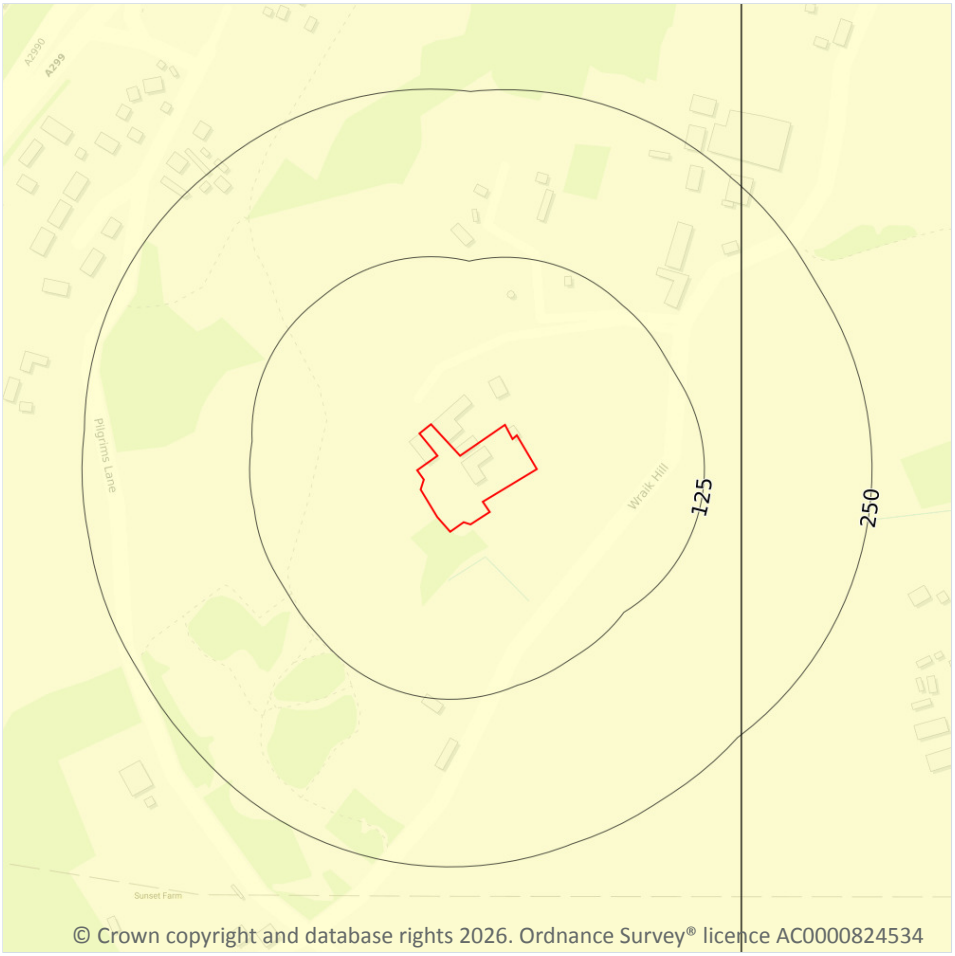
Features are displayed on the Natural ground subsidence - Landslides map on **page 94 >**

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.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



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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

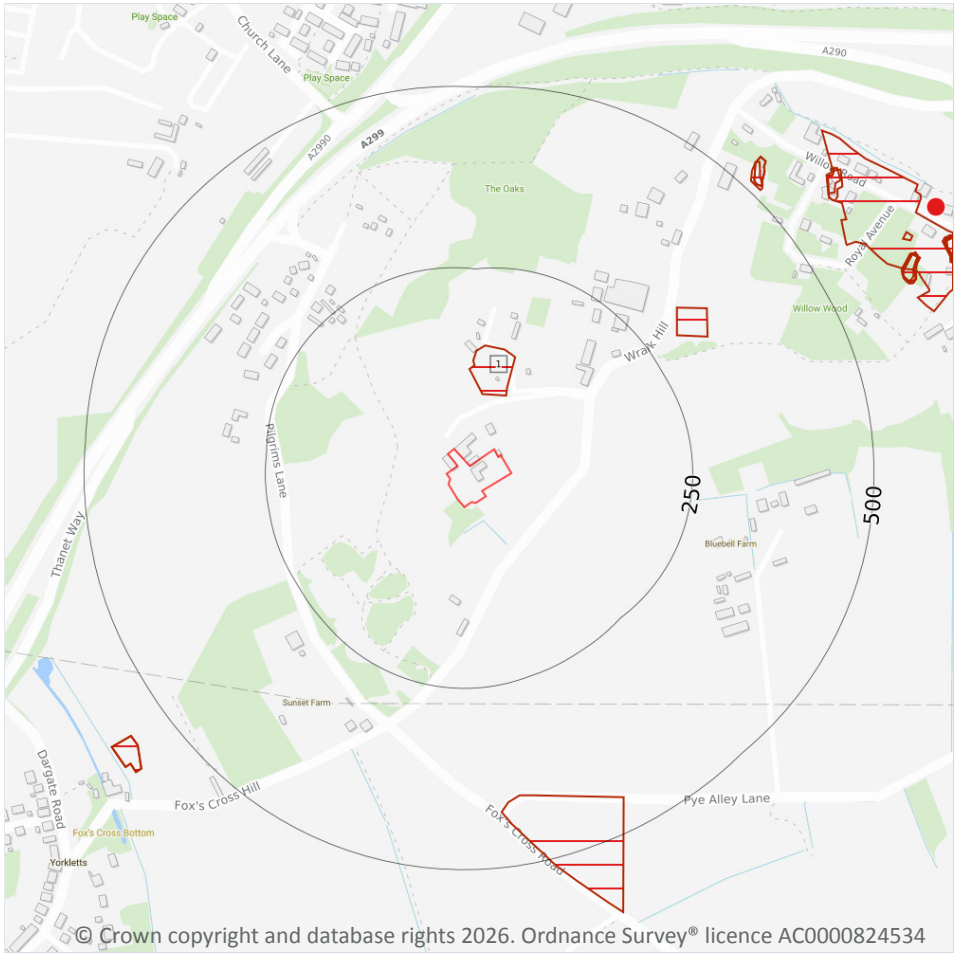
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 96 >**

