SEVINGTON
INLAND BORDER FACILITY

Department for Environment, Food & Rural Affairs

HM Revenue & Customs

Department for Transport

Preliminary Risk Assessment

Inland Border Facility, Sevington

Client Name:	Department for Transport (DfT), His Majesty's Revenues & Customs (HMRC) and Department for Environment, Food and Rural Affairs (Defra)
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Quality Assurance – Approval Status

This document has been prepared and checked in accordance with
Waterman Group's IMS (BS EN ISO 9001: 2015, BS EN ISO 14001: 2015 and BS EN ISO 45001: 2018)

Issue	Date	Prepared by	Checked by	Approved by
First	January 2025	[redacted]	[redacted]	[redacted]
Second	April 2025	[redacted]	[redacted]	[redacted]
Third	June 2025	[redacted]	[redacted]	[redacted]

Comments

Disclaimer

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Department for Transport (DfT), His Majesty's Revenues & Customs (HMRC) and Department for Environment, Food and Rural Affairs (Defra) (Client) instructed Waterman Infrastructure & Environment Limited ("Waterman") to undertake a Preliminary Risk Assessment (PRA) for potential ground contamination for the proposed planning application for the Inland Border Facility, Sevington (Site).

Conclusions

A review of the Site's environmental setting and development identifies potentially significant contaminant linkages as being absent with the overall risk rating as Low. The NPPF requirement that on completion the Site can no longer be captured under the Part IIA regime is expected to have been met.

Site Setting

Current Use	The Site prior to completion of the existing built structures was in use as arable land.
History	Arable land with no significant built structures.
Geology	Topsoil underlain by the Hythe Formation, underlain in turn by the Aetherfield Formation. The Hythe Formation comprises discreet cohesive and granular layers which decrease in thickness towards the southern boundary together with the Site topography.
Human Health	The Site's former use has not identified potentially significant contaminative sources on-site. Soils on-site are unlikely to pose a significant risk to future Site users.
Controlled Waters	The closest surface water is the Aylesford Stream 100m north. The Hythe Formation is a Principal Aquifer, the Aetherfield Formation is a Secondary A Aquifer. The Site is not in a groundwater source protection zone. Potentially significant contamination sources on-site are absent. Previous ground investigations did not record elevated contaminants given the receptors. The Site does not pose a significant risk to controlled water receptors.
Ground Gas and Vapour	Potentially significant gas and vapour sources have not been identified. Previous ground investigations have not recorded a significant ground gas or vapour regime. Ground gas or vapour protection measures would not be required.

Initial Conceptual Site Model

Significant pollutant linkages are absent.

Recommendations

- Where future excavations are completed a watching brief for any visual or olfactory evidence of contamination should be completed. Where potential evidence of contamination is encountered works should cease area made safe and suitably qualified environmental consultant consulted with.
- Workers should wear the appropriate PPE, if required RPE, adopt good hygiene and safety practice and adhere to the Confined Space Entry Regulations 1997 where completing excavation works.
- Should the land use change a revision of the conceptual site model and consultation with an environmental consultant may be required.

1. Introduction

1.1 Objectives

Department for Transport (DfT), His Majesty's Revenues & Customs (HMRC) and Department for Environment, Food and Rural Affairs (Defra) (Client) instructed Waterman Infrastructure & Environment Limited ("Waterman") to undertake a Preliminary Risk Assessment (PRA) for potential ground contamination for the proposed planning application for the Inland Border Facility, Sevington (Site) which will be for the continued use and operation of the Inland Border Facility.

The report has been completed assuming construction of the existing development without information gained as part of a Site walkover. The likely contamination status of the Site prior to construction will be completed using information gathered from previous reports used in the assessments of the Site's likely contamination status prior to development completion.

1.2 Proposed Development

Prior to the United Kingdom (UK) exiting the European Union (EU) on the 31st December 2020, a Special Development Order (SDO) came into force, under the provisions of Schedule 59 of the Town and Country Planning Act 1990. The SDO specifically is The Town and Country Planning (Border Facilities and Infrastructure) (EU Exit) (England) Special Development Order 2020[1].

Temporary permission was granted by the Ministry of Housing, Communities and Local Government (and then the Department for Levelling Up, Housing and Communities) on 1st December 2020 (and then again on 23rd December 2020, 24th November 2021 and 28th April 2022, to account for evolving operational requirements) pursuant to the SDO. The temporary permission will to expire on 31st December 2025.

In advance of the temporary permission expiring a new planning application seeking a full planning consent covering the existing development constructed under the SDO will be submitted for which this PRA will support. The existing Development for which the planning permission will be sought for is

- Goods vehicle parking for up to 984 vehicles, including 42 entry lanes with a capacity of up to 240 goods vehicles, 24 refrigerated semi-trailers and 357 staff car parking spaces;
- Border checking facilities;
- Security fencing;
- Noise attenuation bunds and fences;
- CCTV and lighting columns;
- Drainage; and
- All associated engineering and landscaping works.

The estate roads, sustainable drainage system and landscaping already benefit from planning permission, pursuant to extant planning permission (ref: 19/00579/AS).

1.3 Limitations and Constraints

The assessment was undertaken in accordance with the scope agreed between Waterman, DfT, HMRC and Defra.

The information contained in this report is based on a review of available historical, geological and hydrogeological sources, consultation with the regulatory authorities and observations made during a Site

[1] Town and Country Planning (Border Facilities and Infrastructure) (EU Exit) (England) Special Development Order 2020 (2020/928). Available at: https://www.legislation.gov.uk/uksi/2020/928/contents/made

walkovers completed during previous reports.

Waterman has endeavoured to assess all information provided to them during this investigation but makes no guarantees or warranties as to the accuracy or completeness of this information.

The scope of this ground investigation includes an assessment of the presence of asbestos containing materials in the ground at the Site but not within buildings or structures or below ground structures (basements, buried service ducts and the like).

The conclusions resulting from this study are not necessarily indicative of future conditions or operating practices at or adjacent to the Site.

2. Methodology

This PRA has been undertaken in general accordance with the Environment Agency Guidance 'Land Contamination Risk Management (LCRM)'.

This Tier 1: Preliminary Risk Assessment report includes the following key features:

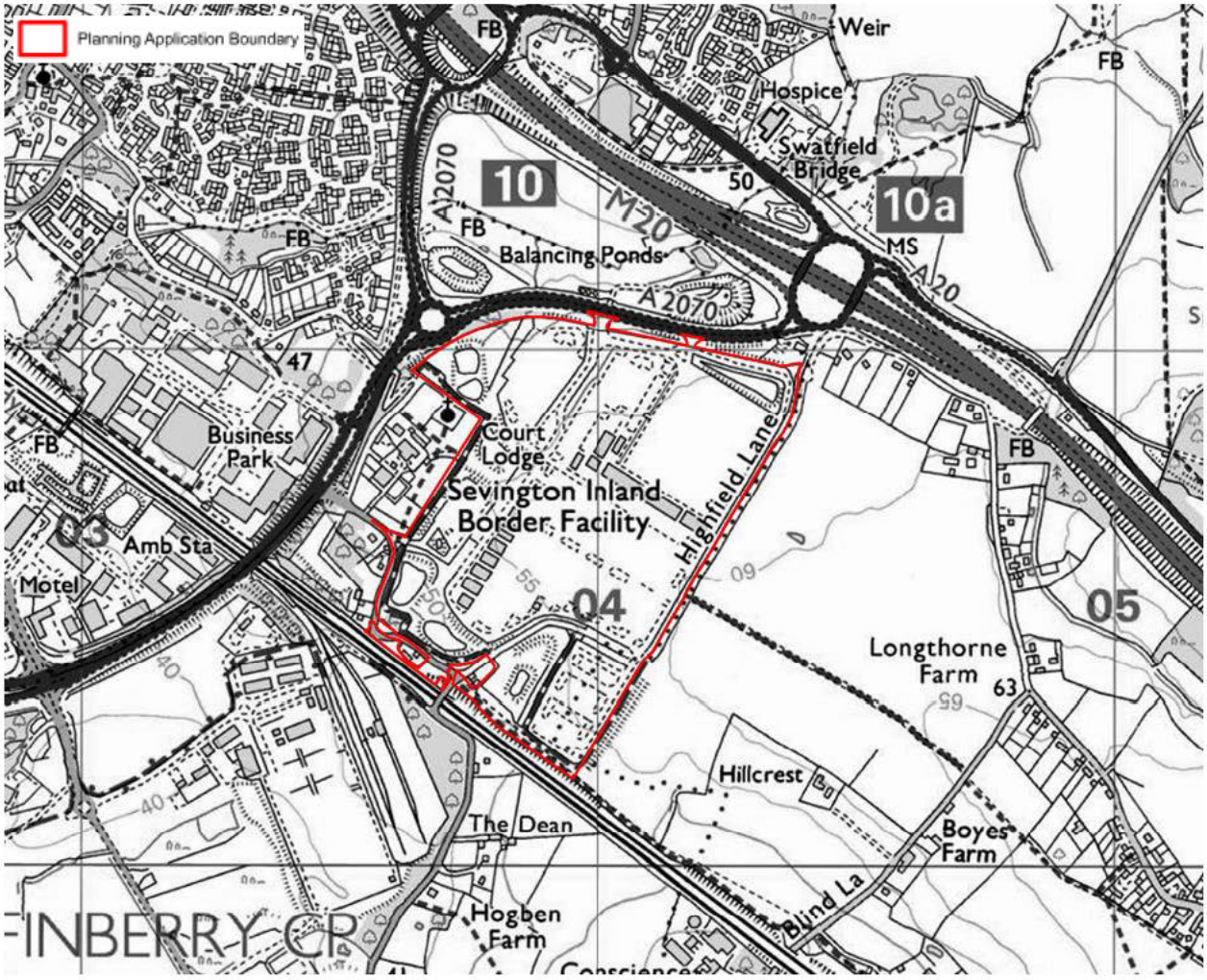
- Definition of overall site objectives;
- Collation of available current and historical information about the Site;
- Completion of a site walkover;
- Identification of the potential contaminants of concern, potential pathways and receptors expected to be present;
- Formulation of an Initial Conceptual Site Model;
- Qualitative risk assessment; and,
- A record of the findings and identification of recommendations for further action.

3. Hazard Identification

3.1 Site Location and Description and Reconnaissance

The Site Figure 1 is located to the south-west of the M20 and is bounded by the A2070 to its northern extents. To the east, the Site is bounded by a local road (Highfield Lane) running north to south and along its southern perimeter by Church Road, which provides access to the A2070.

Figure 1: Site Location



A Site plan is included in Appendix A.

3.2 Site Reconnaissance

A Site walkover completed by Card Geotechnics Limited (CGL) as part of their 2015 Geoenvironmental and Geotechnical Interpretative Report (CG/8091) did not identify built structures on-site with the Site comprising arable land only. Potential contaminative sources were not identified.

3.3 Site Surroundings

The Site is bound by arable land to the east, residential and commercial land uses to the west, commercial uses to the south, and arable land to the north together with the A2070 and M20.

Ecological Areas

Sensitive ecological areas have not been identified on-site or in the surrounding area.

Heritage and Archaeology

Based on the information provided, archaeological or heritage sites are absent on-Site or in the surrounding area.

3.3.1 Environmental Permits

As detailed in the Groundsure Report active Environmental Permits are absent on-site and in the surrounding area.

4. Previous Environmental Assessments and Consultations

4.1 Previous Environmental Assessments

The following environmental reports (Table 1) relating to the Site have been reviewed as part of this study

Table 1: Previous Environmental Reports Reviewed

Author	Title	Date
CGL	Geoenvironmental and Geotechnical Interpretative Report	2015
Mott MacDonald	Geotechnical and Geo-environmental Desk Study	2020

CGL, 2015 – Geoenvironmental and Geotechnical Interpretative Report

CGL were instructed by Bradbrook Consulting to assess the Site's geotechnical and geo-environmental aspects further to the redevelopment of the Site for commercial and industrial purposes. The completed work comprised a Phase 1 desk study followed by a geotechnical and geo-environmental ground investigation and its subsequent assessment.

The Site was free of built structures at the time of the CGL work with arable land present only.

The intrusive ground investigation comprised 4No. boreholes (max depth of 14.45mbgl), 7No window samples to 5.0mbgl, 21No. Trial pits to 5.0mbgl, and 12No. dynamic probe tests to a maximum depth of 10mbgl. Encountered ground conditions were separated into two distinct areas Zone 1 and Zone 2.

A plan detailing the exploratory hole locations and extent of the two zones is included in Appendix A.

Within Zone 1 Topsoil (0.2 – 0.9m thick) was underlain by the Hythe Formation to a maximum depth of 9.6mbgl which comprised alternating layers of sandy silty clay and sandstone. The Hythe Formation was underlain by the Aetherfield Formation (Grey Blue silty CLAY). Within Zone 2 which existed on the southern Site portion the Hythe Formation was thin being recorded only at a maximum depth of 1.2mbgl, and was underlain in turn by Aetherfield Formation (Grey Blue silty CLAY). Sandstone layers in the Hythe Formation were absent in Zone 2. The encountered ground conditions represented a reduction in the Hythe Formation towards the south of the Site which mirrored the Site topography which also decreased southwards.

Visual or olfactory evidence of contamination was absent. Assessment of soil laboratory results against commercial Generic Assessment Criteria (GAC) records no elevated contaminants. The risk to human health was considered negligible.

Groundwater monitoring recorded a groundwater level between 52.4 – 56.1mAOD (3.8mbgl to 4.1mbgl). Recovered groundwater samples were tested for a wide suite of analytes. Assessment against the Environmental Quality Standards (EQS) applicable to a surface water receptor did not record any elevated contaminants. A significant risk to controlled water receptors was therefore determined.

4No. ground gas monitoring rounds were completed which recorded a maximum carbon dioxide concentration of 4.3%, methane <0.1%, a maximum flow rate of 1.0l/hr, and a maximum volatile concentration of 0.6ppm.

Mott MacDonald, 2020 – Geotechnical and Geoenvironmental Desk Study

Mott MacDonald Limited were instructed by the Department for Transport (DfT) to prepare the

Geotechnical and Geoenvironmental Desk Study to support the construction of the existing development. The completed works built on the works by CGL in 2015, and incorporated the results of completed ground investigations and desk studies for the M20 junction adjacent the Site which were reported in a 2016 Contaminated Land Desk Study and Preliminary Interpretative Report. Additional ground investigation on-site beyond the CGL 2015 ground investigation was not completed.

The Mott Macdonald concluded the following;

- The risks to end users from soil and groundwater contamination has been assessed as low -the site is greenfield and significant contamination is not anticipated to be present on site.
- The risks to end users from ground gas has been assessed as moderate / low – it is considered unlikely that ground gas has migrated from the nearby landfill, and previous ground gas monitoring on site has confirmed low risk from ground gas (CS1).
- The risk to groundwater (principal aquifer) has been determined to be low and to surface waters as moderate / low due to the low likelihood of existing contamination at the site and the mitigation measures included in the surface water drainage strategy for the development including lined attenuation ponds and swales and no infiltration to ground. If these proposals change, this assessment should be reviewed.
- Buried structures and infrastructure have been assessed as low risk following ground investigation and appropriate design.
- As part of the construction and operation of site it is assumed that workers adhere to a site-specific risk assessment and method statement. With appropriate measures in place, the risk to construction workers should be classified as low.

4.2 Consultations

4.2.1 Environmental Health

Information has been requested from the Environmental Health Officer (EHO) but a response is currently pending.

4.2.2 Planning Department

Relevant contaminated land information beyond that included in the original temporary permission (CGL and Mott MacDonald completed work) was not identified.

5. Environmental Site Setting

5.1 History

Historical maps for the Site have been included as part of the Groundsure in Appendix B.

A review of the Site history identifies the Site as arable land in 1871 with a road running along the east and north west of the Site. The Site has remained as arable land with no significant changes up until 2021 following which the existing Development was constructed.

Developments or land uses of note historically in the surrounding area include the following;

- Quarry 250m north east 1871, no longer operational in 1898
- Small quarry 1906 50m north, absent by 1970's
- Railway on embankment 1871 which remains up until the present day.

5.2 Geology

The Site's geology as established from previous completed ground investigations can be split into two distinct zones (Zone 1 and 2) as detailed by the plan in Appendix A. The difference in the two zones relates to the thickness of the Hythe Formation which decreases alongside the Site topography towards the southern Site boundary.

A summary of the encountered geology in Zone 1 and 2 is included in Table 2.

Table 2: Site Geology

Stratum	Estimated Thickness (m)	Typical Description
Zone 1		
Topsoil	0.2 – 0.9	Dark brown slightly gravelly sandy clay. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded flint and occasional brick
Hythe Formation	3.0 – 10.0	Interbedded layers of; Orange brown to grey green sandy Silty CLAY Grey green orange SAND with sandstone layers
Aetherfield Formation	>20	Grey blue silty CLAY
Zone 2		
Topsoil	0.2 – 0.9	Dark brown slightly gravelly sandy clay. Sand is fine to coarse. Gravel is fine to medium subangular to subrounded flint and occasional brick
Hythe Formation	1.0 – 2.0	Orange brown sandy CLAY becoming a Green orange sandy clayey SILT
Aetherfield Formation	>20	Grey blue silty CLAY

5.2.1 Ground Stability

The Groundsure Report has identified the following geological hazards (Table 3).

Table 3: Geological hazard risk to the Site

Geological Hazard	Risk
Shrink swell clay	Very Low
Landslides	Low
Ground dissolution of soluble rocks	Negligible
Compressible deposits	Negligible
Running sand	Low

The BGS map does not reveal any structural, geomorphological or geochemical features on or near to the Site.

The Site is not in an area that could be affected by coal mining activity.

5.3 Radon

Information recovered from the Landmark Report, BGS, and PHE show the Site is not in an area of high radon levels. Correspondingly, no radon protection measures will be required in the proposed development.

5.4 Ground Gas

As identified in the CL:AIRE 2012 RB17 guidance document and CIRIA C665 ground gases only pose a risk to developments when the following can be satisfied, which is in line with source – pathway – receptor model followed by LCRM.

- An accumulation of a **large volume** of gas in the ground in or near the buildings (source).
- A pathway that allows gas to migrate through and/or out of the ground into a building or other structure sufficiently quickly to allow it to build up inside the building (pathway).
- A confined space within the building or structure where gas can build up to unacceptable levels (receptor).

In order for a risk from ground gases a source – pathway – receptor linkage needs to be present. This requires a sufficient quantity of gas to pose a hazard and one or more pathways by which it may cause significant harm to people. For sustained gas migration to occur gas must be replenished at the source to negate the effects of attenuating factors such as oxidation of the methane/carbon dioxide to oxygen in the aerobic zone or low permeability soils decreasing the migration potential. Therefore, sustained high levels of gas generation are required for ground gas to migrate via advective or diffusive flow and cause high ground gas concentrations at the surface/within built structures. The volume of ground gas is therefore the principal factor which should be considered rather than the ground gas concentration and not the gas concentration present in the ground (or monitoring well) which is commonly mistaken as posing a risk to future Site users.

A review of the Site's environmental setting, and ground conditions identifies significant ground gas generating sources as being absent both on-site and in the surrounding area. Made Ground is absent on-site with natural deposits not identified a potentially significant ground gas generating sources.

The Groundsure Report identifies a historical landfill 200m north of the Site, which was infilled between the 1960's and 1970's with inert and commercial waste. Given the age of the waste readily degradable

material within the infilled material is likely to have been lost with ground gas generation potential of residual material likely negligible. In addition, the distance of the former landfill from the Site would negate the likelihood any residual ground gas where present is likely to migrate to the Site. The former landfill is therefore unlikely to represent a significant ground gas to the Site.

The absence of a significant ground gas regime based on the Site's previous use was confirmed as part of the 2015 CGL ground investigation in which recorded a maximum carbon dioxide concentration of 4.3%, methane <0.1%, a maximum flow rate of 1.0l/hr, and a maximum volatile concentration of 0.6ppm.

5.5 Vapour

Potentially significant vapour sources have not been identified.

5.6 Controlled Waters

5.6.1 Surface Waters

The nearest surface water to the Site is the Aylesford Stream 100m north of the Site, which has a poor overall rating with a chemical fail rating. Surface water abstractions have not been identified on-site or within 500m of the Site.

5.6.2 Groundwater

The EA has classified the geological deposits on-site as having the following classification (Table 4).

Table 4: Summary of Hydrogeological Properties of the Main Geological Strata

Stratum	EA Classification	Hydrogeological Significance
Hythe Formation	Principal Aquifer	Regionally important aquifer, likely to be used to support potable abstractions
Aetherfield Formation	Secondary A Aquifer	May be important in supporting local abstractions or in providing baseflow to rivers and streams

The Site is not located within a groundwater Source Protection Zone (I, II, III). Active groundwater abstractions are absent on-site and in the surrounding area.

Groundwater in the Hythe Formation will be largely restricted to the granular layers, with the cohesive layers working to restrict groundwater migration. As the Hythe Formation decreases in thickness towards the southern edge the viability of the thin deposits in Zone 2 to be an effective aquifer reduces in turn.

The Aylesford Stream sits within the superficial Alluvium deposits which in turn are underlain by the Hythe Formation. Groundwater migration within the Hythe Formation is anticipated to be northwards towards the Aylesford Stream identifying it has the dominant control on groundwater flow. The northern groundwater flow direction was confirmed as part of the 2015 CGL ground investigation.

The layered nature (cohesive and granular deposits) of the Hythe Formation for which groundwater will sit primarily within the granular deposits will result in the restricted hydraulic connectivity vertically. The migration of potential contaminants from a source will therefore be limited notably where the granular Hythe Formation is not horizontally continuous.

Potential off-site contamination sources include an infilled quarry (1970's) north of the Site. Given the

northern general groundwater flow direction in the Hythe Formation contaminant migration from the infilled quarry onto Site will be restricted.

Groundwater analysis completed as part of the 2015 CGL ground investigation identified elevated contaminants as absent with the Site not having a significant impact on controlled water receptors.

5.6.3 Flood Risk

According to the EA's indicative flooding data and the Groundsure Report the Site is not located in an area of high groundwater flooding risk. The Flood Risk Assessment report should be referred to for further details and recommendations.

6. Hazard Assessment and Initial Conceptual Site Model

The Preliminary Conceptual Model for the Site is presented in Table 5. The risk rating included in Table 5 has been assessed qualitatively using the criteria given in Appendix E and the potential receptors identified using the criteria given in Appendix F.

Contaminants of concern have not been identified based on the Site's previous use.

Table 5: Conceptual Site Model

Source	Linkage	Receptor	Risk	Justification / Mitigation	Residual Risk
Human Health					
Contaminants in the natural soil	Direct contact, ingestion, and inhalation	Future Site users	Low	Significant likely contaminant sources have not been identified based on the Site and surrounding areas historical and current uses. Previous ground investigations have confirmed this with elevated contaminants based on a commercial end use absent.	Low
Volatile contaminants	Migration to and accumulation in confined spaces		Low	Significant volatile contaminant sources have not been identified.	Low
Ground gas			Low	Significant ground gas generating sources have not been identified.	Low
Contaminants in the made ground and groundwater. Volatile contaminants	Direct contact, and accumulation in confined spaces	Construction workers	Low	Significant likely contaminant sources have not been identified. During any work which exposes the underlying ground construction workers should wear the appropriate PPE and RPE, adhere to good hygiene and safety measures, the Confined Space Regulations 1997 to mitigate any residual unidentified risk which may exist.	Low
Property					
Potentially hazardous ground conditions	Chemical attack on buried foundations or potable water supply pipes.	Buried foundations and potable water supply pipes.	Low	Concrete and potable water supply pipes should be designing to reflect ground conditions present.	Low
Controlled Water Receptors					
Contaminants in the unsaturated zone	Surface migration to surface water receptor, Aylesford Stream.	Surface water receptors	Low	Significant likely contaminant sources have not been identified based on the Site's historical use.	Low
Contaminants in the saturated zone	Lateral migration within the saturated zone	Aquifers	Low		

7. Conclusions

The Site has historically been in use as arable land for which significant built structures are absent. Surrounding land uses are similar to the Site's historical use. Historically infilled quarries are located down hydraulic gradient and therefore not likely to have impacted the Site. The 2015 CGL ground investigation clarified these findings with elevated contaminants absent in soil and groundwater samples, and post field ground gas and vapour monitoring establishing a significant ground gas and vapour regime as absent.

A review of the Site's environmental setting and development identifies potentially significant contaminant linkages as being absent with the overall risk rating as Low. The NPPF requirement that on completion the Site can no longer be captured under the Part IIA regime is expected to have been met.

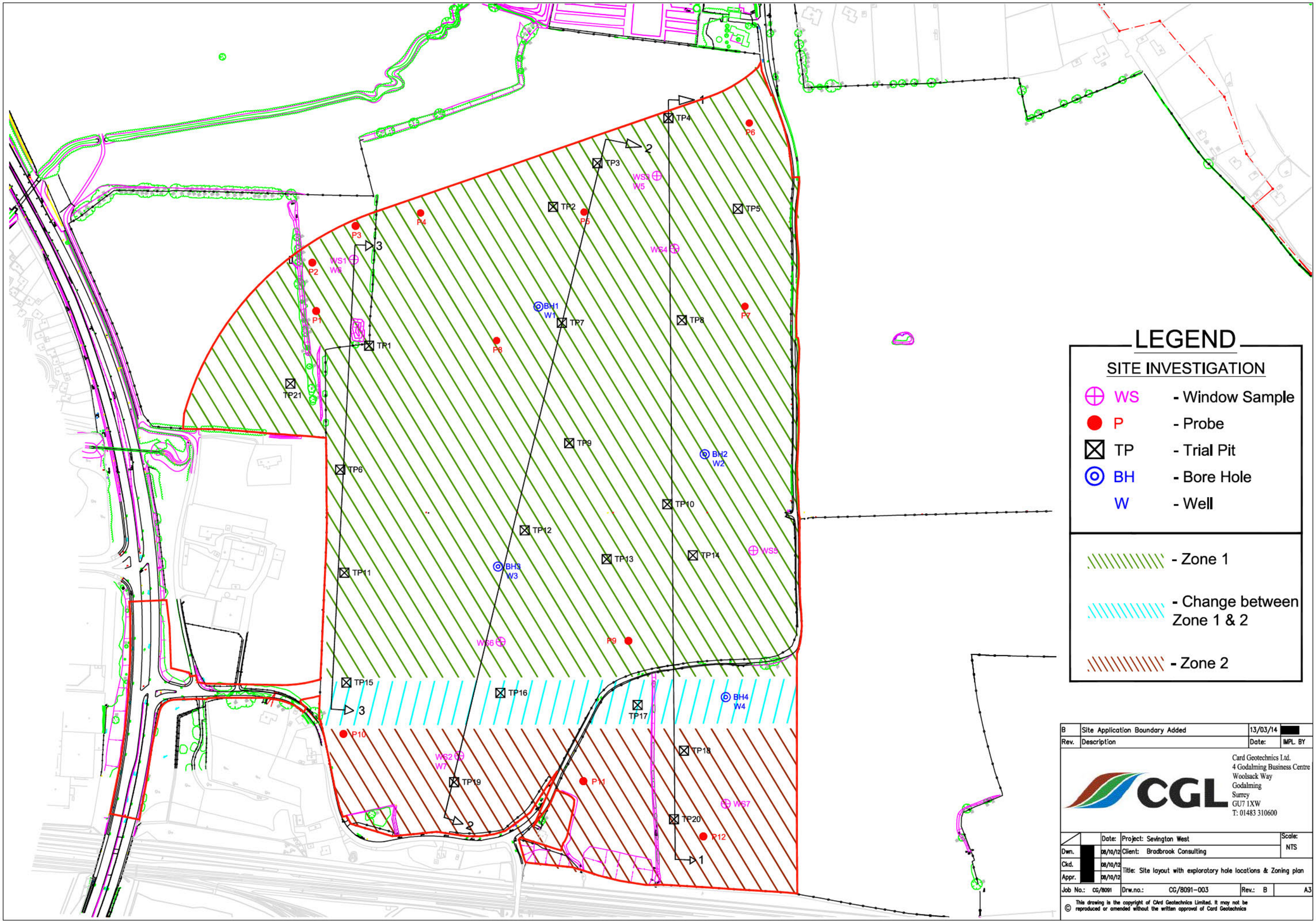
7.1 Recommendations

Based on the conceptual site model the following recommendations should be completed;

- Where future excavations are completed a watching brief for any visual or olfactory evidence of contamination should be completed. Where potential evidence of contamination is encountered works should cease area made safe and suitably qualified environmental consultant consulted with.
- Workers should wear the appropriate PPE, if required RPE, adopt good hygiene and safety practice and adhere to the Confined Space Entry Regulations 1997 where completing excavation works.
- Should the land use alter a revision of the conceptual model may be required and environmental consultant consulted with.

APPENDICES

A. Site Plans



Rev.	Description	Date:	IMPL BY
B	Site Application Boundary Added	13/03/14	

Card Geotechnics Ltd.
4 Godalming Business Centre
Woolsack Way
Godalming
Surrey
GU7 1XW
T: 01483 310600

		Date:	Project: Sevington West	Scale:
Dwn.		08/10/12	Client: Bradbrook Consulting	NTS
Ckd.		08/10/12	Title: Site layout with exploratory hole locations & Zoning plan	
Appr.		08/10/12		
Job No.: CG/8091		Drw.no.: CG/8091-003	Rev.: B	A3

B. Groundsure Report

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

IBF Sevington

Order Details

Date: 11/12/2024

Your ref: WIE20982 RN132014

Our Ref: GS-B2L-EBM-LFZ-MFT

Site Details

Location: 603945 140689

Area: 43.87 ha

Authority: Ashford Borough Council ↗

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

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	1	12	18	34	-
17 >	1.2 >	Historical tanks >	1	1	2	4	-
18 >	1.3 >	Historical energy features >	0	0	3	6	-
18	1.4	Historical petrol stations	0	0	0	0	-
19	1.5	Historical garages	0	0	0	0	-
19	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
20 >	2.1 >	Historical industrial land uses >	1	12	23	47	-
24 >	2.2 >	Historical tanks >	1	1	3	5	-
24 >	2.3 >	Historical energy features >	0	0	4	8	-
25	2.4	Historical petrol stations	0	0	0	0	-
25	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
26	3.1	Active or recent landfill	0	0	0	0	-
26 >	3.2 >	Historical landfill (BGS records) >	0	0	0	1	-
27 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	1	0	-
27 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
28 >	3.5 >	Historical waste sites >	0	0	0	2	-
28 >	3.6 >	Licensed waste sites >	0	0	2	0	-
29 >	3.7 >	Waste exemptions >	0	0	1	7	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
31 >	4.1 >	Recent industrial land uses >	5	2	13	-	-
33	4.2	Current or recent petrol stations	0	0	0	0	-
33	4.3	Electricity cables	0	0	0	0	-
33	4.4	Gas pipelines	0	0	0	0	-
33	4.5	Sites determined as Contaminated Land	0	0	0	0	-

33	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
34	4.7	Regulated explosive sites	0	0	0	0	-
34	4.8	Hazardous substance storage/usage	0	0	0	0	-
34	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
34 >	4.10 >	Licensed industrial activities (Part A(1)) >	2	0	4	0	-
36 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	1	-
36	4.12	Radioactive Substance Authorisations	0	0	0	0	-
36 >	4.13 >	Licensed Discharges to controlled waters >	0	0	1	7	-
38	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
38	4.15	Pollutant release to public sewer	0	0	0	0	-
38	4.16	List 1 Dangerous Substances	0	0	0	0	-
38	4.17	List 2 Dangerous Substances	0	0	0	0	-
38 >	4.18 >	Pollution Incidents (EA/NRW) >	0	1	0	2	-
39	4.19	Pollution inventory substances	0	0	0	0	-
39	4.20	Pollution inventory waste transfers	0	0	0	0	-
39	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
40 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
42 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
44 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
46	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
46	5.5	Groundwater vulnerability- local information	None (within 0m)				
47 >	5.6 >	Groundwater abstractions >	0	0	1	0	1
48 >	5.7 >	Surface water abstractions >	0	0	0	0	8
50	5.8	Potable abstractions	0	0	0	0	0
51	5.9	Source Protection Zones	0	0	0	0	-
51	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
52 >	6.1 >	Water Network (OS MasterMap) >	26	11	20	-	-

57 >	6.2 >	Surface water features >	1	4	9	-	-
57 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
58 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
58 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
59	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
60 >	7.2 >	Historical Flood Events >	0	0	1	-	-
60	7.3	Flood Defences	0	0	0	-	-
60	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
60	7.5	Flood Storage Areas	0	0	0	-	-
61	7.6	Flood Zone 2	None (within 50m)				
61	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
62 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
64 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
65 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	2
66	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
66	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
66	10.4	Special Protection Areas (SPA)	0	0	0	0	0
66	10.5	National Nature Reserves (NNR)	0	0	0	0	0
67 >	10.6 >	Local Nature Reserves (LNR) >	0	1	1	0	4
67 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	15
68	10.8	Biosphere Reserves	0	0	0	0	0
68	10.9	Forest Parks	0	0	0	0	0
68	10.10	Marine Conservation Zones	0	0	0	0	0
69	10.11	Green Belt	0	0	0	0	0
69	10.12	Proposed Ramsar sites	0	0	0	0	0

69	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
69	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
69	10.15	Nitrate Sensitive Areas	0	0	0	0	0
70 >	10.16 >	Nitrate Vulnerable Zones >	4	0	0	0	0
71 >	10.17 >	SSSI Impact Risk Zones >	2	-	-	-	-
73 >	10.18 >	SSSI Units >	0	0	0	0	3
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
75	11.1	World Heritage Sites	0	0	0	-	-
76	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
76	11.3	National Parks	0	0	0	-	-
76 >	11.4 >	Listed Buildings >	0	5	4	-	-
77	11.5	Conservation Areas	0	0	0	-	-
77	11.6	Scheduled Ancient Monuments	0	0	0	-	-
77	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
78 >	12.1 >	Agricultural Land Classification >	Grade 1 (within 250m)				
80	12.2	Open Access Land	0	0	0	-	-
80 >	12.3 >	Tree Felling Licences >	9	15	19	-	-
82 >	12.4 >	Environmental Stewardship Schemes >	0	0	4	-	-
82	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
83 >	13.1 >	Priority Habitat Inventory >	2	2	4	-	-
84	13.2	Habitat Networks	0	0	0	-	-
84 >	13.3 >	Open Mosaic Habitat >	0	0	1	-	-
85	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
86 >	14.1 >	10k Availability >	Identified (within 500m)				
87	14.2	Artificial and made ground (10k)	0	0	0	0	-
88 >	14.3 >	Superficial geology (10k) >	0	0	1	3	-

89	14.4	Landslip (10k)	0	0	0	0	-
90 >	14.5 >	Bedrock geology (10k) >	2	0	6	5	-
91 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	3	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
92 >	15.1 >	50k Availability >	Identified (within 500m)				
93	15.2	Artificial and made ground (50k)	0	0	0	0	-
93	15.3	Artificial ground permeability (50k)	0	0	-	-	-
94 >	15.4 >	Superficial geology (50k) >	0	0	1	2	-
95	15.5	Superficial permeability (50k)	None (within 50m)				
95	15.6	Landslip (50k)	0	0	0	0	-
95	15.7	Landslip permeability (50k)	None (within 50m)				
96 >	15.8 >	Bedrock geology (50k) >	3	0	4	1	-
97 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
97 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	2	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
98 >	16.1 >	BGS Boreholes >	19	41	149	-	-
Page	Section	Natural ground subsidence >					
110 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
111 >	17.2 >	Running sands >	Low (within 50m)				
113 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
114 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
115 >	17.5 >	Landslides >	Low (within 50m)				
117 >	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
119 >	18.1 >	BritPits >	0	0	3	1	-
120 >	18.2 >	Surface ground workings >	0	10	22	-	-
122	18.3	Underground workings	0	0	0	0	0
122	18.4	Underground mining extents	0	0	0	0	-
122 >	18.5 >	Historical Mineral Planning Areas >	0	0	2	1	-

123 >	18.6 >	Non-coal mining >	1	0	4	2	3
124	18.7	JPB mining areas	None (within 0m)				
124	18.8	The Coal Authority non-coal mining	0	0	0	0	-
124 >	18.9 >	Researched mining >	0	1	2	1	-
125	18.10	Mining record office plans	0	0	0	0	-
125	18.11	BGS mine plans	0	0	0	0	-
125	18.12	Coal mining	None (within 0m)				
125	18.13	Brine areas	None (within 0m)				
126	18.14	Gypsum areas	None (within 0m)				
126	18.15	Tin mining	None (within 0m)				
126	18.16	Clay mining	None (within 0m)				

Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
127	19.1	Natural cavities	0	0	0	0	-
127	19.2	Mining cavities	0	0	0	0	0
127	19.3	Reported recent incidents	0	0	0	0	-
127	19.4	Historical incidents	0	0	0	0	-
128	19.5	National karst database	0	0	0	0	-

Page	Section	Radon >					
129 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				

Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
131 >	21.1 >	BGS Estimated Background Soil Chemistry >	13	4	-	-	-
132	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
132	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
133	22.1	Underground railways (London)	0	0	0	-	-
133	22.2	Underground railways (Non-London)	0	0	0	-	-
134	22.3	Railway tunnels	0	0	0	-	-
134 >	22.4 >	Historical railway and tunnel features >	0	8	7	-	-
135	22.5	Royal Mail tunnels	0	0	0	-	-

135	22.6	Historical railways	0	0	0	-	-
135 >	**22.7 >**	**Railways >**	0	12	34	-	-
137	22.8	Crossrail 2	0	0	0	0	-
137	22.9	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 19/07/2022

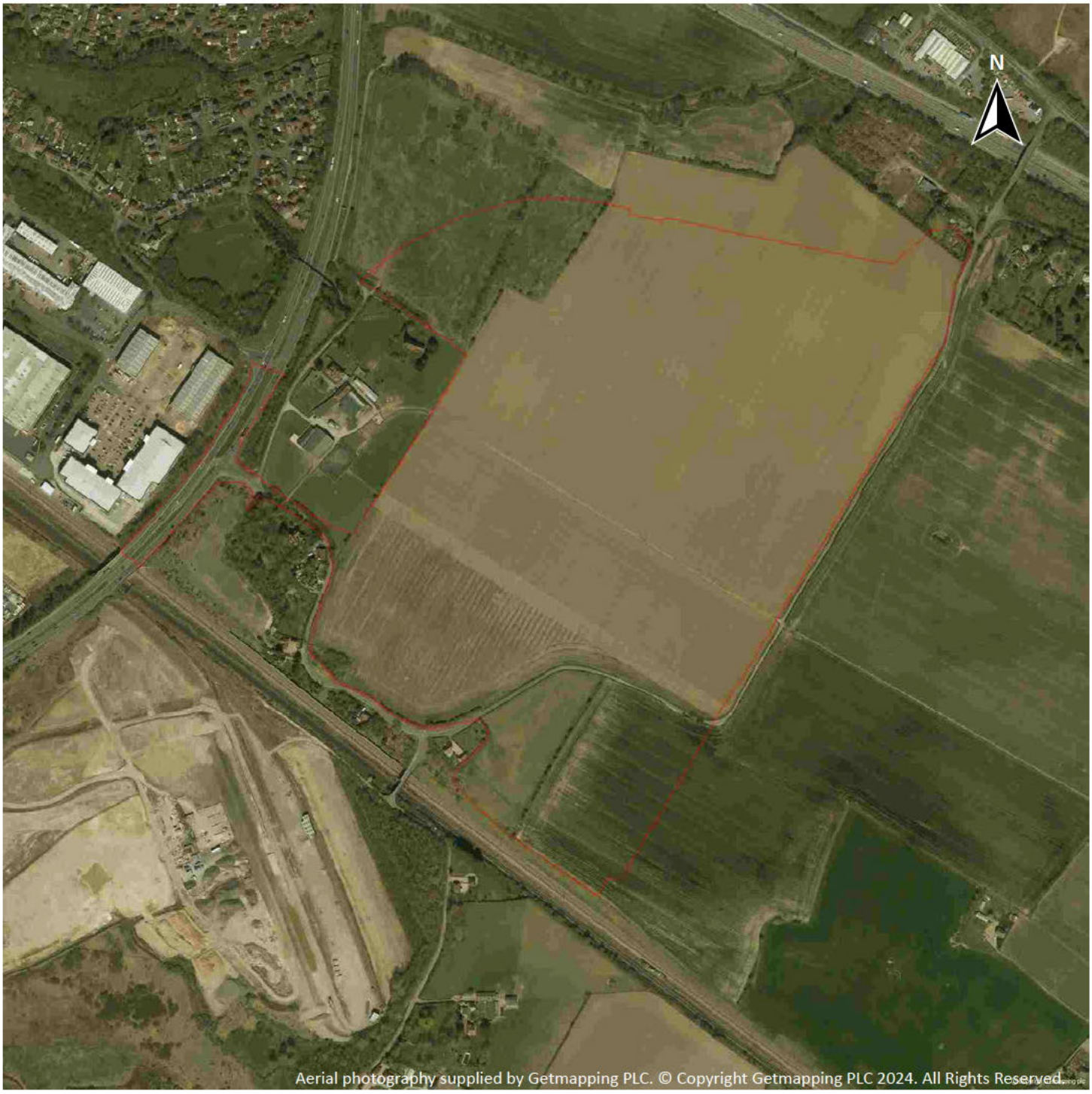
Site Area: 43.87ha

Recent site history - 2019 aerial photograph

Capture Date: 21/08/2019

Site Area: 43.87ha

Recent site history - 2015 aerial photograph



Capture Date: 15/04/2015

Site Area: 43.87ha

Recent site history - 2008 aerial photograph

Capture Date: 24/07/2008

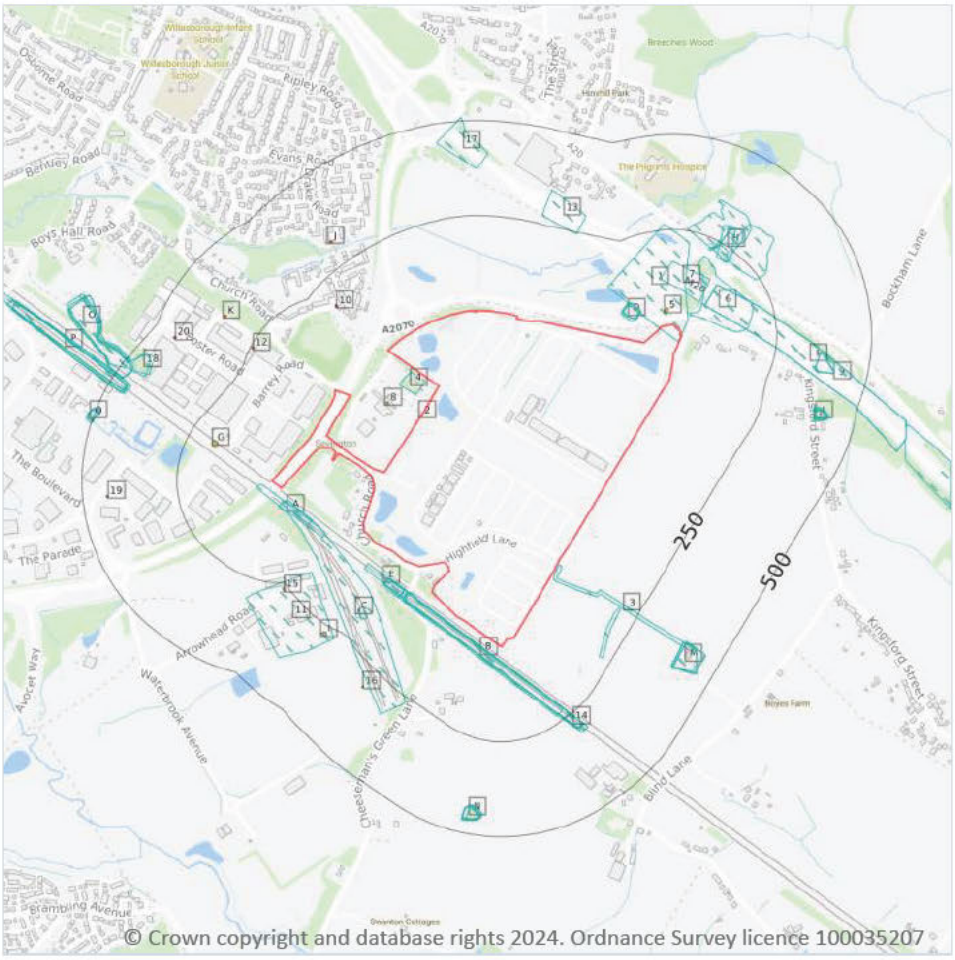
Site Area: 43.87ha

Recent site history - 1999 aerial photograph

Capture Date: 31/07/1999

Site Area: 43.87ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

1.1 Historical industrial land uses

Records within 500m	65

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Nursery	1975	2386978

ID	Location	Land use	Dates present	Group ID
3	5m SE	Unspecified Ground Workings	1906	2387584
4	10m NW	Grave Yard	1872	2386791
A	23m W	Cuttings	1872	2383385
B	25m S	Cuttings	1931	2401892
B	25m S	Cuttings	1872	2399016
B	28m S	Cuttings	1906	2393581
B	28m S	Cuttings	1938	2396021
B	30m S	Cuttings	1955	2394375
C	34m W	Railway Sidings	1993	2399149
A	36m W	Railway Sidings	1931	2396968
6	49m NE	Unspecified Quarry	1939 - 1955	2403028
D	50m NE	Unspecified Quarry	1955	2399588
E	55m SW	Cuttings	1872	2390565
D	56m NE	Unspecified Pit	1938	2384322
D	57m NE	Unspecified Quarry	1906 - 1931	2395713
E	60m SW	Cuttings	1938	2390535
E	60m SW	Cuttings	1906	2397734
E	64m SW	Cuttings	1955	2396329
7	88m NE	Cuttings	1984 - 1993	2390430
9	93m NE	Cuttings	1984 - 1988	2392546
F	93m NE	Cuttings	1993	2397236
C	162m SW	Railway Building	1993	2383817
G	175m W	Unspecified Tank	1993	2385616
11	176m SW	Unspecified Depot	1993	2386083
H	212m NE	Unspecified Quarry	1906	2386226
H	213m NE	Unspecified Old Quarry	1896	2397432
H	213m NE	Unspecified Old Quarry	1939 - 1955	2395961
H	224m NE	Refuse Heap	1975	2383592

ID	Location	Land use	Dates present	Group ID
13	245m N	Cuttings	1984 - 1993	2401534
14	247m S	Cuttings	1955	2392684
I	268m SW	Unspecified Tank	1993	2385615
H	290m NE	Unspecified Tank	1896	2385635
H	293m NE	Lime Kiln	1872	2386453
F	361m E	Unspecified Pit	1896 - 1939	2401611
F	363m E	Unspecified Pit	1955	2394623
17	373m N	Cuttings	1984 - 1993	2399656
L	386m E	Unspecified Pit	1955	2396989
L	388m E	Unspecified Pit	1906 - 1939	2395992
L	389m E	Unspecified Ground Workings	1872	2387728
M	389m SE	Hospital	1938	2389467
M	390m SE	Small Pox Hospital	1931	2389649
L	390m E	Unspecified Pit	1896	2396623
M	396m SE	Dairy	1975	2390068
M	396m SE	Dairy	1984	2395530
N	424m S	Gravel Pit	1931	2387298
N	426m S	Unspecified Pit	1872	2400729
N	428m S	Unspecified Pit	1955	2390874
18	428m W	Unspecified Ground Workings	1872	2387702
N	431m S	Unspecified Pit	1896 - 1906	2393375
N	431m S	Unspecified Pit	1938	2393839
O	433m W	Unspecified Pit	1896	2399853
P	447m W	Cuttings	1872	2401306
P	451m W	Cuttings	1931	2400581
P	454m W	Cuttings	1896 - 1906	2389863
P	454m W	Cuttings	1938	2402095
P	458m W	Cuttings	1984 - 1993	2399003

ID	Location	Land use	Dates present	Group ID
P	458m W	Cuttings	1955 - 1975	2403151
O	468m W	Unspecified Pit	1906 - 1938	2394168
O	470m W	Unspecified Pits	1955 - 1975	2391054
O	470m W	Unspecified Pits	1984	2400543
Q	489m W	Unspecified Heap	1955	2397787
Q	490m W	Unspecified Heap	1938	2390545
Q	490m W	Unspecified Heap	1906	2394570
Q	492m W	Unspecified Heap	1931	2401048

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	8

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

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

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Unspecified Tank**	**1907**	**443046**
5	33m NE	Tanks	1997	442656
8	89m NW	Unspecified Tank	1871	443047
G	172m W	Unspecified Tank	1991 - 1995	445857
15	258m SW	Unspecified Tank	1989	443051
I	268m SW	Unspecified Tank	1989	443052
16	303m SW	Unspecified Tank	1990	443053
L	405m E	Unspecified Tank	1907 - 1939	446417

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	9

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

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

ID	Location	Land use	Dates present	Group ID
C	175m SW	Electricity Substation	1990	332517
10	176m NW	Electricity Substation	1988	332155
12	242m NW	Electricity Substation	1991 - 1995	333893
J	313m NW	Electricity Substation	1992	334203
J	313m NW	Electricity Substation	1982	334810
K	346m NW	Electricity Substation	1992	333390
K	346m NW	Electricity Substation	1982	333957
19	433m W	Gas Governor	1993 - 1997	333662
20	439m W	Electricity Substation	1991 - 1995	334814

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.