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	0

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.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	1

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 98 >**

ID	Location	Land Use	Year of mapping	Mapping scale
1	75m N	Refuse Heap	1973	1:10000

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	0

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.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

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).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

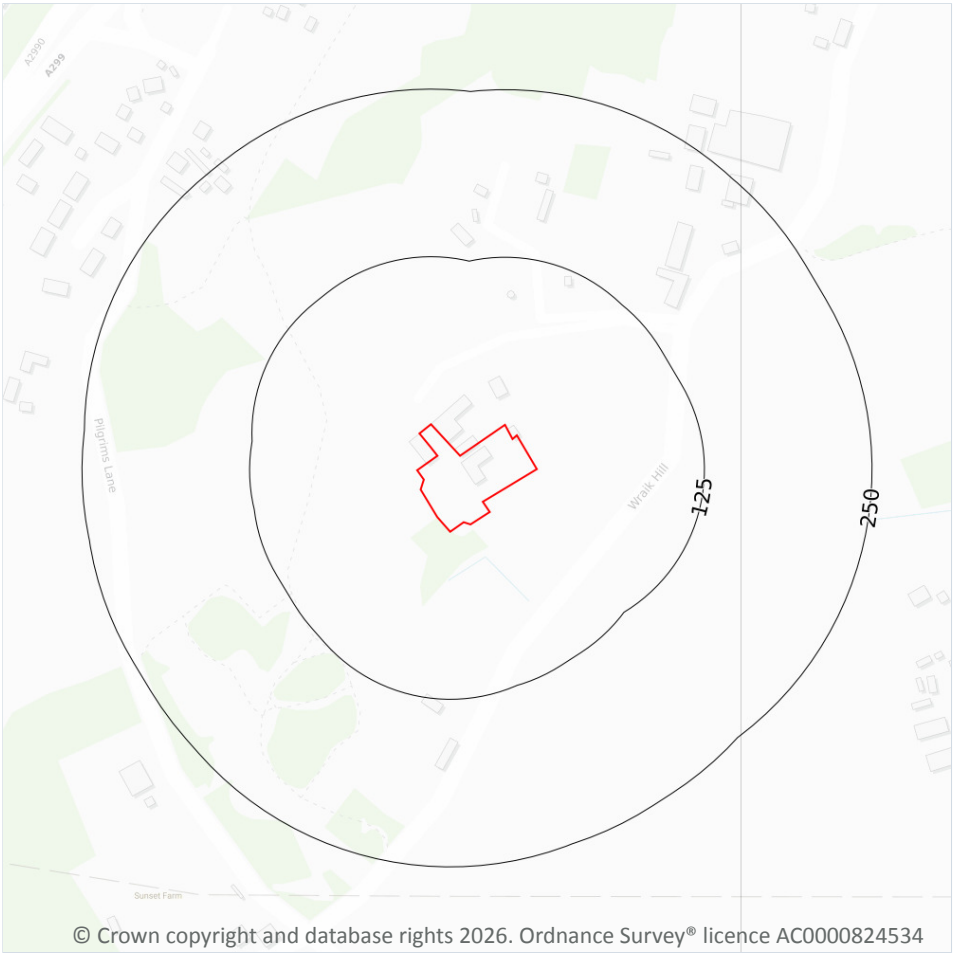
Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey® maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

20 Radon



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Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 105 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Less than 1%**	**None**

This data is sourced from the British Geological Survey and UK Health Security Agency.

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	1

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**

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m	0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey® mapping.

This data is sourced from the Ordnance Survey®.

22.4 Historical railway and tunnel features

Records within 250m	0

Railways and tunnels digitised from historical Ordnance Survey® mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

This data is sourced from Ordnance Survey®/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	0

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

This data is sourced from Ordnance Survey® and OpenStreetMap.

22.8 Crossrail 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.

22.9 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 ↗.

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