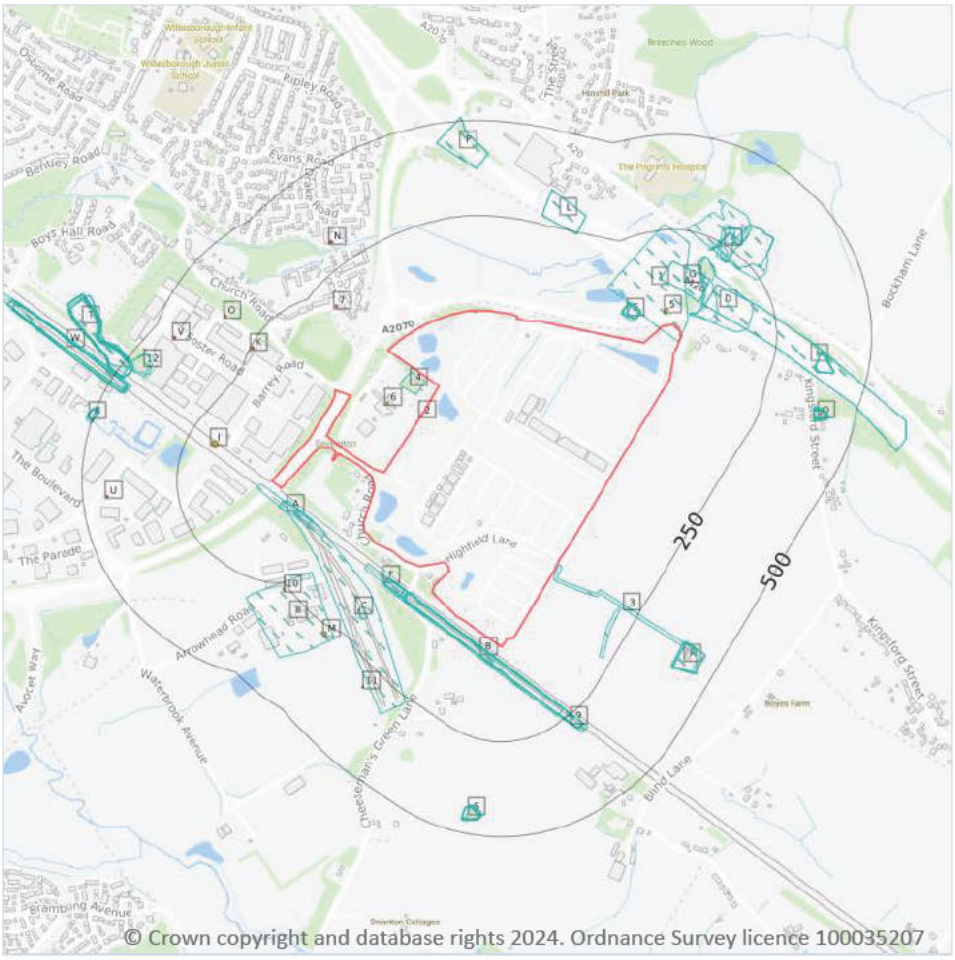
1.6 Historical military land

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

Historical energy features

2.1 Historical industrial land uses

Records within 500m	83

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 20 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Nursery**	**1975**	**2386978**
3	5m SE	Unspecified Ground Workings	1906	2387584
4	10m NW	Grave Yard	1872	2386791

ID	Location	Land Use	Date	Group ID
A	23m W	Cuttings	1872	2383385
B	25m S	Cuttings	1931	2401892
B	25m S	Cuttings	1872	2399016
B	28m S	Cuttings	1938	2396021
B	28m S	Cuttings	1906	2393581
B	30m S	Cuttings	1955	2394375
C	34m W	Railway Sidings	1993	2399149
A	36m W	Railway Sidings	1931	2396968
D	49m NE	Unspecified Quarry	1955	2403028
E	50m NE	Unspecified Quarry	1955	2399588
D	50m NE	Unspecified Quarry	1939	2403028
F	55m SW	Cuttings	1872	2390565
E	56m NE	Unspecified Pit	1938	2384322
E	57m NE	Unspecified Quarry	1906	2395713
E	58m NE	Unspecified Quarry	1931	2395713
F	60m SW	Cuttings	1938	2390535
F	60m SW	Cuttings	1906	2397734
F	64m SW	Cuttings	1955	2396329
G	88m NE	Cuttings	1993	2390430
G	88m NE	Cuttings	1984	2390430
H	93m NE	Cuttings	1993	2397236
H	93m NE	Cuttings	1984	2392546
C	162m SW	Railway Building	1993	2383817
I	175m W	Unspecified Tank	1993	2385616
8	176m SW	Unspecified Depot	1993	2386083
J	212m NE	Unspecified Quarry	1906	2386226
J	213m NE	Unspecified Old Quarry	1896	2397432
J	213m NE	Unspecified Old Quarry	1955	2395961

ID	Location	Land Use	Date	Group ID
J	217m NE	Unspecified Old Quarry	1939	2395961
J	224m NE	Refuse Heap	1975	2383592
L	245m N	Cuttings	1993	2401534
L	245m N	Cuttings	1984	2401534
9	247m S	Cuttings	1955	2392684
M	268m SW	Unspecified Tank	1993	2385615
J	290m NE	Unspecified Tank	1896	2385635
J	293m NE	Lime Kiln	1872	2386453
H	361m E	Unspecified Pit	1906	2401611
H	361m E	Unspecified Pit	1896	2401611
H	361m E	Unspecified Pit	1939	2401611
H	363m E	Unspecified Pit	1955	2394623
P	373m N	Cuttings	1993	2399656
P	373m N	Cuttings	1984	2399656
Q	386m E	Unspecified Pit	1955	2396989
Q	388m E	Unspecified Pit	1906	2395992
Q	388m E	Unspecified Pit	1939	2395992
Q	389m E	Unspecified Ground Workings	1872	2387728
R	389m SE	Hospital	1938	2389467
R	390m SE	Small Pox Hospital	1931	2389649
Q	390m E	Unspecified Pit	1896	2396623
R	396m SE	Dairy	1984	2395530
R	396m SE	Dairy	1975	2390068
S	424m S	Gravel Pit	1931	2387298
S	426m S	Unspecified Pit	1872	2400729
S	428m S	Unspecified Pit	1955	2390874
12	428m W	Unspecified Ground Workings	1872	2387702
S	431m S	Unspecified Pit	1938	2393839

ID	Location	Land Use	Date	Group ID
S	431m S	Unspecified Pit	1906	2393375
S	431m S	Unspecified Pit	1896	2393375
T	433m W	Unspecified Pit	1896	2399853
W	447m W	Cuttings	1872	2401306
W	451m W	Cuttings	1931	2400581
W	454m W	Cuttings	1938	2402095
W	454m W	Cuttings	1906	2389863
W	454m W	Cuttings	1896	2389863
W	458m W	Cuttings	1993	2399003
W	458m W	Cuttings	1984	2399003
W	458m W	Cuttings	1975	2403151
W	458m W	Cuttings	1955	2403151
T	468m W	Unspecified Pit	1931	2394168
T	468m W	Unspecified Pit	1931	2394168
T	470m W	Unspecified Pits	1984	2400543
T	470m W	Unspecified Pits	1975	2391054
T	470m W	Unspecified Pits	1955	2391054
T	479m W	Unspecified Pit	1938	2394168
T	479m W	Unspecified Pit	1906	2394168
X	489m W	Unspecified Heap	1955	2397787
X	490m W	Unspecified Heap	1938	2390545
X	490m W	Unspecified Heap	1906	2394570
X	492m W	Unspecified Heap	1931	2401048
X	492m W	Unspecified Heap	1931	2401048

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	10

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. 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 20 >

ID	Location	Land Use	Date	Group ID
2	**On site**	**Unspecified Tank**	**1907**	**443046**
5	33m NE	Tanks	1997	442656
6	89m NW	Unspecified Tank	1871	443047
I	172m W	Unspecified Tank	1991	445857
I	172m W	Unspecified Tank	1995	445857
10	258m SW	Unspecified Tank	1989	443051
M	268m SW	Unspecified Tank	1989	443052
11	303m SW	Unspecified Tank	1990	443053
Q	405m E	Unspecified Tank	1907	446417
Q	405m E	Unspecified Tank	1939	446417

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	12

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

Features are displayed on the Past land use - un-grouped map on page 20 >

ID	Location	Land Use	Date	Group ID
C	175m SW	Electricity Substation	1990	332517
7	176m NW	Electricity Substation	1988	332155
K	242m NW	Electricity Substation	1991	333893
K	242m NW	Electricity Substation	1995	333893

ID	Location	Land Use	Date	Group ID
N	313m NW	Electricity Substation	1982	334810
N	313m NW	Electricity Substation	1992	334203
O	346m NW	Electricity Substation	1982	333957
O	346m NW	Electricity Substation	1992	333390
U	433m W	Gas Governor	1993	333662
U	433m W	Gas Governor	1997	333662
V	439m W	Electricity Substation	1995	334814
V	439m W	Electricity Substation	1991	334814

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.

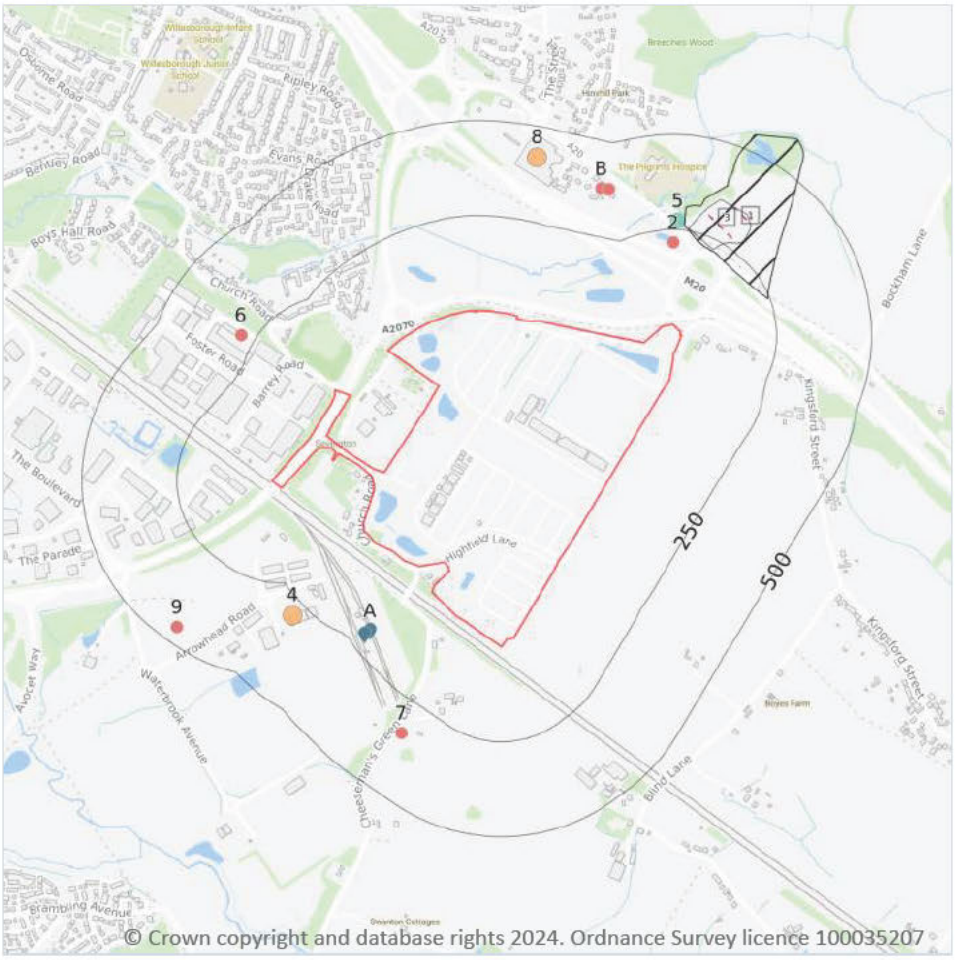
2.5 Historical garages

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 (BGS)
- Historical landfill (LA/OS)
- Historical waste sites
- 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	1

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

Features are displayed on the Waste and landfill map on page 26 >

ID	Location	Address	BGS Number	Risk	Waste Type
5	273m NE	Swatfield Bridge Tip, Dover Rd, nr Ashford, Kent	123	Risk to major aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	1

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

Features are displayed on the Waste and landfill map on page 26 >

ID	Location	Site address	Source	Data type
3	224m NE	Refuse Tip	1971 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 26 >

ID	Location	Details		
1	212m NE	Site Address: Mersham Quarry, Ashford, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: AS1 Waste Type: Inert, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: Ashford Urban District Council Licence Holder: Ashford District Council First Recorded 31/12/1966 Last Recorded: 01/12/1974

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

3.5 Historical waste sites

Records within 500m	2

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

Features are displayed on the Waste and landfill map on page 26 >

ID	Location	Address	Further Details	Date
4	264m SW	Site Address: Waterbrook Park, Waterbrook Avenue, ASHFORD, Kent, TN24 0GB	Type of Site: Waste Transfer Station Planning application reference: 06/00004/AS Description: Scheme comprises the construction of a waste transfer station building of 1666sqm, 2 control cabins of 30sqm each, weighbridges, 5 car parking spaces, access drive, landscaping and associated works. Construction - steel cladding walls; insitu concreteloo r; steel cladding roof; roller shutter doors; insitu concrete decking site works. An application (re: 06/00004/AS) for Detailed Planning permission has been submitted to Ashford B.C. The start date has been provided as a guideline. Detailed plans have be en submitted. Data source: Historic Planning Application Data Type: Point	01/06/2006
8	393m N	Site Address: Tesco Stores Ltd,Hythe Road, Willesborough, ASHFORD, Kent, TN24 0YE	Type of Site: Recycling Facility Planning application reference: 09/01477/AS Description: Scheme comprises replacement of recycling facilities with new Tomra Automated Recycling Centre. An application (ref: 09/01477/AS) for detailed planning permission was withdrawn from Ashford B.C. A detailed planning application has been withdrawn. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	2

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

Features are displayed on the Waste and landfill map on page 26 >

ID	Location	Details		
A	194m SW	Site Name: Sevington Recycling Facility EPR/AP3730AJ Site Address: Sevington Recycling Facility, Waterbrook Avenue, Ashford, Kent, TN24 0GB Correspondence Address: -	Type of Site: Physical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 639146 EPR reference: EA/EPR/AP3730AJ Operator: Brett Aggregates Limited Waste Management licence No: 402283 Annual Tonnage: 0	Issue Date: 31/12/2020 Effective Date: 31/12/2020 Modified: - Surrendered Date: 31/12/2020 Expiry Date: - Cancelled Date: - Status: Surrendered
A	212m SW	Site Name: Sevington Recycling Facility Site Address: Waterbrook Avenue, Sevington, Ashford, Kent, TN24 0GB Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BRE098 EPR reference: EA/EPR/AP3730AJ/A001 Operator: Brett Aggregates Limited Waste Management licence No: 402283 Annual Tonnage: 174999	Issue Date: 20/11/2015 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m **8**

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.

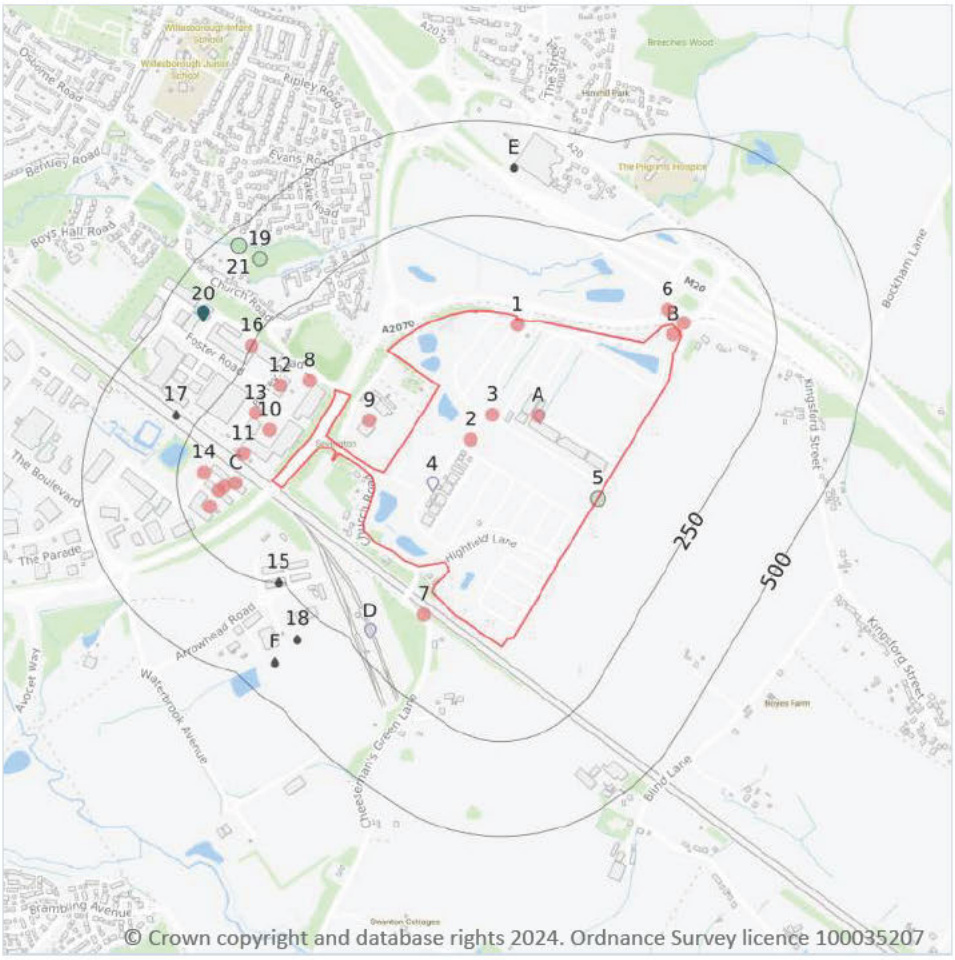
Features are displayed on the Waste and landfill map on page 26 >

ID	Location	Site	Reference	Category	Sub-Category	Description
2	214m NE	Hythe Road, Willesborough, Ashford, Tn24 0ne	WEX137582	Treating waste exemption	Not on a farm	Manual treatment of waste
6	287m NW	-	WEX375814	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
7	340m S	Waterbrook Park, Waterbrook Avenue, Sevington, Ashford, Tn24 0lj	WEX156207	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
B	374m N	C/o Bellway, Hinxhill Park, Hythe Road, Willesborough, Ashford, Tn24 0ne	WEX251171	Using waste exemption	Not on a farm	Use of waste in construction
B	374m N	Bellway Homes Housing Development, Hinxhill Park, Ashford, Tn24 0ne	WEX271550	Using waste exemption	Not on a farm	Use of waste in construction
B	377m N	Vinci Joint Venture, Old Wyevale Garden Centre, Hythe Road, Ashford, Tn24 0ne	WEX132429	Using waste exemption	Not on a farm	Use of waste in construction
B	377m N	Vinci Joint Venture, Hythe Road, Willesborough, Ashford, Tn24 0ne	WEX139288	Treating waste exemption	Not on a farm	Screening and blending of waste
9	460m SW	-	WEX160696	Using waste exemption	Not on a farm	Use of waste in construction

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	20

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on page 31 >

ID	Location	Company	Address	Activity	Category
1	On site	Electricity Sub Station	Kent, TN25	Electrical Features	Infrastructure and Facilities
2	On site	Electricity Sub Station	Kent, TN25	Electrical Features	Infrastructure and Facilities
3	On site	Electricity Sub Station	Kent, TN25	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
A	**On site**	**Electricity Sub Stations**	**Kent, TN25**	**Electrical Features**	**Infrastructure and Facilities**
B	**On site**	**Pumping Station**	**Kent, TN25**	**Water Pumping Stations**	**Industrial Features**
B	22m NE	Electricity Sub Station	Kent, TN25	Electrical Features	Infrastructure and Facilities
6	41m NE	Tank	Kent, TN25	Tanks (Generic)	Industrial Features
7	56m SW	Electricity Sub Station	Kent, TN24	Electrical Features	Infrastructure and Facilities
8	72m W	Electricity Sub Station	Kent, TN24	Electrical Features	Infrastructure and Facilities
9	77m W	Silo	Kent, TN24	Hoppers and Silos	Farming
10	94m W	Dreams Ashford	Ashford Retail Park, Barrey Road, Sevington, Kent, TN24 0SG	Beds and Bedding	Consumer Products
C	95m W	Littlejohn Flooring	Unit 7 Tavis House Business Centre 3, Hall Avenue, Orbital Park, Sevington, Kent, TN24 0YY	Construction Completion Services	Construction Services
11	105m W	Electricity Sub Station	Kent, TN24	Electrical Features	Infrastructure and Facilities
C	127m W	Tavis Business Centre	Kent, TN24	Business Parks and Industrial Estates	Industrial Features
12	139m W	Keel Toys	Unit 1 Ashford Business Park, Barrey Road, Sevington, Kent, TN24 0SG	Hobby, Sports and Pastime Products	Consumer Products
C	144m W	Starley Compressed Air Ltd	Unit 14 Tavis House Business Centre 3, Hall Avenue, Orbital Park, Sevington, Kent, TN24 0YY	Pumps and Compressors	Industrial Products
13	151m W	Electricity Sub Station	Kent, TN24	Electrical Features	Infrastructure and Facilities
C	177m W	Ambulance Station	Kent, TN24	Ambulance and Medical Transportation Services	Health Support Services
14	181m W	Electricity Sub Station	Kent, TN24	Electrical Features	Infrastructure and Facilities
16	249m NW	Electricity Sub Station	Kent, TN24	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	6

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

Features are displayed on the Current industrial land use map on **page 31 >**

ID	Location	Details	
4	On site	**Operator: HMRC** **Installation Name: DfT Sevington Inland border facility** **Process: MCP** **Permit Number: YB3799YA** **Original Permit Number: YB3799YA**	**EPR Reference: EPR/YB3799YA** **Issue Date: 13/12/2022** **Effective Date: 13/12/2022** **Last date noted as effective: 29/10/2024** **Status: Effective**

ID	Location	Details	
A	**On site**	**Operator: DEFRA Group Facilities Management** **Installation Name: Sevington Inland border facility transportation** **Process: MCP** **Permit Number: ZB3499YZ** **Original Permit Number: ZB3499YZ**	**EPR Reference: EPR/ZB3499YZ** **Issue Date: 25/02/2022** **Effective Date: 25/02/2022** **Last date noted as effective: 29/10/2024** **Status: Effective**
D	194m SW	Operator: BRETT AGGREGATES LIMITED Installation Name: Sevington Recycling Facility EPR/AP3730AJ Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING TREATMENT OF SLAGS AND ASHES Permit Number: AP3730AJ Original Permit Number: AP3730AJ	EPR Reference: EPR/AP3730AJ Issue Date: 31/12/2020 Effective Date: 31/12/2020 Last date noted as effective: 29/10/2024 Status: Surrendered
D	194m SW	Operator: BRETT AGGREGATES LIMITED Installation Name: Sevington Recycling Facility EPR/AP3730AJ Process: CEMENT AND LIME; BLENDING/USING CEMENT IN BULK (UNLESS AT A CONSTRUCTION SITE) Permit Number: AP3730AJ Original Permit Number: AP3730AJ	EPR Reference: EPR/AP3730AJ Issue Date: 31/12/2020 Effective Date: 31/12/2020 Last date noted as effective: 29/10/2024 Status: Surrendered
D	194m SW	Operator: Brett Aggregates Limited Installation Name: Sevington Recycling Facility EPR/AP3730AJ Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING TREATMENT OF SLAGS AND ASHES Permit Number: VP3704SA Original Permit Number: AP3730AJ	EPR Reference: - Issue Date: - Effective Date: 31/12/2020 Last date noted as effective: 21/03/2023 Status: Surrender Effective
D	194m SW	Operator: Brett Aggregates Limited Installation Name: Sevington Recycling Facility EPR/AP3730AJ Process: CEMENT AND LIME; BLENDING/USING CEMENT IN BULK (UNLESS AT A CONSTRUCTION SITE) Permit Number: VP3704SA Original Permit Number: AP3730AJ	EPR Reference: - Issue Date: - Effective Date: 31/12/2020 Last date noted as effective: 21/03/2023 Status: Surrender Effective

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

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

Records within 500m	1

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

Features are displayed on the Current industrial land use map on page 31 >

ID	Location	Address	Details	
20	401m NW	Ashford Accident Repair Centre, Foster Road, Ashford Business Park, Sevington, Kent, TN24 0SH	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	8

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

Features are displayed on the Current industrial land use map on page 31 >

ID	Location	Address	Details	
15	248m SW	TEMPORARYRAILHEAD,TEMPORARYRAILHEAD,SEVINGTON,ASHFORD,KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01201 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 28/09/1987 Effective Date: 28/09/1987 Revocation Date: 24/11/1995
17	307m W	ASHFORDPARK,ASHFORDPARK,BTWNCHRD,SEVINGTON,&,FOLKSTONERAILWAY	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P00378 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 17/03/1986 Effective Date: 17/03/1986 Revocation Date: 31/03/1997

ID	Location	Address	Details	
18	325m SW	SEVINGTONCONSTRUCTIONCOMPOUND,SEVINGTONCONSTRUCTIONCOMPOUND,OFFBADMUNSTEREIFELROAD,ASHFORD,KENT	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P07912R Permit Version: 1 Receiving Water: THE STOUR	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 07/12/1999 Effective Date: 07/12/1999 Revocation Date: -
E	382m N	LANDATCROOKSFOOT,LANDATCROOKSFOOT,HYTHEROAD,WILLESBOROUGH,ASHFORD,KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P03511 Permit Version: 1 Receiving Water: INTO LAND	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 19/03/1991 Effective Date: 19/03/1991 Revocation Date: 20/10/1995
E	382m N	LANDATCROOKSFOOT,LANDATCROOKSFOOT,HYTHEROAD,WILLESBOROUGH,ASHFORD,KENT	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P03511 Permit Version: 2 Receiving Water: INTO LAND	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 20/10/1995 Effective Date: 20/10/1995 Revocation Date: 20/12/2012
E	382m N	LANDATCROOKSFOOT,LANDATCROOKSFOOT,HYTHEROAD,WILLESBOROUGH,ASHFORD,KENT	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P03511 Permit Version: 3 Receiving Water: INTO LAND	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
F	409m SW	TEMPORARYRAILHEAD,TEMPORARYRAILHEAD,SEVINGTON,ASHFORD,KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P01359 Permit Version: 1 Receiving Water: FRESHWATER STREAM OR RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 04/02/1988 Effective Date: 04/02/1988 Revocation Date: 31/03/1997
F	409m SW	TEMPORARYRAILHEAD,TEMPORARYRAILHEAD,SEVINGTON,ASHFORD,KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01357 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 09/12/1987 Effective Date: 09/12/1987 Revocation Date: 17/04/1997

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	3

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	
5	**On site**	**Incident Date: 01/08/2001** **Incident Identification: 20956** **Pollutant: Specific Waste Materials** **Pollutant Description: Household Waste**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 3 (Minor)** **Air Impact: Category 4 (No Impact)**
19	399m NW	Incident Date: 03/05/2001 Incident Identification: 11008 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
21	457m NW	Incident Date: 05/01/2021 Incident Identification: 1876440 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

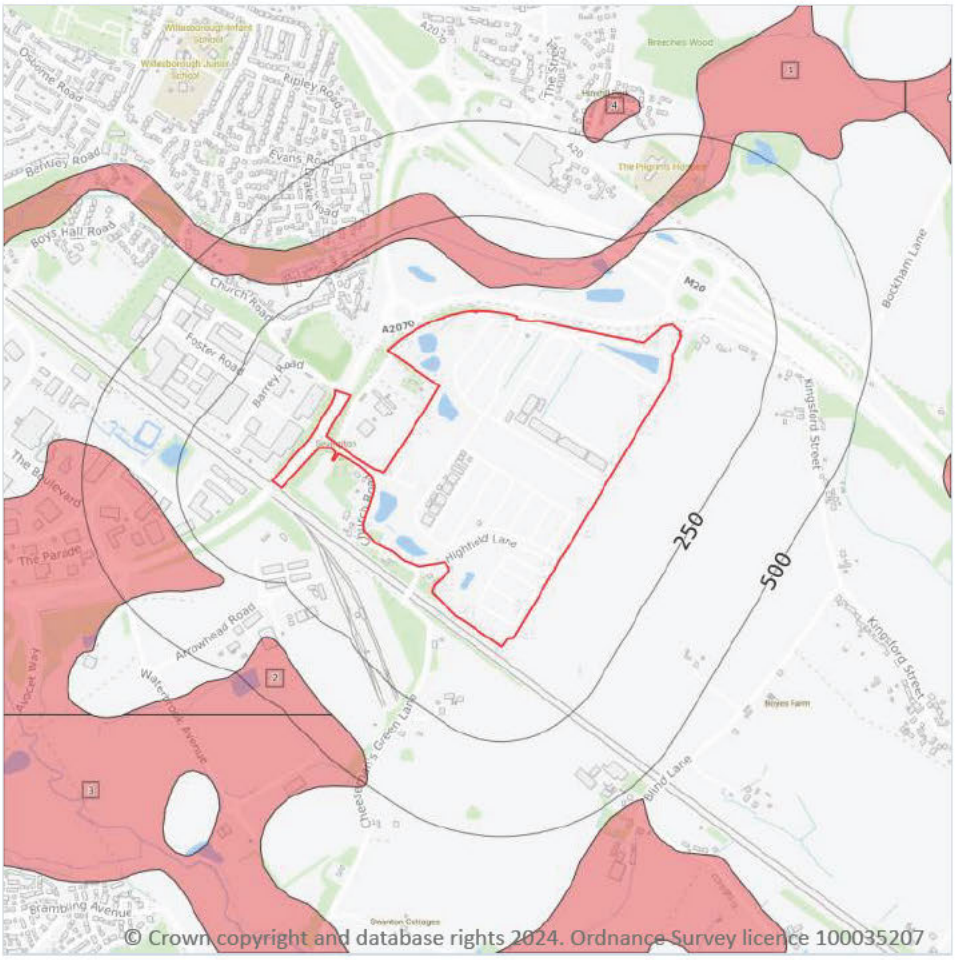
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m	4

Aquifer status of groundwater held within superficial geology.

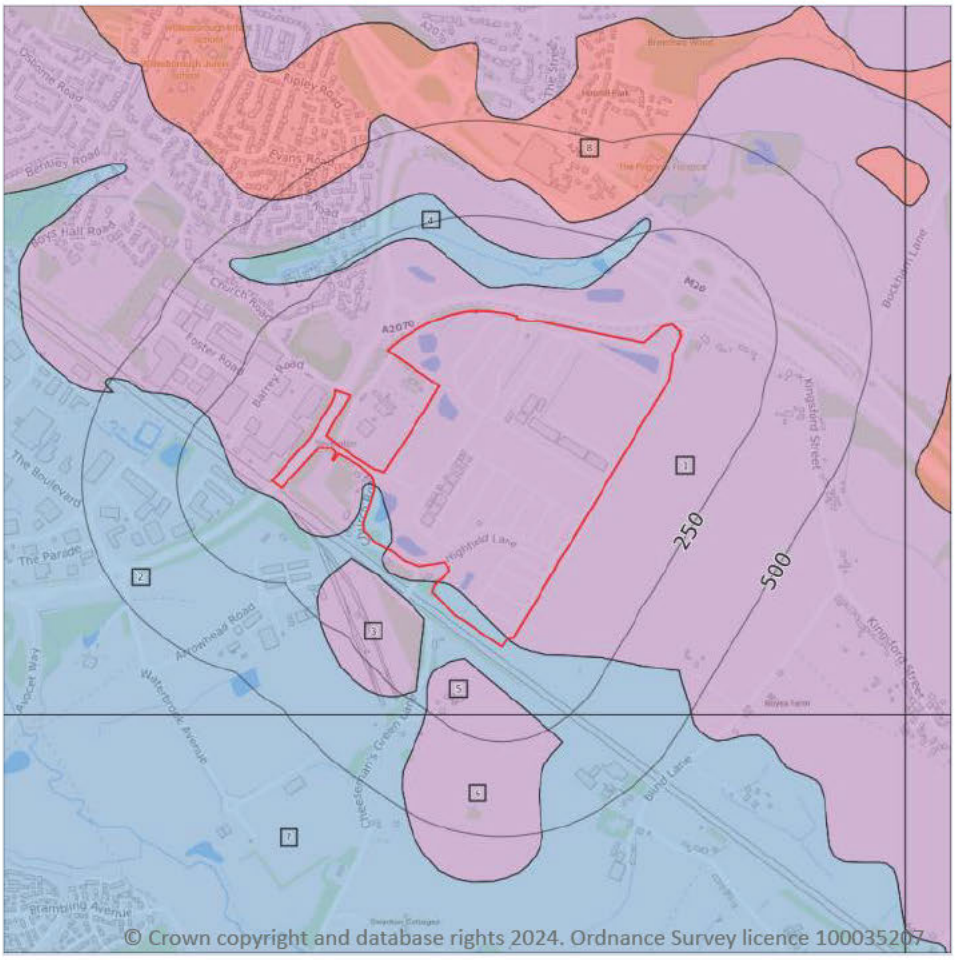
Features are displayed on the Hydrogeology map on page 40 >

ID	Location	Designation	Description
1	63m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	368m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	415m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	489m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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	8

Aquifer status of groundwater held within bedrock geology.

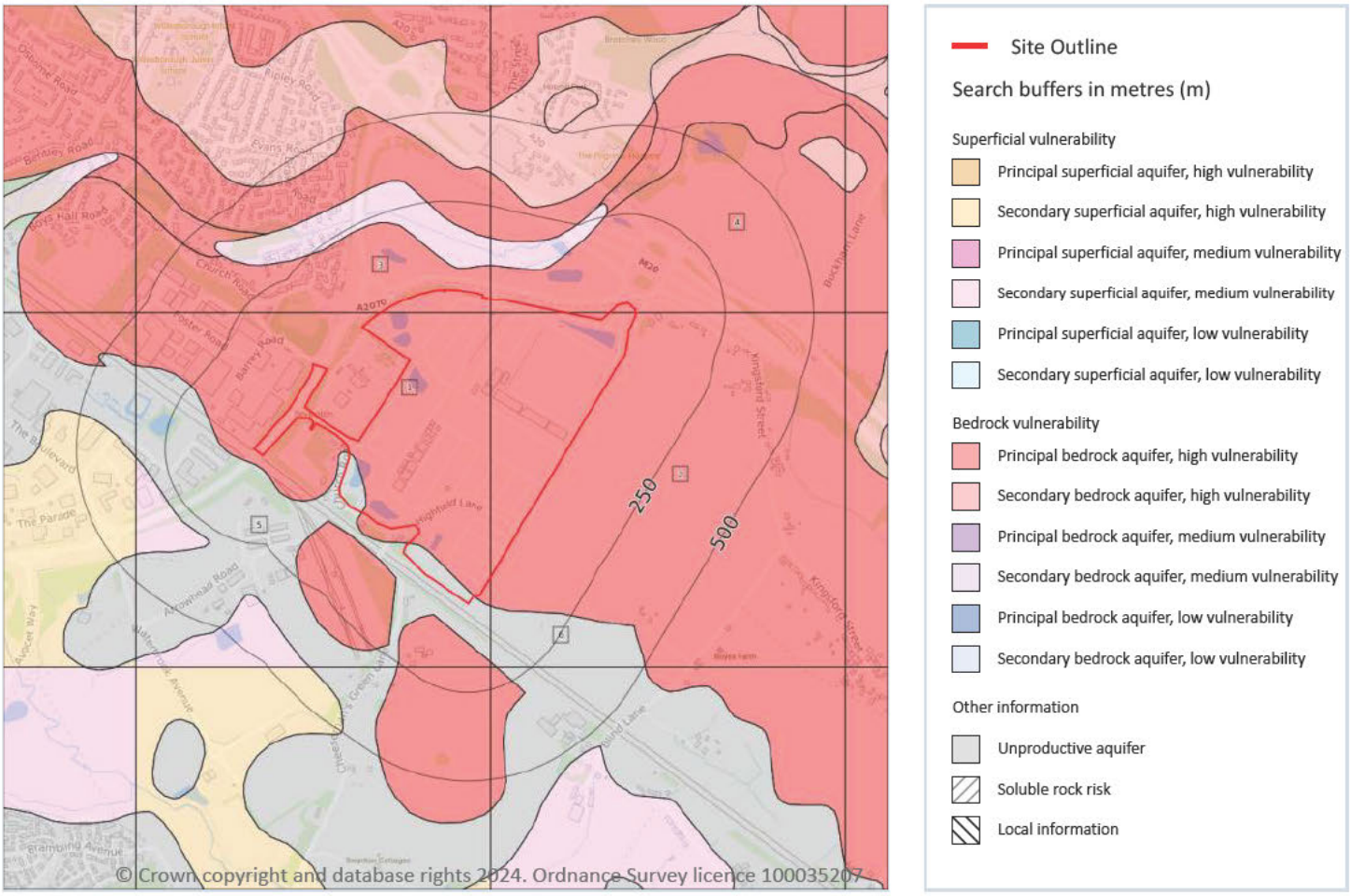
Features are displayed on the Bedrock aquifer map on page 42 >

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	63m SW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
4	63m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	81m S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
6	179m S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
7	196m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
8	272m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	6

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 44 >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
2	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
3	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
4	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
5	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
6	43m S	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

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.

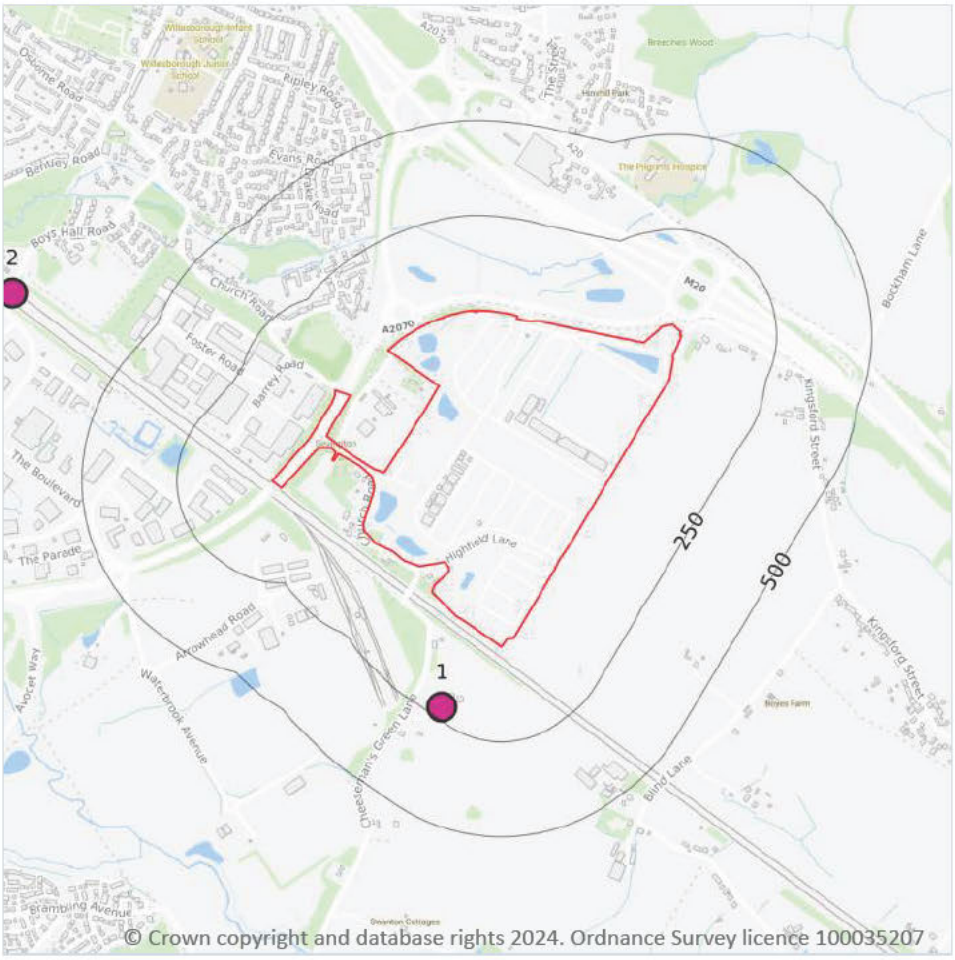
5.5 Groundwater vulnerability- local information

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	2

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

Features are displayed on the Abstractions and Source Protection Zones map on page 47 >

ID	Location	Details	
1	221m S	Status: Historical Licence No: 9/40/04/0158/GR Details: General use relating to Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: POINT W AT SEVINGTON Data Type: Point Name: Brown Easting: 603780 Northing: 140020	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 14/01/1971 Version End Date: -
2	843m W	Status: Historical Licence No: 11/058 Details: Dust suppression Direct Source: Southern Region Groundwater Point: POINT B, NR. CROW CORNER, WILESBOROUGH, ASHFORD. Data Type: Point Name: Kvaerner Construction Ltd. Easting: 602650 Northing: 141110	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: 31/10/2002 Issue No: 100 Version Start Date: 23/07/1999 Version End Date: -

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 47 >

ID	Location	Details	
-	928m NE	Status: Active Licence No: 9/40/04/0174/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT 1, WATERCOURSE AT QUARRINGTON FARM, MERSHAM Data Type: Point Name: Mersham Productions Ltd (Farms) Easting: 605300 Northing: 141270	Annual Volume (m^3): 5455 Max Daily Volume (m^3): 382 Original Application No: WR.1807 Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date: -

ID	Location	Details	
-	1047m W	Status: Historical Licence No: 11/057 Details: Dust suppression Direct Source: Southern Region Surface Waters Point: POINT A, AYLESFORD STREAM, ASHFORD, KENT. Data Type: Point Name: Kvaerner Construction Ltd. Easting: 602500 Northing: 141250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: 31/10/2002 Issue No: 100 Version Start Date: 23/07/1999 Version End Date: -
-	1177m E	Status: Active Licence No: 9/40/04/0174/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT 2, WATERCOURSE AT QUARRINGTON FARM, MERSHAM Data Type: Point Name: Mersham Productions Ltd (Farms) Easting: 605580 Northing: 141140	Annual Volume (m^3): 5455 Max Daily Volume (m^3): 382 Original Application No: WR.1807 Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date: -
-	1361m E	Status: Active Licence No: 9/40/04/0174/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT 3, WATERCOURSE AT QUARRINGTON FARM, MERSHAM Data Type: Point Name: Mersham Productions Ltd (Farms) Easting: 605770 Northing: 141080	Annual Volume (m^3): 5455 Max Daily Volume (m^3): 382 Original Application No: WR.1807 Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date: -
-	1590m E	Status: Active Licence No: 9/40/04/0174/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT 6, POND AT QUARRINGTON FARM, MERSHAM Data Type: Point Name: Mersham Productions Ltd (Farms) Easting: 606000 Northing: 140950	Annual Volume (m^3): 5455 Max Daily Volume (m^3): 382 Original Application No: WR.1807 Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date: -

ID	Location	Details	
-	1602m E	Status: Active Licence No: 9/40/04/0174/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT 4, WATERCOURSE AT QUARRINGTON FARM, MERSHAM Data Type: Point Name: Mersham Productions Ltd (Farms) Easting: 606000 Northing: 141200	Annual Volume (m^3): 5455 Max Daily Volume (m^3): 382 Original Application No: WR.1807 Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date: -
-	1816m E	Status: Active Licence No: 9/40/04/0174/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT 7, POND AT QUARRINGTON FARM, MERSHAM Data Type: Point Name: Mersham Productions Ltd (Farms) Easting: 606210 Northing: 140750	Annual Volume (m^3): 5455 Max Daily Volume (m^3): 382 Original Application No: WR.1807 Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date: -
-	1941m E	Status: Active Licence No: 9/40/04/0174/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT 5, WATERCOURSE AT QUARRINGTON FARM, MERSHAM Data Type: Point Name: Mersham Productions Ltd (Farms) Easting: 606310 Northing: 141400	Annual Volume (m^3): 5455 Max Daily Volume (m^3): 382 Original Application No: WR.1807 Original Start Date: 28/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 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.

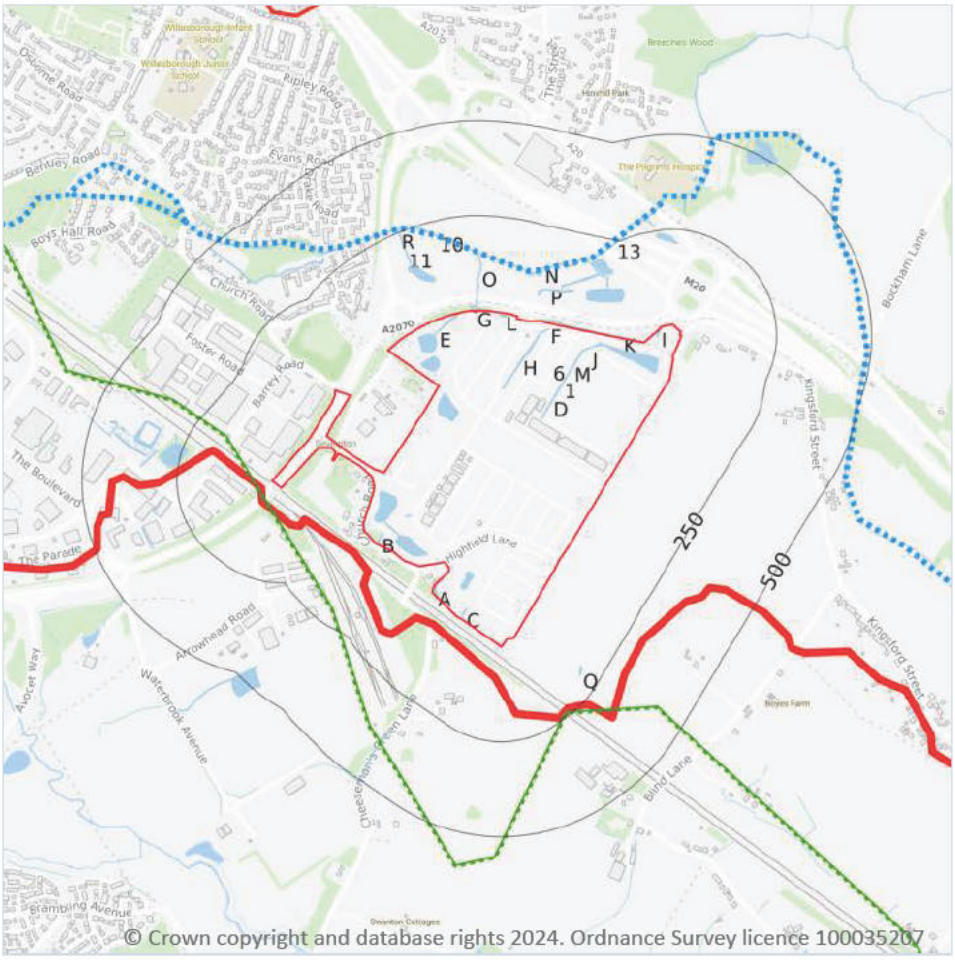
5.10 Source Protection Zones (confined aquifer)

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



6.1 Water Network (OS MasterMap)

Records within 250m	57

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 52 >

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

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
J	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	1m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
J	2m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	2m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	3m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	3m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	3m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	10m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	11m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	12m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	13m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	16m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	56m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	66m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	85m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
P	85m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	88m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
P	103m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	115m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	124m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	128m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
O	129m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	148m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
10	153m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	154m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	155m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
P	178m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	178m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
P	185m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	189m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
13	224m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
R	229m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	14

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

Features are displayed on the Hydrology map on page 52 >

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1

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 52 >

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
L	**On site**	**River**	**Aylesford Stream**	**GB107040019650**	**Stour Upper**	**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 52 >

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
9	121m N	River	Aylesford Stream	GB107040019650 ↗	Poor	Fail	Poor	2019

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

6.5 WFD Groundwater bodies

Records on site	1

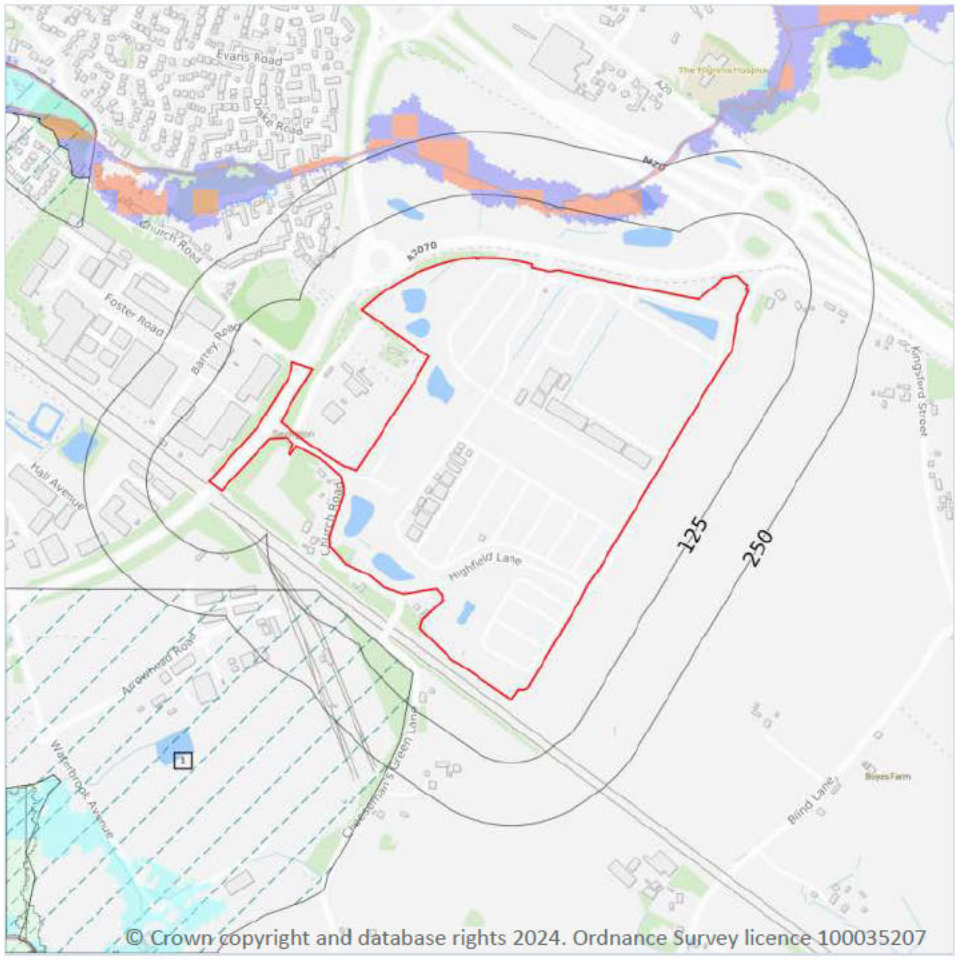
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on page 52 >

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

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

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	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	1

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

Features are displayed on the River and coastal flooding map on page 59 >

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	74m SW	07311a300_Mar1974_Stour_Kingsnorth	1974-03-01 1974-03-01	Unknown	Unknown	Fluvial

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	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.

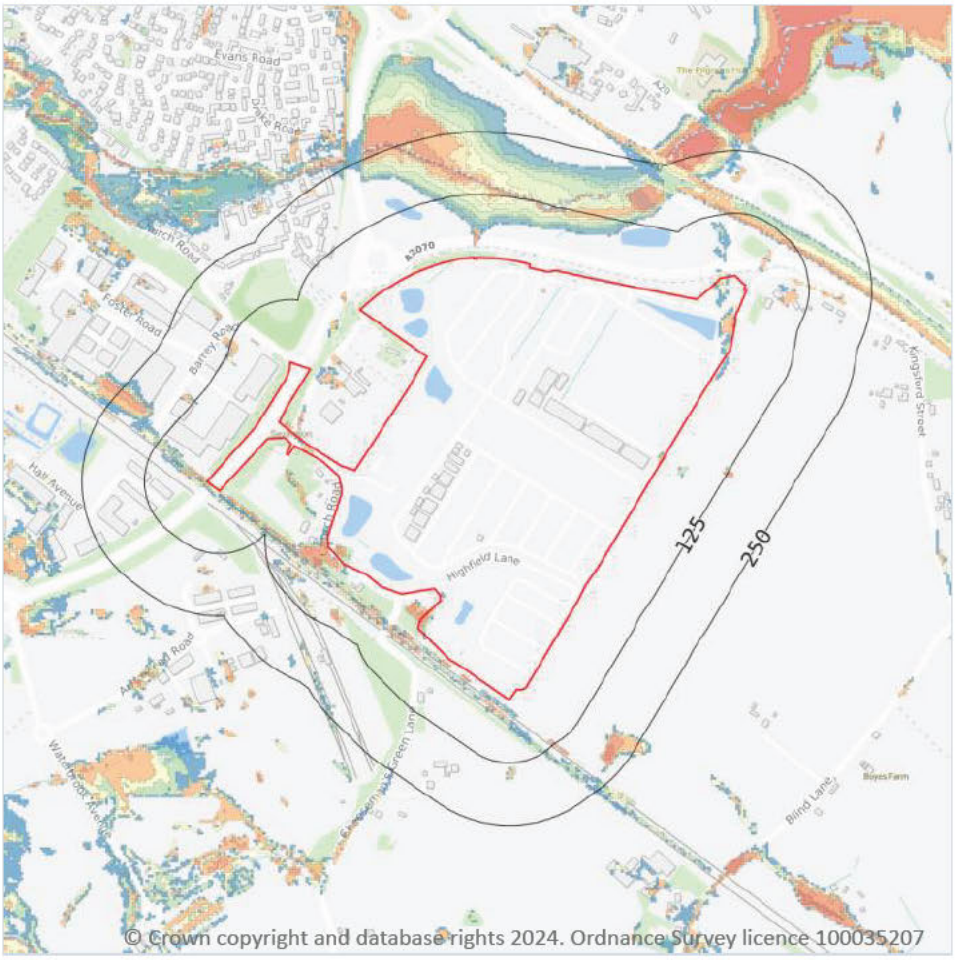
7.7 Flood Zone 3

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



Site Outline

Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

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

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

Features are displayed on the Surface water flooding map on page 62 >

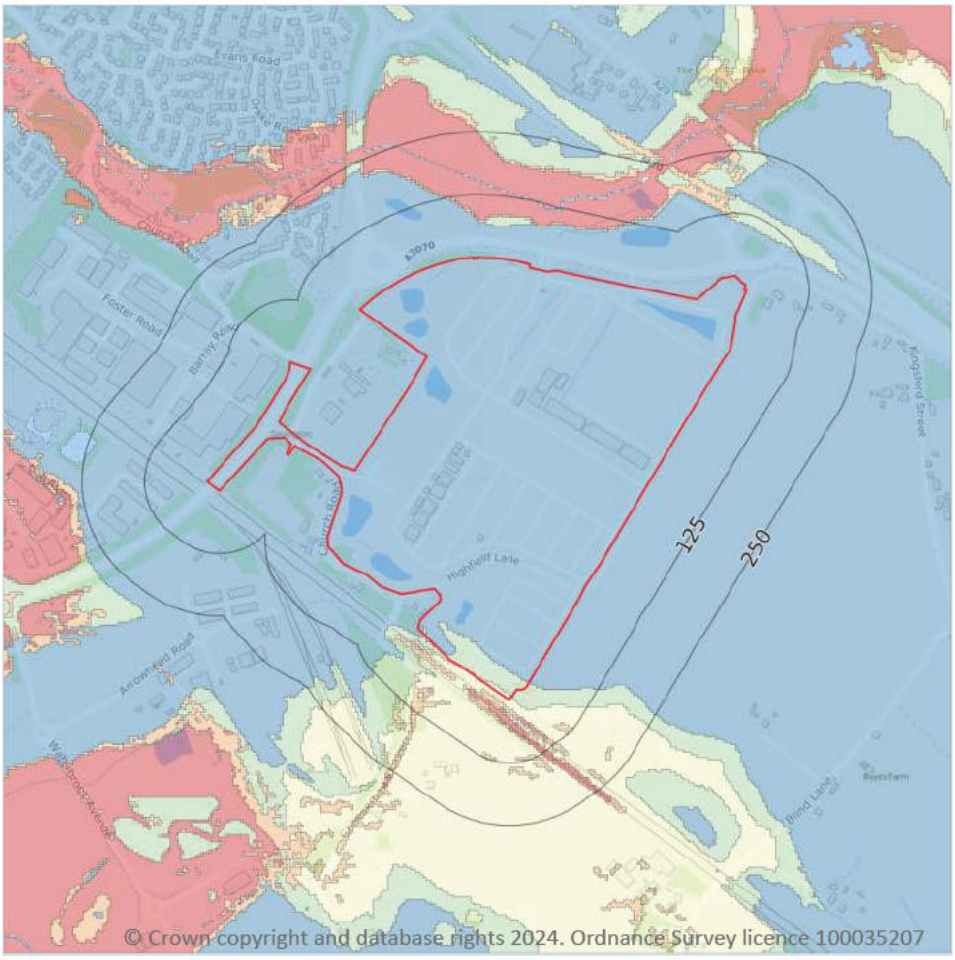
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on

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

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

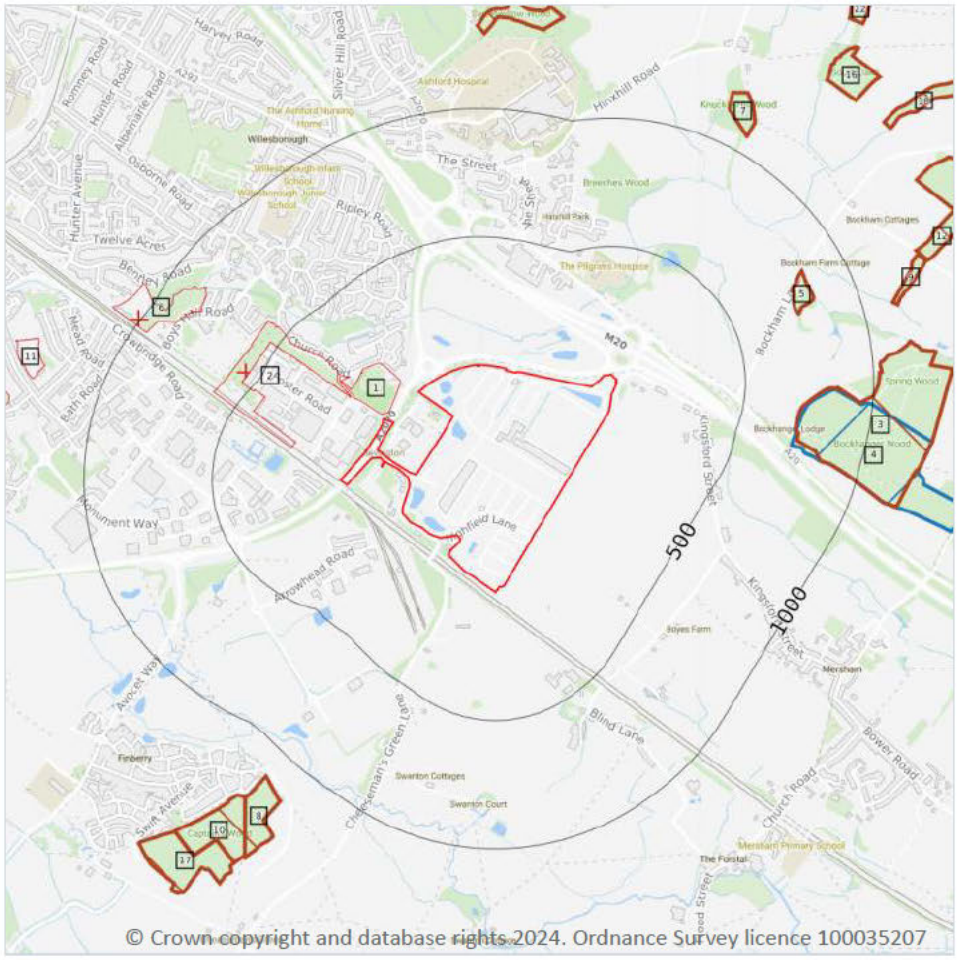
Highest risk on site	**Moderate**
Highest risk within 50m	**High**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 64 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



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 65 >

ID	Location	Name	Data source
4	722m E	Hatch Park	Natural England

ID	Location	Name	Data source
-	1449m E	Hatch Park	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	6

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 65 >

ID	Location	Name	Data source
1	18m W	Ashford Green Corridors	Natural England
2	151m NW	Ashford Green Corridors	Natural England
6	822m NW	Ashford Green Corridors	Natural England
11	1235m W	Ashford Green Corridors	Natural England
14	1327m W	Ashford Green Corridors	Natural England
-	1478m W	Ashford Green Corridors	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	15

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 65 >

ID	Location	Name	Woodland Type
3	718m E	Unknown	Ancient Replanted Woodland
5	749m NE	Unknown	Ancient & Semi-Natural Woodland
7	1068m NE	Unknown	Ancient & Semi-Natural Woodland
8	1113m SW	Unknown	Ancient & Semi-Natural Woodland
9	1118m E	Unknown	Ancient & Semi-Natural Woodland
10	1227m SW	Unknown	Ancient & Semi-Natural Woodland

ID	Location	Name	Woodland Type
12	1272m NE	Unknown	Ancient & Semi-Natural Woodland
13	1295m N	Unknown	Ancient & Semi-Natural Woodland
15	1404m NE	Unknown	Ancient & Semi-Natural Woodland
16	1424m NE	Unknown	Ancient & Semi-Natural Woodland
17	1426m SW	Unknown	Ancient & Semi-Natural Woodland
18	1447m NE	Unknown	Ancient & Semi-Natural Woodland
-	1653m N	Unknown	Ancient & Semi-Natural Woodland
22	1672m NE	Unknown	Ancient & Semi-Natural Woodland
-	1718m NE	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	0

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

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

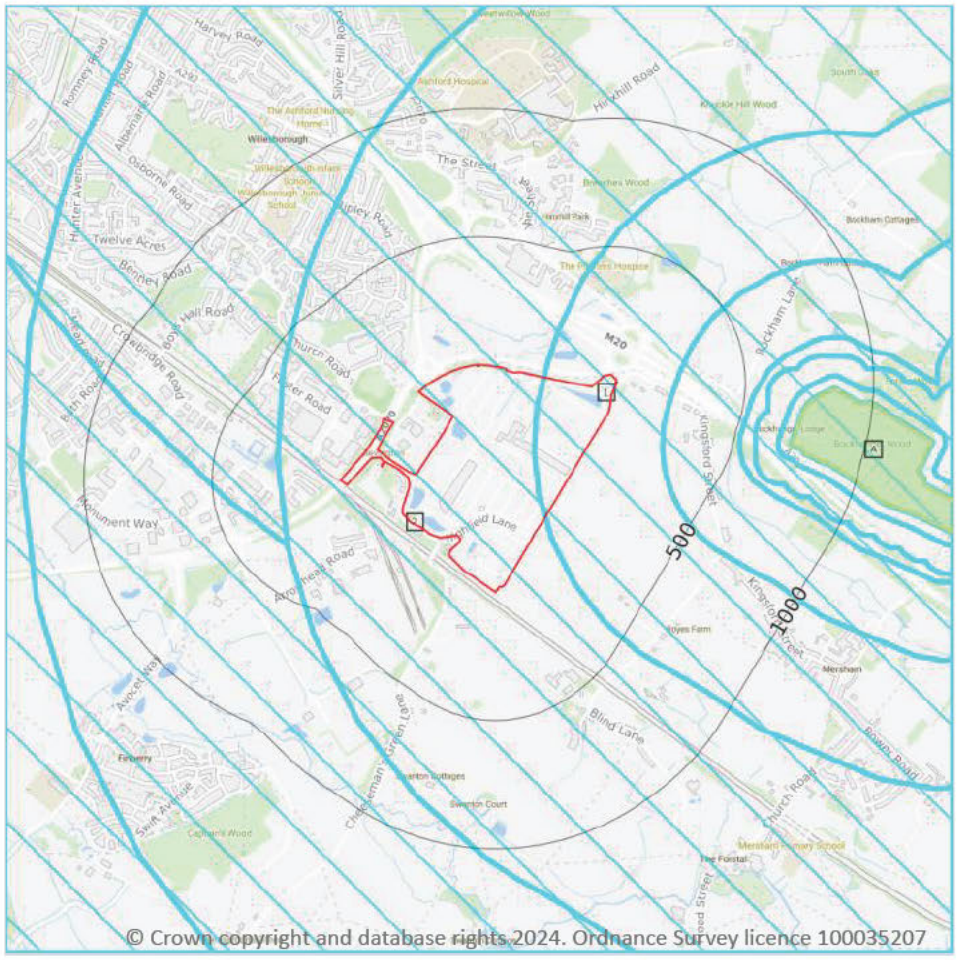
Records within 2000m	4

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

Location	Name	Type	NVZ ID	Status
On site	R. GREAT STOUR NVZ	Surface Water	515	Existing
On site	R. GREAT STOUR NVZ	Surface Water	515	Existing
On site	Maidstone	Groundwater	64	Existing
On site	Maidstone	Groundwater	64	Existing

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

SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site	2

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 71 >

ID	Location	Type of developments requiring consultation
1	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 50 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply . Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.**
2	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more. Notes: NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	3

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on page 71 >

ID: A
Location: 722m E
SSSI name: Hatch Park
Unit name: S15. Bockhanger Wood
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Favourable	28/09/2011
Invert. assemblage A212 bark and sapwood decay	Favourable	28/09/2011
Invert. assemblage A213 fungal fruiting body	Favourable	28/09/2011
Lichen assemblage	Favourable	28/09/2011
Lowland mixed deciduous woodland	Favourable	28/09/2011

ID: -
Location: 1449m E
SSSI name: Hatch Park
Unit name: S15. Deer Park
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Favourable	18/10/2011
Invert. assemblage A212 bark and sapwood decay	Favourable	18/10/2011
Invert. assemblage A213 fungal fruiting body	Favourable	18/10/2011
Invert. assemblage W211 open water on disturbed sediments	Favourable	18/10/2011
Lichen assemblage	Favourable	18/10/2011

Feature name	Feature condition	Date of assessment
Lowland dry acid grassland (U1e)	Unfavourable - Recovering	18/10/2011
Lowland mire grassland and rush pasture	Favourable	18/10/2011

ID: -
Location: 1858m E
SSSI name: Hatch Park
Unit name: S15. Quarrington Lane Coppice
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

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

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

11 Visual and cultural designations

Site Outline

Search buffers in metres (m)

- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

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	9

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on **page 75 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	19m W	Ashdown Ashdown Cottage	II	1233932	16/02/1989
2	23m SW	Maytree Cottages	II	1233936	16/02/1989
3	24m SW	Bridge Cottage	II	1233764	16/02/1989
4	31m NW	Church Of St Mary	I	1233902	27/11/1957
5	40m SW	Orchard Cottage	II	1233763	16/02/1989

ID	Location	Name	Grade	Reference Number	Listed date
6	66m NW	Court Lodge	II	1276463	13/10/1952
7	78m W	Barn About 20 Metres South East Of Court Lodge	II	1276464	16/02/1989
8	95m S	Imber	II	1233971	16/02/1989
9	213m NE	Milestone At Tr 045 412	II	1276471	16/02/1989

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.

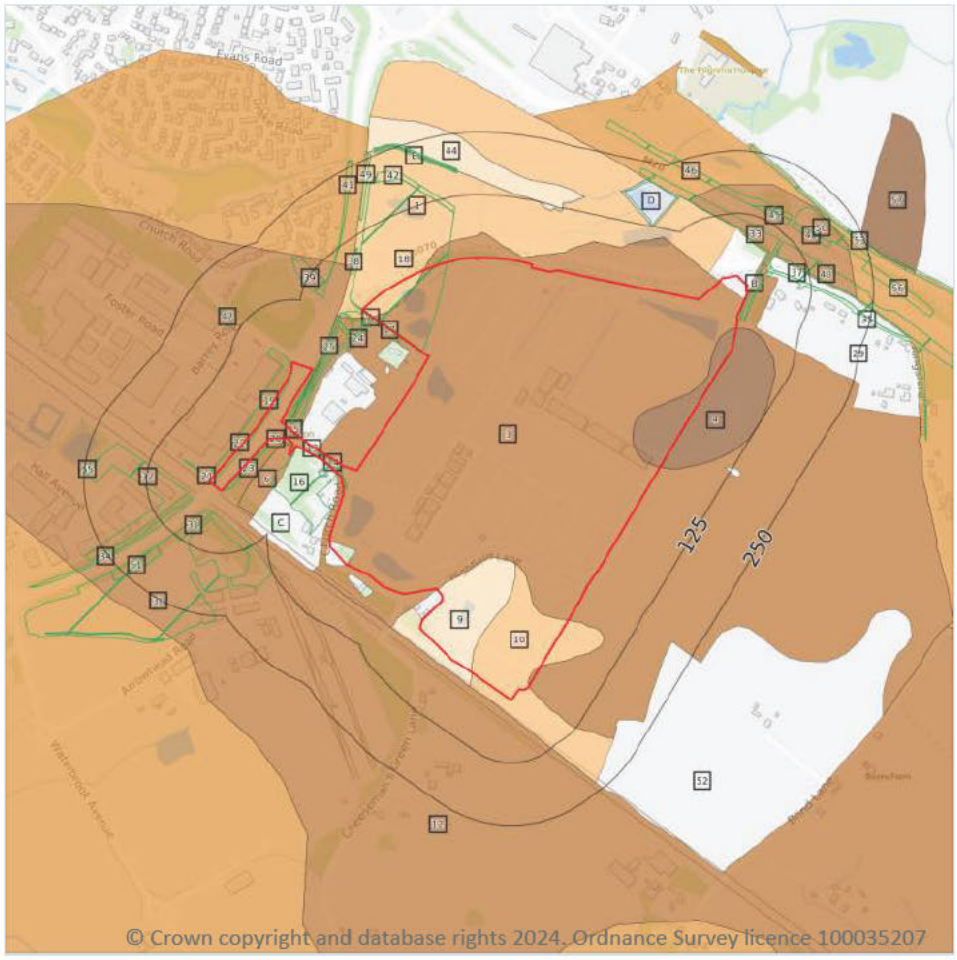
11.7 Registered Parks and Gardens

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	14

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 78 >

ID	Location	Classification	Description
1	On site	Grade 3a	**Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.**

ID	Location	Classification	Description
3	**On site**	**Grade 2**	**Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.**
4	**On site**	**Grade 1**	**Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.**
6	**On site**	**Grade 2**	**Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.**
9	**On site**	**Grade 3b**	**Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.**
10	**On site**	**Grade 3a**	**Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.**
12	**On site**	**Grade 2**	**Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.**
29	43m NE	Not Surveyed	Non-agricultural/no quality assigned
C	46m W	Not Surveyed	Non-agricultural/no quality assigned
C	79m NW	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.
44	114m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
D	125m NE	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
52	189m S	Not Surveyed	Non-agricultural/no quality assigned
57	242m NE	Grade 1	Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	43

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on page 78 >

ID	Location	Description	Reference	Application date
13	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
14	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
15	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
16	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
17	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
18	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
19	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
20	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-
A	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	-

ID	Location	Description	Reference	Application date
21	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	**-**
22	1m W	Single Tree	018/366/15-16	-
B	2m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
23	3m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
24	7m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
A	8m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
25	9m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
B	12m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
A	16m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
30	45m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
31	45m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
32	45m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
33	46m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
34	47m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
35	49m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
37	59m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
38	66m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
39	80m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
40	83m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
41	89m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
42	94m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
D	126m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
45	137m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
46	142m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
47	145m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
48	145m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
49	145m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
50	157m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-

ID	Location	Description	Reference	Application date
51	166m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
E	171m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
E	177m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
53	208m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
55	223m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
56	231m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	4

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
124m S	AG00473997	Entry Level Stewardship	01/10/2013	30/09/2018
190m S	AG00473997	Entry Level Stewardship	01/10/2013	30/09/2018
211m NE	AG00610032	Entry Level plus Higher Level Stewardship	01/11/2014	31/10/2024
242m NE	AG00487811	Entry Level plus Higher Level Stewardship	01/10/2013	30/09/2023

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

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.

This data is sourced from Natural England.

13 Habitat designations

Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

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

13.1 Priority Habitat Inventory

Records within 250m	8

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 83 >

ID	Location	Main Habitat	Other habitats
1	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
2	**On site**	**No main habitat but additional habitats present**	**Main habitat: DWOOD (INV > 50%)**
3	18m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	30m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	60m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	66m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	179m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	222m NW	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	1

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

Features are displayed on the Habitat designations map on page 83 >

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
8	213m NE	BRITPITS ref: 117759; HLD_refs: EAHLD19702	Low	British Geological Survey BRITPITS database	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography

This data is sourced from Natural England.

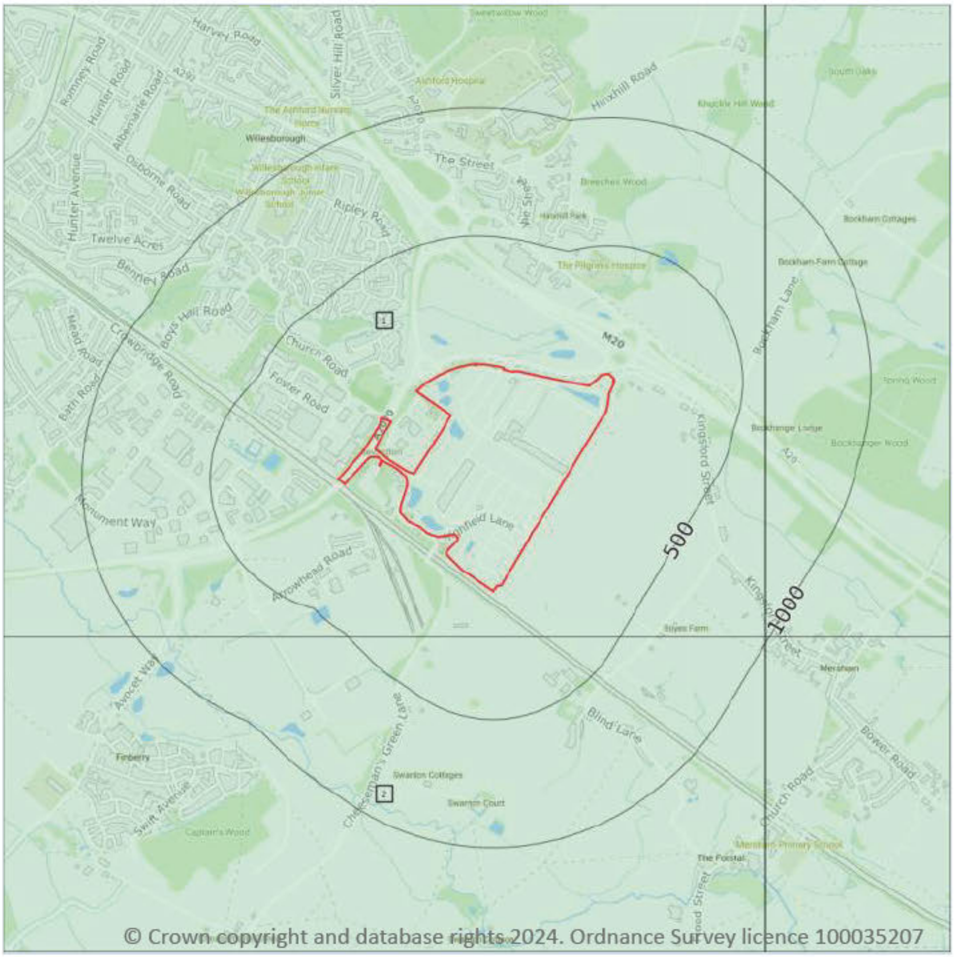
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline
Search buffers in metres (m)

Full coverage
Partial coverage
No coverage

14.1 10k Availability

Records within 500m **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 86 >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**TR04SW**
2	179m S	No coverage	Full	Full	Full	TR03NW

This data is sourced from the British Geological Survey.

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

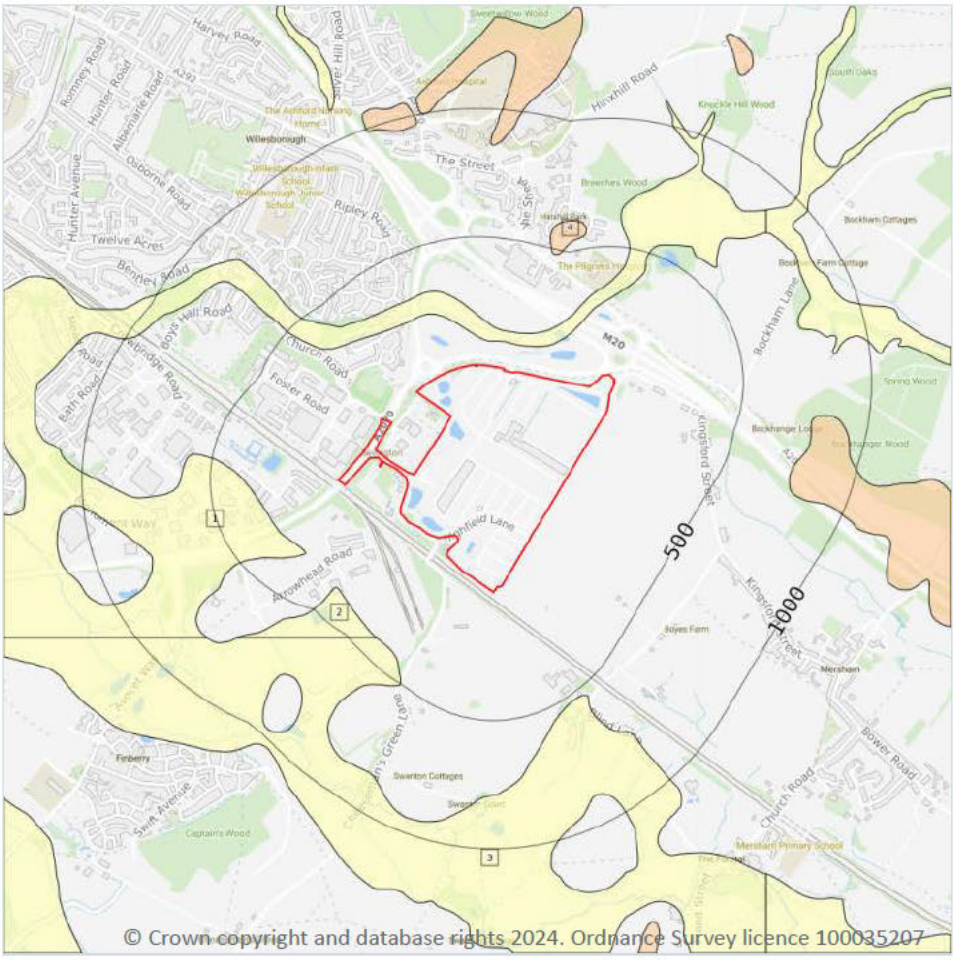
14.2 Artificial and made ground (10k)

Records within 500m	0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



14.3 Superficial geology (10k)

Records within 500m 4

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on page 88 >

ID	Location	LEX Code	Description	Rock description
1	97m N	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
2	376m SW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	415m SW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
4	480m N	RTD3-XSV	River Terrace Deposits, 3 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

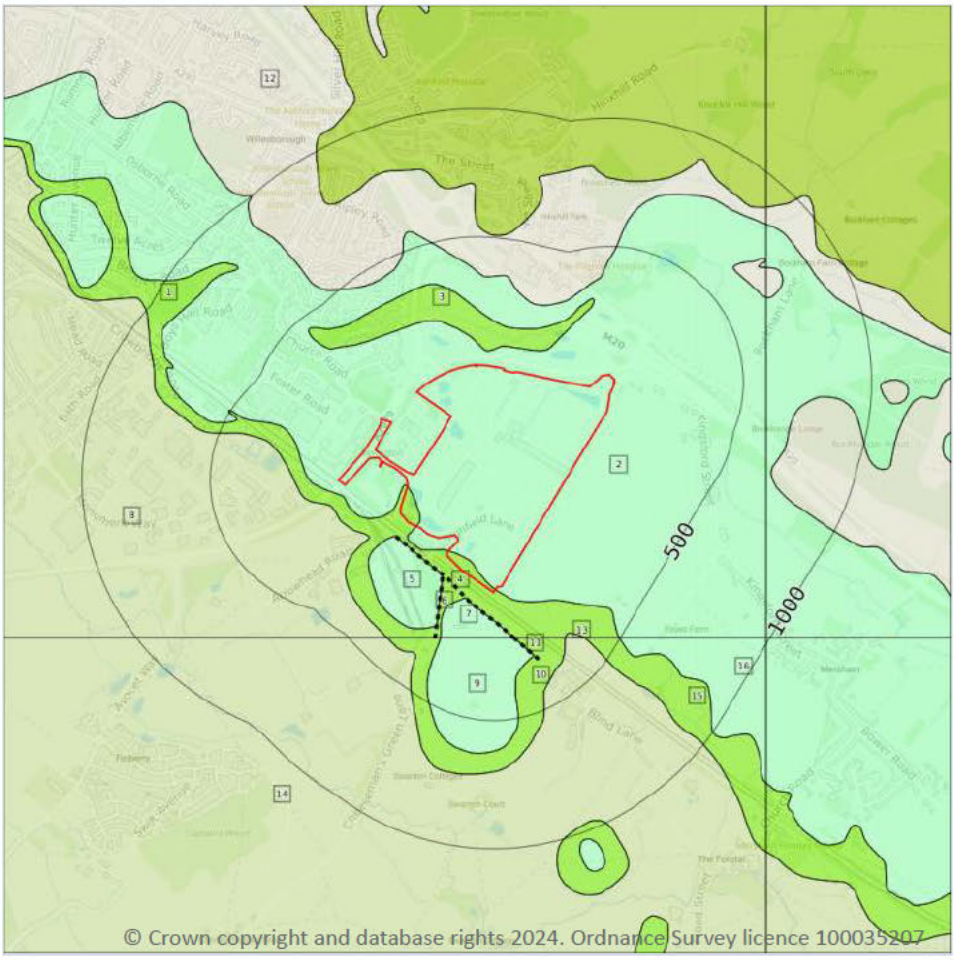
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m **13**

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 90 >

ID	Location	LEX Code	Description	Rock age
1	**On site**	**AC-SAMDST**	**Atherfield Clay Formation - Sandy Mudstone**	**Aptian Age**
2	**On site**	**HY-SDLM**	**Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone**	**Aptian Age**
3	58m N	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age

ID	Location	LEX Code	Description	Rock age
5	64m SW	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
7	79m S	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
8	100m W	WC-MDST	Weald Clay Formation - Mudstone	Barremian Age - Hauterivian Age
9	179m S	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age
10	197m S	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
12	273m N	SAB-SDSM	Sandgate Formation - Sandstone, Siltstone And Mudstone	Aptian Age
13	316m SE	WC-MDST	Weald Clay Formation - Mudstone	Barremian Age - Hauterivian Age
14	320m S	WC-MDST	Weald Clay Formation - Mudstone	Barremian Age - Hauterivian Age
15	383m SE	AC-SAMDST	Atherfield Clay Formation - Sandy Mudstone	Aptian Age
16	498m SE	HY-SDLM	Hythe Formation - Interbedded Sandstone And [subequal/subordinate] Limestone	Aptian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m 3

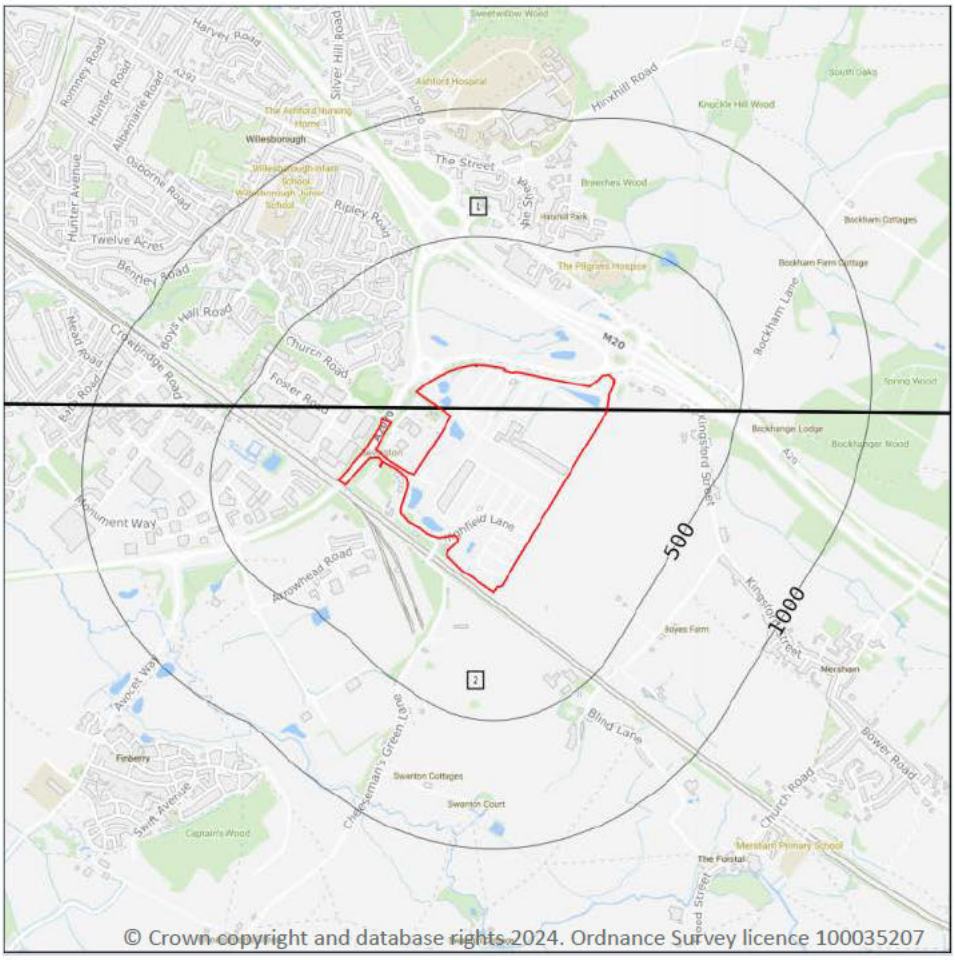
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on page 90 >

ID	Location	Category	Description
4	61m S	FAULT	Normal fault, observed; crossmark on downthrow side
6	64m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
11	197m S	FAULT	Normal fault, observed; crossmark on downthrow side

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



15.1 50k Availability

Records within 500m	2

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on page 92 >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	EW289_canterbury_v4
2	On site	No coverage	Full	Full	Full	EW305_306_folkestone_and_dover_v4

This data is sourced from the British Geological Survey.

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

15.2 Artificial and made ground (50k)

Records within 500m	0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

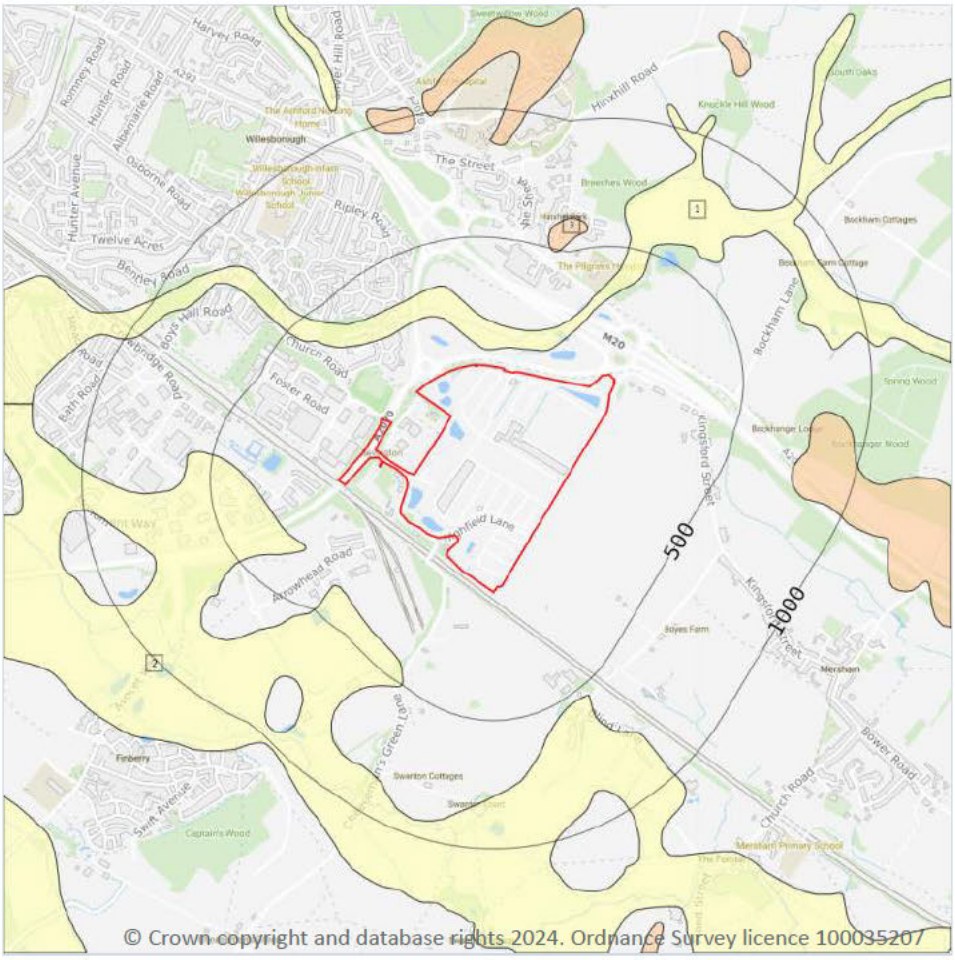
15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



15.4 Superficial geology (50k)

Records within 500m	3

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on page 94 >

ID	Location	LEX Code	Description	Rock description
1	63m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	283m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	489m N	RTD3-XSV	RIVER TERRACE DEPOSITS, 3	SAND AND GRAVEL

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.

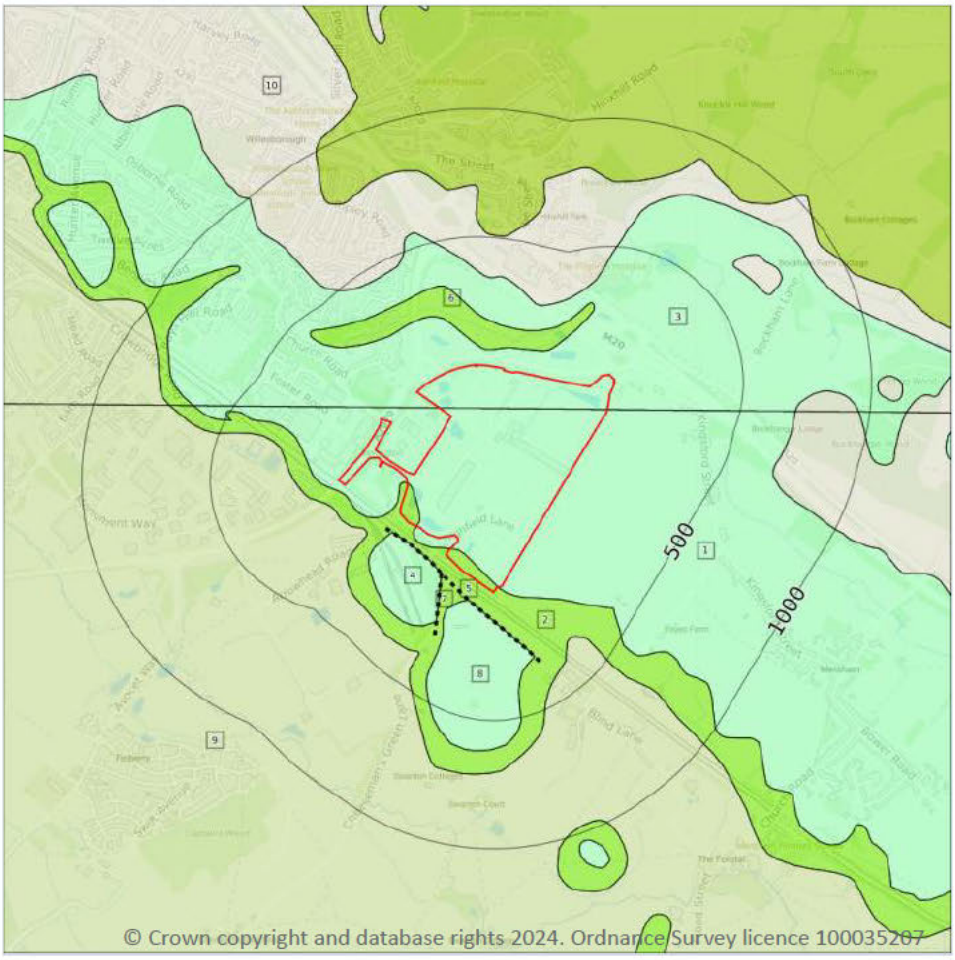
15.7 Landslip permeability (50k)

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



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 **8**

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 96 >

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

ID	Location	LEX Code	Description	Rock age
4	63m SW	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
6	63m N	AC-SAMDST	ATHERFIELD CLAY FORMATION - MUDSTONE, SANDY	APTIAN
8	81m S	HY-SDLM	HYTHE FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] LIMESTONE, INTERBEDDED	APTIAN
9	100m W	WC-MDST	WEALD CLAY FORMATION - MUDSTONE	HAUTERIVIAN
10	272m N	SAB-SDSM	SANDGATE FORMATION - SANDSTONE, SILTSTONE AND MUDSTONE	APTIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **2**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m **2**

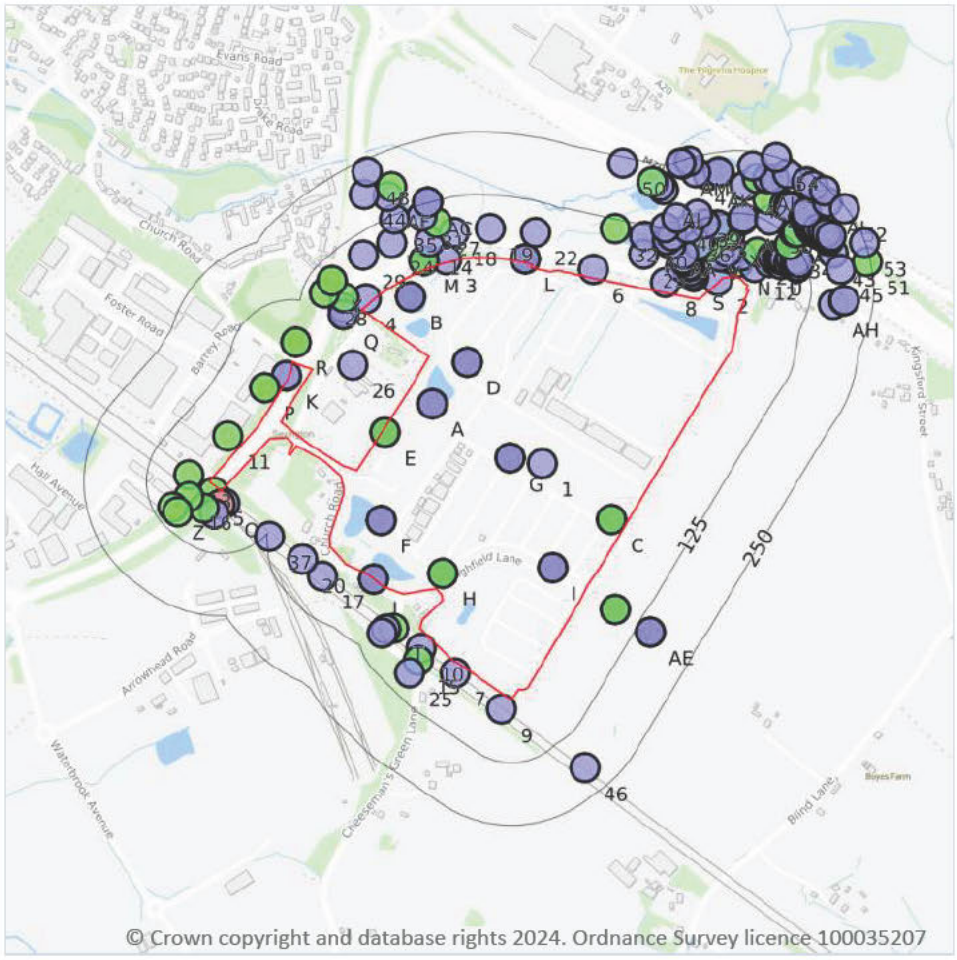
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 96 >**

ID	Location	Category	Description
5	63m SW	FAULT	Fault, observed, displacement unknown
7	65m SW	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	209

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on page 98 >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	603999 140652	CHANNEL TUNNEL RAIL LINK TP1552	1.56	N	15614448 ↗
A	On site	603779 140772	UNION R'WAY GRD INV TP TP1590	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	On site	603779 140772	CHANNEL TUNNEL RAIL LINK TP1590	1.51	N	15614450 ↗
B	On site	603736 140985	UNION R'WAY GRD INV TP TP1591	-	Y	N/A
B	On site	603736 140985	CHANNEL TUNNEL RAIL LINK TP1591	1.71	N	15614451 ↗
C	On site	604138 140541	UNION R'WAY GRD INV RC1554	-	Y	N/A
C	On site	604138 140541	CHANNEL TUNNEL RAIL LINK RC1554	20.01	N	15612855 ↗
D	On site	603849 140855	UNION R'WAY GRD INV SA1584	-	Y	N/A
D	On site	603849 140855	CHANNEL TUNNEL RAIL LINK SA1584	2.04	N	15612962 ↗
E	On site	603685 140714	UNION R'WAY GRD INV SA1588A	-	Y	N/A
E	On site	603685 140714	CHANNEL TUNNEL RAIL LINK SA1588A	10.01	N	15612965 ↗
F	On site	603677 140539	UNION R'WAY GRD INV TP TP1594	-	Y	N/A
F	On site	603677 140539	CHANNEL TUNNEL RAIL LINK TP1594	3.11	N	15614442 ↗
G	On site	603934 140663	UNION R'WAY GRD INV RC1583	-	Y	N/A
G	On site	603934 140663	CHANNEL TUNNEL RAIL LINK SA1583	4.36	N	15612961 ↗
H	On site	603801 140433	UNION R'WAY GRD INV SA1589	-	Y	N/A
H	On site	603801 140433	CHANNEL TUNNEL RAIL LINK SA1589	10.01	N	15612967 ↗
I	On site	604019 140444	UNION R'WAY GRD INV TP TP1595	-	Y	N/A
I	On site	604019 140444	CHANNEL TUNNEL RAIL LINK TP1595	1.91	N	15614443 ↗
J	On site	603661 140422	UNION R'WAY GRD INV TP TP1593	-	Y	N/A
J	On site	603661 140422	CHANNEL TUNNEL RAIL LINK TP1593	3.11	N	15614441 ↗
2	3m NE	604350 141018	M20 Junction 10a Improvement Scheme TP598	2.4	N	20762639 ↗
K	4m W	603488 140827	M20 Junction 10a Improvement Scheme WS547	0.3	N	20762703 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
K	5m W	603488 140828	M20 Junction 10a Improvement Scheme WS547A	0.3	N	20762704 ↗
3	6m N	603807 141060	M20 Junction 10a Improvement Scheme TP593	3.5	N	20762635 ↗
L	7m N	603965 141061	UNION R'WAY GRD INV TP TP1551	-	Y	N/A
L	7m N	603965 141061	CHANNEL TUNNEL RAIL LINK TP1551	2.81	N	15614447 ↗
4	11m NW	603647 140981	M20 Junction 10a Improvement Scheme WS555	6.45	N	20762741 ↗
5	12m W	603342 140595	CHANNEL TUNNEL RAIL LINK SOB404	25.0	N	15613163 ↗
6	17m NE	604101 141040	M20 Junction 10A BH209	10.0	N	20982905 ↗
M	18m NW	603763 141058	UNION R'WAY GRD INV SA1585	-	Y	N/A
M	18m NW	603763 141058	CHANNEL TUNNEL RAIL LINK SA1585	10.01	N	15612964 ↗
7	20m S	603825 140233	CHANNEL TUNNEL RAIL LINK TP9603	4.0	N	15614321 ↗
8	21m NE	604246 141014	M20 Junction 10a Improvement Scheme TP597	2.1	N	20762638 ↗
N	25m NE	604390 141053	M20 Junction 10A BH213	15.0	N	20982908 ↗
9	26m S	603918 140161	CHANNEL TUNNEL RAIL LINK OP3669	4.11	N	15614461 ↗
O	26m W	603365 140572	CHANNEL TUNNEL RAIL LINK SOB004A	4.0	N	15613158 ↗
O	27m W	603355 140571	CHANNEL TUNNEL RAIL LINK SA3667	30.16	N	15612997 ↗
10	27m SW	603757 140283	CHANNEL TUNNEL RAIL LINK TP9602	2.45	N	15614319 ↗
P	30m W	603444 140804	INTERCHANGE TO RAILWAY BH6	16.0	N	741535 ↗
P	30m W	603444 140804	CHANNEL TUNNEL RAIL LINK SOR004	16.0	N	15613173 ↗
11	32m W	603371 140707	CHANNEL TUNNEL RAIL LINK SOR005	16.0	N	15613175 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
Q	35m NW	603604 140953	M20 Junction 10A HP204	1.2	N	20982911
N	35m NE	604374 141061	M20 Junction 10a Improvement Scheme HP603	0.8	N	20763827
12	36m NE	604423 141044	M20 Junction 10A HP207	1.5	N	20982913
Q	38m NW	603601 140963	M20 Junction 10A HP205	1.2	N	20982912
Q	39m NW	603601 140949	M20 Junction 10A HP203	1.2	N	20982910
N	40m NE	604397 141067	M20 Junction 10A HP208	0.95	N	20982914
R	41m NW	603507 140895	CHANNEL TUNNEL RAIL LINK SOR003	16.0	N	15613171
R	41m NW	603507 140895	INTERCHANGE TO RAILWAY BH5	16.0	N	741534
S	42m NE	604301 141026	M20 Junction 10a Improvement Scheme TP599D	0.85	N	20762644
13	42m W	603293 140629	CHANNEL TUNNEL RAIL LINK SOR006	25.95	N	15613177
N	43m NE	604355 141065	M20 Junction 10A TP212	4.3	N	20982954
Q	43m NW	603603 140984	M20 Junction 10a Improvement Scheme BH510	23.16	N	20763780
S	46m NE	604299 141030	M20 Junction 10a Improvement Scheme TP599E	0.7	N	20762645
O	49m W	603343 140551	CHANNEL TUNNEL RAIL LINK SOB004B	4.0	N	15613160
14	49m NW	603774 141095	M20 Junction 10a Improvement Scheme WS556	1.65	N	20762742
O	49m W	603322 140563	CHANNEL TUNNEL RAIL LINK SOB405	25.0	N	15613166
15	49m SW	603750 140258	CHANNEL TUNNEL RAIL LINK SA3668	20.46	N	15612998
16	50m W	603293 140586	CHANNEL TUNNEL RAIL LINK SOR007	30.0	N	15613179
N	50m NE	604368 141075	M20 Junction 10A HP209	1.5	N	20982915

ID	Location	Grid reference	Name	Length	Confidential	Web link
S	51m NE	604291 141036	M20 Junction 10a Improvement Scheme TP599F	0.65	N	20762682 ↗
17	51m SW	603559 140427	CHANNEL TUNNEL RAIL LINK TP9201	4.0	N	15614322 ↗
S	53m NE	604296 141037	M20 Junction 10a Improvement Scheme TP599C	2.3	N	20762643 ↗
T	53m SW	603702 140323	CHANNEL TUNNEL RAIL LINK SA8640	12.0	N	15613107 ↗
18	55m N	603823 141114	M20 Junction 10a Improvement Scheme TP592	3.0	N	20762634 ↗
S	58m NE	604276 141046	M20 Junction 10a Improvement Scheme WS549	1.22	N	20762736 ↗
19	59m N	603895 141122	M20 Junction 10a Improvement Scheme WS548	8.45	N	20762735 ↗
20	60m SW	603520 140460	CHANNEL TUNNEL RAIL LINK TP9601	4.0	N	15614318 ↗
21	62m NE	604428 141075	M20 Junction 10A BH205	15.0	N	20982881 ↗
S	62m NE	604292 141047	M20 Junction 10a Improvement Scheme TP599A	1.8	N	20762641 ↗
S	62m NE	604294 141047	M20 Junction 10a Improvement Scheme TP599B	3.8	N	20762642 ↗
S	62m NE	604290 141048	M20 Junction 10a Improvement Scheme TP599	1.2	N	20762640 ↗
22	64m N	603985 141114	M20 Junction 10a Improvement Scheme TP595	1.9	N	20762636 ↗
U	64m NE	604454 141054	M20 Junction 10a Improvement Scheme WS543	6.45	N	20762698 ↗
23	67m NE	604201 141070	M20 Junction 10a Improvement Scheme TP596	0.8	N	20762637 ↗
V	69m NE	604331 141085	M20 Junction 10A BH212	15.0	N	20982907 ↗
T	69m SW	603686 140321	CHANNEL TUNNEL RAIL LINK TP8669	1.55	N	15614328 ↗
S	69m NE	604284 141056	M20 Junction 10A TP201	4.0	N	20982721 ↗
W	71m SE	604144 140360	UNION R'WAY GRD INV RC1553	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
W	71m SE	604144 140360	CHANNEL TUNNEL RAIL LINK RC1553	20.01	N	15612852 ↗
U	73m NE	604462 141059	M20, Junction 10A CPT SW 014	5.88	N	20764422 ↗
S	74m NE	604282 141061	M20 Junction 10a Improvement Scheme WS549A	5.45	N	20762737 ↗
U	75m NE	604469 141055	M20, Junction 10A CPT SW 013	6.13	N	20764421 ↗
U	76m NE	604459 141066	ASHFORD TP10	4.5	N	18810675 ↗
T	76m SW	603679 140313	CHANNEL TUNNEL RAIL LINK TP8670A	3.0	N	15614270 ↗
24	78m NW	603697 141094	M20 Junction 10a Improvement Scheme TP588	1.34	N	20762633 ↗
25	78m SW	603734 140233	CHANNEL TUNNEL RAIL LINK TP6124	4.1	N	15614374 ↗
U	79m NE	604477 141050	M20, Junction 10A CPT SW 012	4.44	N	20764420 ↗
26	81m NW	603620 140850	COURT LODGE, SEVINGTON	4.39	N	741695 ↗
27	81m N	603789 141133	M20 Junction 10a Improvement Scheme BH512	10.45	N	20763782 ↗
V	81m NE	604312 141089	M20 Junction 10A BH206	20.0	N	20982882 ↗
V	81m NE	604312 141089	M20 Junction 10A TP206	1.65	N	20982920 ↗
X	82m NE	604373 141108	M20 Junction 10A TP211	4.2	N	20982924 ↗
U	82m NE	604468 141066	M20, Junction 10A CPT SW 015	8.01	N	20764423 ↗
28	82m NW	603564 140994	M20 Junction 10a Improvement Scheme BH509	23.38	N	20763779 ↗
U	82m NE	604472 141062	M20, Junction 10A CPT SW 018	5.98	N	20764424 ↗
Y	83m NW	603579 141018	CHANNEL TUNNEL RAIL LINK SOR002	25.85	N	15613170 ↗
Y	83m NW	603579 141018	INTERCHANGE TO RAILWAY BH4A	25.0	N	741533 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
29	83m NW	603641 141068	M20 Junction 10a Improvement Scheme TP587	1.0	N	20762632 ↗
S	83m NE	604282 141071	M20 Junction 10a Improvement Scheme WS550	5.45	N	20762738 ↗
U	86m NE	604478 141060	M20, Junction 10A CPT SW 019	6.93	N	20764425 ↗
X	87m NE	604367 141112	M20, Junction 10A CPT SR 003	23.25	N	20764407 ↗
Z	88m W	603261 140566	CHANNEL TUNNEL RAIL LINK SOR008	12.0	N	15613181 ↗
Z	88m W	603269 140556	CHANNEL TUNNEL RAIL LINK SOR009	12.0	N	15613183 ↗
U	88m NE	604482 141059	M20, Junction 10A CPT SW 011	5.09	N	20764419 ↗
U	93m NE	604491 141054	M20, Junction 10A CPT SW 010	8.04	N	20764418 ↗
AA	97m NE	604256 141090	M20 Junction 10a Improvement Scheme TP614	3.0	N	20762684 ↗
U	99m NE	604500 141049	M20, Junction 10A CPT SW 009	1.33	N	20764415 ↗
U	101m NE	604501 141050	M20, Junction 10A CPT SW 009 A	1.33	N	20764416 ↗
X	102m NE	604356 141125	M20, Junction 10A CPT SR 002	23.25	N	20764406 ↗
U	102m NE	604502 141051	M20, Junction 10A CPT SW 009 B	9.9	N	20764417 ↗
U	102m NE	604496 141063	M20, Junction 10A CPT SW 005	6.26	N	20764408 ↗
30	102m NE	604204 141106	M20 Junction 10a Improvement Scheme TP613	3.0	N	20762683 ↗
31	103m N	603759 141147	M20 Junction 10a Improvement Scheme TP616	1.5	N	20762686 ↗
AA	105m NE	604249 141099	M20 Junction 10a Improvement Scheme TP579	3.0	N	20762626 ↗
U	105m NE	604508 141044	M20, Junction 10A CPT SW 008	1.29	N	20764412 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
32	105m NE	604144 141121	M20 Junction 10a Improvement Scheme BH513	10.75	N	20763783 ↗
U	106m NE	604509 141045	M20, Junction 10A CPT SW 008 A	0.82	N	20764413 ↗
X	107m NE	604350 141129	M20, Junction 10A CPT SR 001	3.66	N	20764405 ↗
U	107m NE	604510 141046	M20, Junction 10A CPT SW 008 B	0.82	N	20764414 ↗
U	108m NE	604505 141058	M20, Junction 10A CPT SW 006	0.62	N	20764409 ↗
U	109m NE	604506 141059	M20, Junction 10A CPT SW 006 A	4.81	N	20764410 ↗
AB	112m NE	604399 141139	M20 Junction 10a Improvement Scheme BH502B	28.5	N	20763772 ↗
U	113m NE	604513 141053	M20, Junction 10A CPT SW 007	6.58	N	20764411 ↗
AB	113m NE	604400 141140	M20 Junction 10a Improvement Scheme BH502	1.65	N	20763770 ↗
33	114m NE	604324 141131	M20 Junction 10a Improvement Scheme BH506	10.0	N	20763776 ↗
AA	114m NE	604259 141107	M20 Junction 10A TP205	1.35	N	20982919 ↗
AB	115m NE	604400 141142	M20 Junction 10a Improvement Scheme BH502A	1.0	N	20763771 ↗
34	117m NE	604494 141089	M20 Junction 10a Improvement Scheme BH504	27.0	N	20763774 ↗
35	117m NW	603704 141141	M20 Junction 10a Improvement Scheme TP586	1.1	N	20762631 ↗
36	120m NE	604290 141121	M20 Junction 10a Improvement Scheme TP578	2.4	N	20762625 ↗
37	121m W	603453 140507	CHANNEL TUNNEL RAIL LINK OP6121	6.0	N	15614452 ↗
AC	126m N	603770 141174	UNION R'WAY GRD INV TP TP1592	-	Y	N/A
AC	126m N	603770 141174	CHANNEL TUNNEL RAIL LINK TP1592	3.01	N	15614440 ↗
AC	126m N	603770 141174	CHANNEL TUNNEL RAIL LINK TP1592A	1.11	N	15614281 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
AA	127m NE	604245 141123	M20 Junction 10A TP208	2.1	N	20982921 ↗
38	129m NE	604454 141139	ASHFORD TP9	3.8	N	18810674 ↗
39	138m NE	604309 141151	M20 Junction 10A TP210	1.4	N	20982923 ↗
AD	140m NE	604502 141114	M20 ASHFORD-FOLKSTONE 406	7.0	N	741551 ↗
AD	146m NE	604509 141115	M20 Junction 10a Improvement Scheme BH503	28.07	N	20763773 ↗
40	151m NE	604268 141143	M20 Junction 10A TP209	2.2	N	20982922 ↗
AE	153m SE	604214 140315	UNION R'WAY GRD INV TP TP1555	-	Y	N/A
AE	153m SE	604214 140315	CHANNEL TUNNEL RAIL LINK TP1555	1.81	N	15614449 ↗
AF	165m NW	603690 141187	M20 Junction 10a Improvement Scheme TP615	2.0	N	20762685 ↗
41	165m NE	604450 141181	M20 Junction 10A BH204	15.0	N	20982880 ↗
AD	169m NE	604537 141119	M20, Junction 10A CPT 013	3.57	N	20764317 ↗
AD	169m NE	604530 141127	M20, Junction 10A CPT 014	4.05	N	20764318 ↗
AG	171m NE	604483 141170	M20 Junction 10A BH214	7.8	N	20982909 ↗
AH	171m NE	604580 140970	KINGSFORD STREET, MERSHAM	5.83	N	741696 ↗
AD	172m NE	604545 141114	M20, Junction 10A CPT 012	7.63	N	20764316 ↗
AD	172m NE	604536 141125	M20, Junction 10A CPT 017	1.28	N	20764401 ↗
AG	173m NE	604491 141167	M20 Junction 10A HP206	1.13	N	20982718 ↗
AG	173m NE	604495 141164	ASHFORD TP8	4.5	N	18810673 ↗
AD	176m NE	604554 141109	M20, Junction 10A CPT 011	3.99	N	20764315 ↗

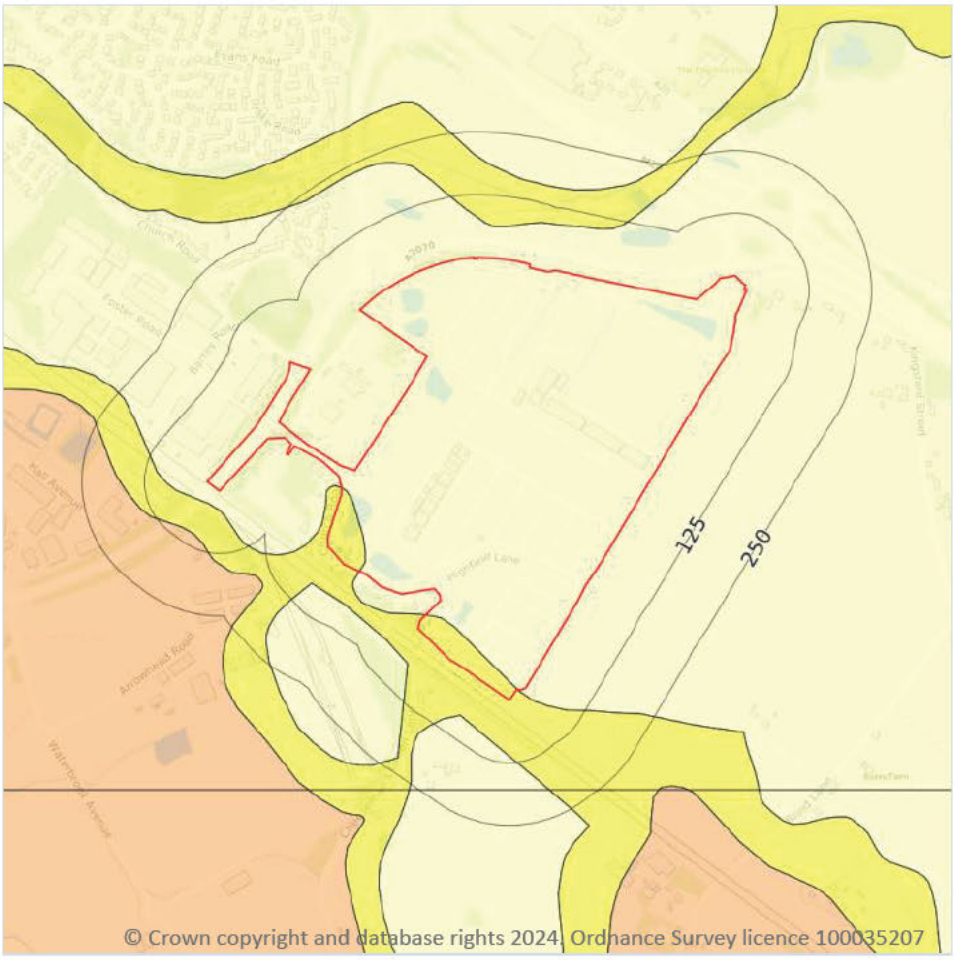
ID	Location	Grid reference	Name	Length	Confidential	Web link
AD	176m NE	604521 141145	M20, Junction 10A CPT 001	4.33	N	20764301
AD	176m NE	604526 141141	M20, Junction 10A CPT 002	4.46	N	20764305
AD	177m NE	604541 141127	M20, Junction 10A CPT 004	4.24	N	20764307
AD	177m NE	604522 141146	M20, Junction 10A CPT 001 A	4.52	N	20764302
AF	178m NW	603698 141205	M20 Junction 10a Improvement Scheme BH511	10.75	N	20763781
AD	178m NE	604552 141116	M20, Junction 10A CPT 018	7.8	N	20764402
AD	179m NE	604535 141136	M20, Junction 10A CPT 003	4.31	N	20764306
AD	179m NE	604523 141147	M20, Junction 10A CPT 001 B	3.44	N	20764303
42	180m NE	604404 141207	M20 Junction 10a Improvement Scheme WS542	5.45	N	20762697
AD	180m NE	604524 141148	M20, Junction 10A CPT 001 C	4.54	N	20764304
AD	181m NE	604550 141122	M20, Junction 10A CPT 005	4.45	N	20764308
AD	181m NE	604563 141104	M20, Junction 10A CPT 010	4.04	N	20764314
43	182m NE	604580 141073	M20 ASHFORD-FOLKSTONE 417	5.0	N	741550
AD	183m NE	604562 141109	M20, Junction 10A CPT 019	3.94	N	20764403
AD	185m NE	604571 141098	M20, Junction 10A CPT 009	3.83	N	20764313
AD	185m NE	604559 141117	M20, Junction 10A CPT 006	4.23	N	20764309
AD	186m NE	604570 141103	M20, Junction 10A CPT 020	4.0	N	20764404
AD	187m NE	604527 141154	M20 Junction 10a Improvement Scheme WS539	5.15	N	20762694
44	188m NW	603642 141190	M20 Junction 10a Improvement Scheme TP585	3.7	N	20762630

ID	Location	Grid reference	Name	Length	Confidential	Web link
AD	188m NE	604567 141112	M20, Junction 10A CPT 007	4.22	N	20764310
45	189m NE	604595 141041	ASHFORD TP11	5.5	N	18810676
AH	192m NE	604602 140978	M20 Junction 10a Improvement Scheme WS544A	0.7	N	20762700
AH	193m NE	604603 140978	M20 Junction 10a Improvement Scheme WS544	1.0	N	20762699
AD	193m NE	604576 141107	M20, Junction 10A CPT 008	3.84	N	20764311
46	196m S	604084 140044	CHANNEL TUNNEL RAIL LINK TP8600	4.0	N	15614331
AI	200m NE	604429 141223	WILLESBOROUGH GARDEN CENTRE	22.0	N	20303067
AJ	202m NE	604241 141200	M20 Junction 10a Improvement Scheme WS534	5.45	N	20762689
AI	203m NE	604450 141221	M20 Junction 10a Improvement Scheme WS537A	1.45	N	20762692
AI	204m NE	604450 141222	M20 Junction 10a Improvement Scheme WS537	1.12	N	20762691
AI	207m NE	604462 141221	M20 Junction 10a Improvement Scheme WS538	6.23	N	20762693
AJ	207m NE	604234 141207	M20 Junction 10a Improvement Scheme MP626	8.0	N	20763844
AK	208m NE	604330 141228	M20 Junction 10a Improvement Scheme TP576	1.75	N	20762623
AK	208m NE	604353 141233	M20 Junction 10a Improvement Scheme BH505	9.85	N	20763775
AK	212m NE	604351 141236	M20 Junction 10a Improvement Scheme WS541A	1.45	N	20786096
AK	212m NE	604351 141236	M20 Junction 10a Improvement Scheme WS541	1.05	N	20762696
AJ	212m NE	604221 141214	M20 Junction 10a Improvement Scheme BH520	35.0	N	20763824
AJ	212m NE	604219 141215	M20 Junction 10a Improvement Scheme WS553	8.45	N	20762739

ID	Location	Grid reference	Name	Length	Confidential	Web link
AJ	212m NE	604219 141215	M20 Junction 10A BH203	14.0	N	20982722 ↗
47	218m NE	604305 141234	M20 Junction 10a Improvement Scheme HWS558	3.2	N	20763834 ↗
AI	221m NE	604420 141246	M20 Junction 10a Improvement Scheme TP577	1.4	N	20762624 ↗
48	226m NW	603648 141235	M20 Junction 10a Improvement Scheme TP584	2.3	N	20762629 ↗
49	228m NE	604490 141232	M20 Junction 10a Improvement Scheme TP574	2.1	N	20763845 ↗
AL	230m NE	604569 141175	M20 Junction 10A TP204	4.3	N	20982918 ↗
AL	234m NE	604528 141215	M20 Junction 10a Improvement Scheme TP575	3.6	N	20763846 ↗
AL	236m NE	604541 141208	M20 Junction 10A TP203	4.3	N	20982917 ↗
50	238m N	604160 141253	M20 Junction 10a Improvement Scheme HP604	0.8	N	20763828 ↗
AL	243m NE	604563 141197	M20 Junction 10a Improvement Scheme WS533	7.45	N	20762688 ↗
AM	243m NE	604277 141251	M20 Junction 10a Improvement Scheme HWS625	2.2	N	20763843 ↗
AM	244m NE	604293 141257	M20 Junction 10a Improvement Scheme WS540	8.45	N	20762695 ↗
51	244m NE	604649 141056	M20 Junction 10A BH207	17.45	N	20982883 ↗
AM	245m NE	604275 141253	M20 Junction 10a Improvement Scheme HWS624	2.2	N	20763842 ↗
52	247m NE	604603 141162	M20 Junction 10a Improvement Scheme TP580	1.9	N	20762627 ↗
53	247m NE	604642 141093	M20 Junction 10a Improvement Scheme TP581	1.1	N	20762628 ↗
54	249m NE	604467 141264	M20 Junction 10A TP202	4.3	N	20982916 ↗

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	2

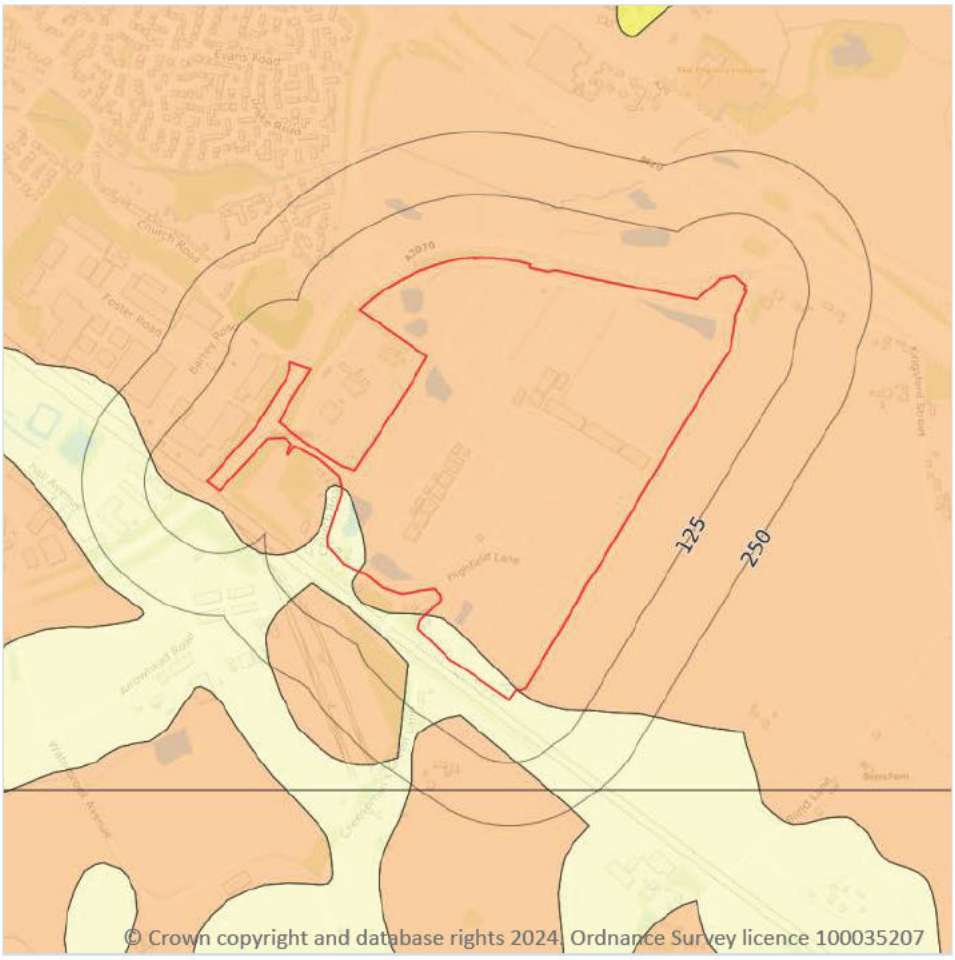
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on page 110 >

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Very low**	**Ground conditions predominantly low 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	2

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.

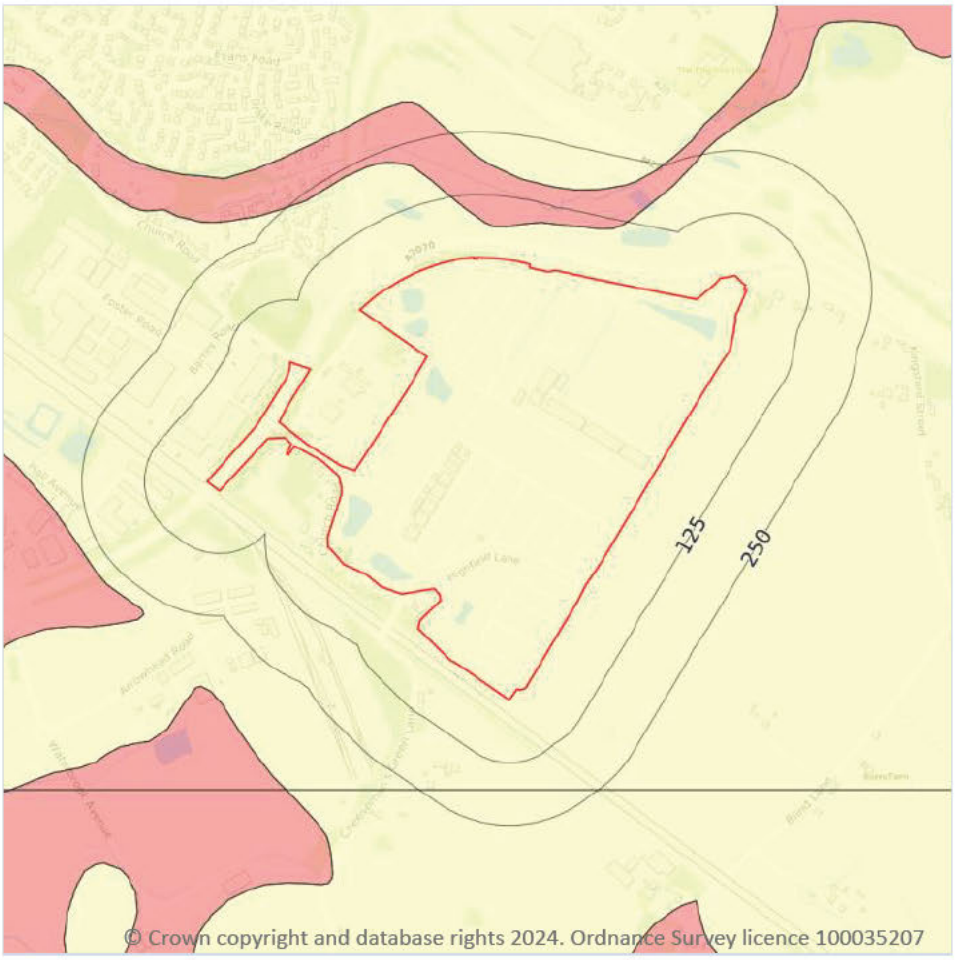
Features are displayed on the Natural ground subsidence - Running sands map on page 111 >

Location	Hazard rating	Details
On site	**Negligible**	**Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.**

Location	Hazard rating	Details
On site	**Low**	**Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

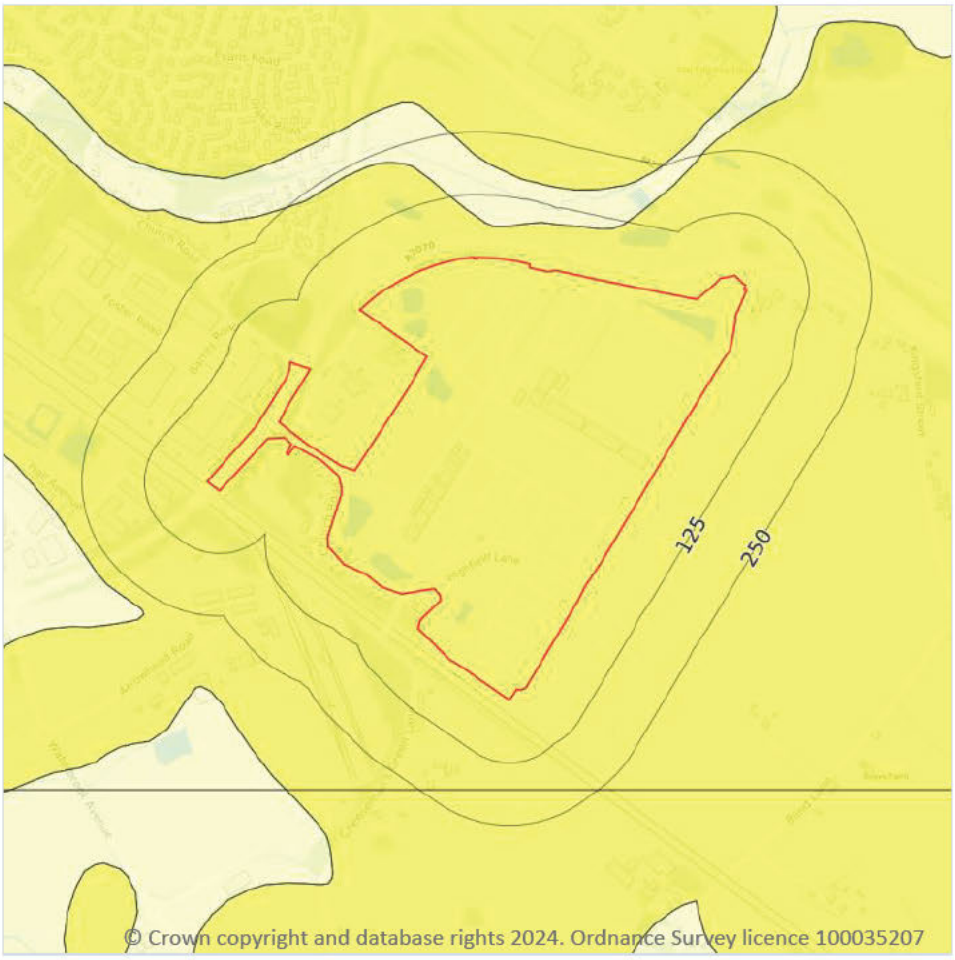
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on page 113 >

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 114 >

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.

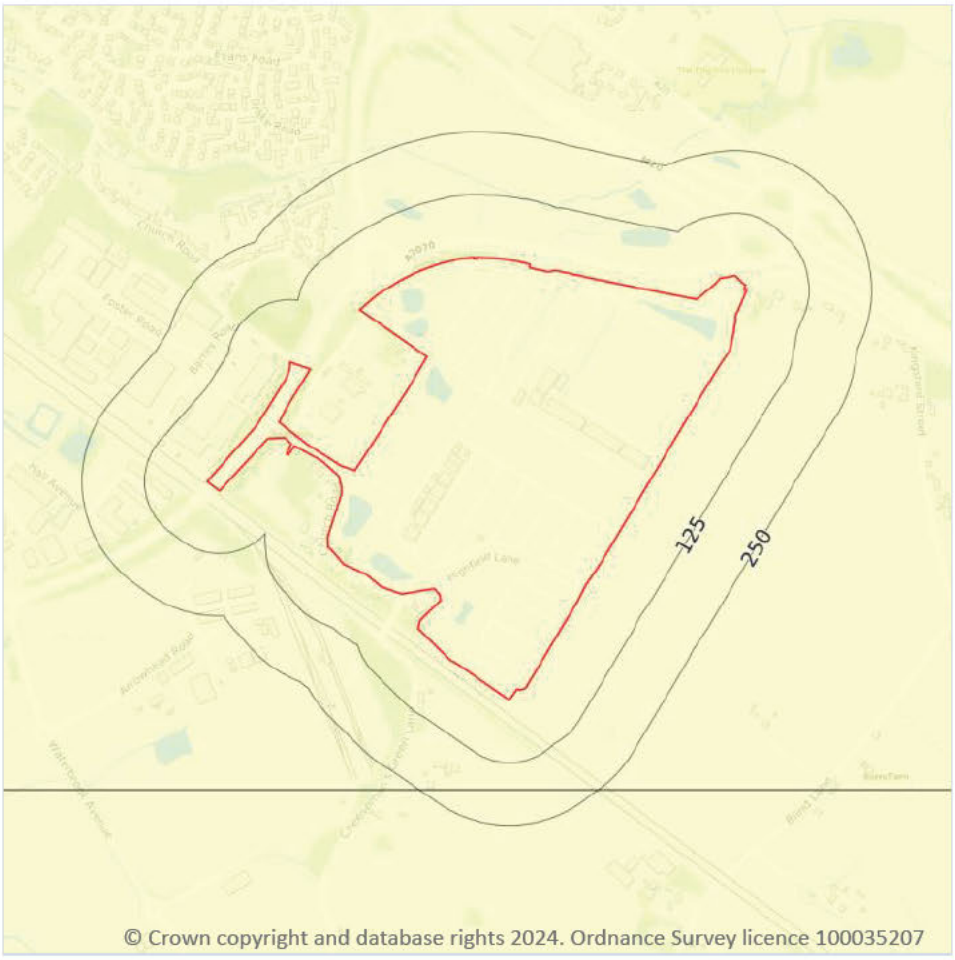
Features are displayed on the Natural ground subsidence - Landslides map on page 115 >

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
39m W	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

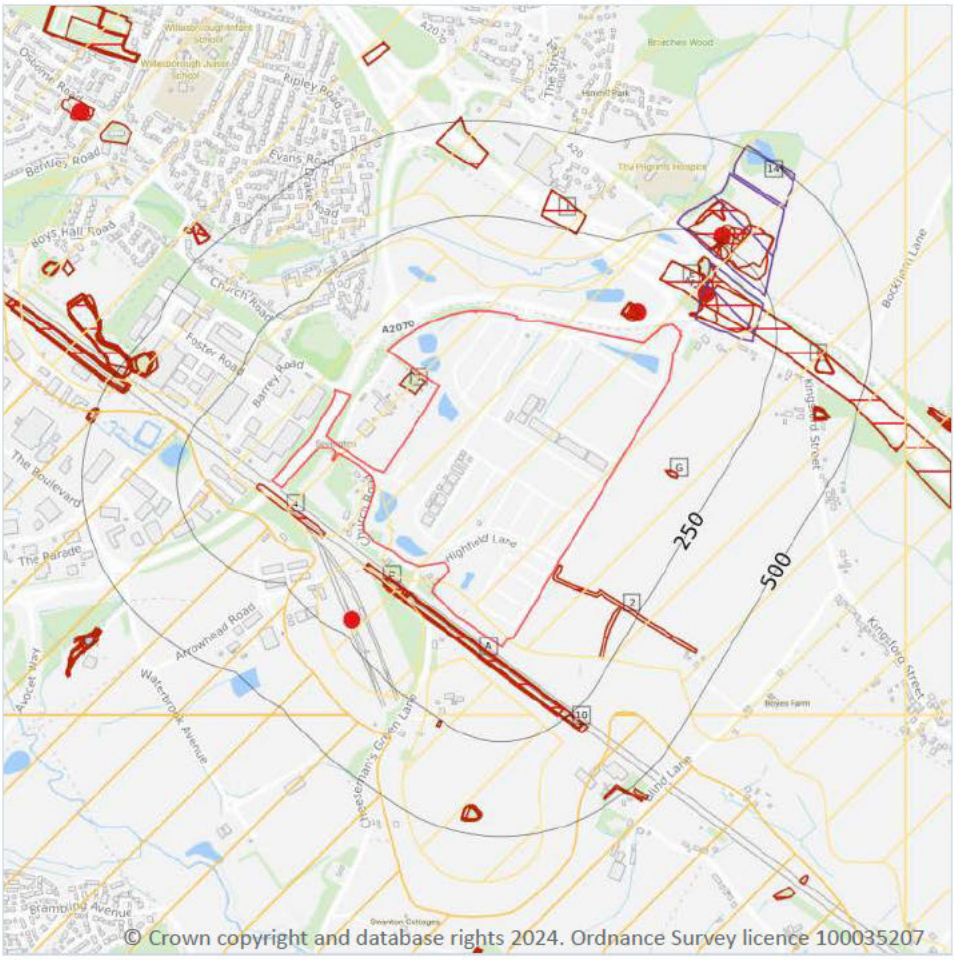
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on page 117 >

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	4

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on page 119 >

ID	Location	Details	Description
C	71m NE	Name: Sevington Address: Sevington, ASHFORD, Kent Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
B	119m NE	Name: Sevington Address: Sevington, ASHFORD, Kent Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
9	208m SW	Name: Sevington Rail Depot Address: Sevington, ASHFORD, Kent Commodity: Crushed Rock Status: Inactive	Type: A site where mineral commodities are unloaded from rail trucks and stored Status description: Site which, at date of entry, is not extracting minerals, but which still has a valid planning permission to do so, and can restart at any time. May be considered Mothballed by operator.May be considered to have Active or Dormant planning permission
H	267m NE	Name: Sevington Address: Sevington, ASHFORD, Kent Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m **32**

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 119 >

ID	Location	Land Use	Year of mapping	Mapping scale
2	5m SE	Unspecified Ground Workings	1906	1:10560
3	10m NW	Grave Yard	1872	1:10560
4	23m W	Cuttings	1872	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
A	25m S	Cuttings	1931	1:10560
A	25m S	Cuttings	1872	1:10560
A	28m S	Cuttings	1938	1:10560
A	28m S	Cuttings	1906	1:10560
A	30m S	Cuttings	1955	1:10560
B	49m NE	Unspecified Quarry	1955	1:10560
C	50m NE	Unspecified Quarry	1955	1:10560
B	50m NE	Unspecified Quarry	1939	1:10560
D	55m SW	Cuttings	1872	1:10560
C	56m NE	Unspecified Pit	1938	1:10560
C	57m NE	Unspecified Quarry	1906	1:10560
C	58m NE	Unspecified Quarry	1931	1:10560
D	60m SW	Cuttings	1938	1:10560
D	60m SW	Cuttings	1906	1:10560
D	64m SW	Cuttings	1955	1:10560
E	88m NE	Cuttings	1993	1:10000
E	88m NE	Cuttings	1984	1:10000
F	93m NE	Cuttings	1993	1:10000
F	93m NE	Cuttings	1984	1:10000
G	115m E	Pond	1993	1:10000
G	115m E	Pond	1984	1:10000
H	212m NE	Unspecified Quarry	1906	1:10560
H	213m NE	Unspecified Old Quarry	1896	1:10560
H	213m NE	Unspecified Old Quarry	1955	1:10560
H	217m NE	Unspecified Old Quarry	1939	1:10560
H	224m NE	Refuse Heap	1975	1:10000
I	245m N	Cuttings	1993	1:10000
I	245m N	Cuttings	1984	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
10	247m S	Cuttings	1955	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	3

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on page 119 >

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
B	51m NE	Willesborough	Limestone	Surface mineral working	Valid	1948, 1953
H	212m NE	Willesborough	Limestone	Surface mineral working	Valid	1948, 1953
14	420m NE	Willesborough	Limestone	Surface mineral working	Valid	1948, 1953

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	10

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on page 119 >

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Sand**	**A**	**Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
5	63m SW	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
6	81m S	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
7	100m W	Not available	Iron Ore	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
8	179m S	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
12	335m SE	Not available	Iron Ore	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
13	335m SE	Not available	Iron Ore	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
16	505m SE	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
18	589m E	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
22	988m SE	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	4

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.

Location	Mineral type
33m NE	Stone
55m NE	Stone
215m NE	Stone
431m W	Stone

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

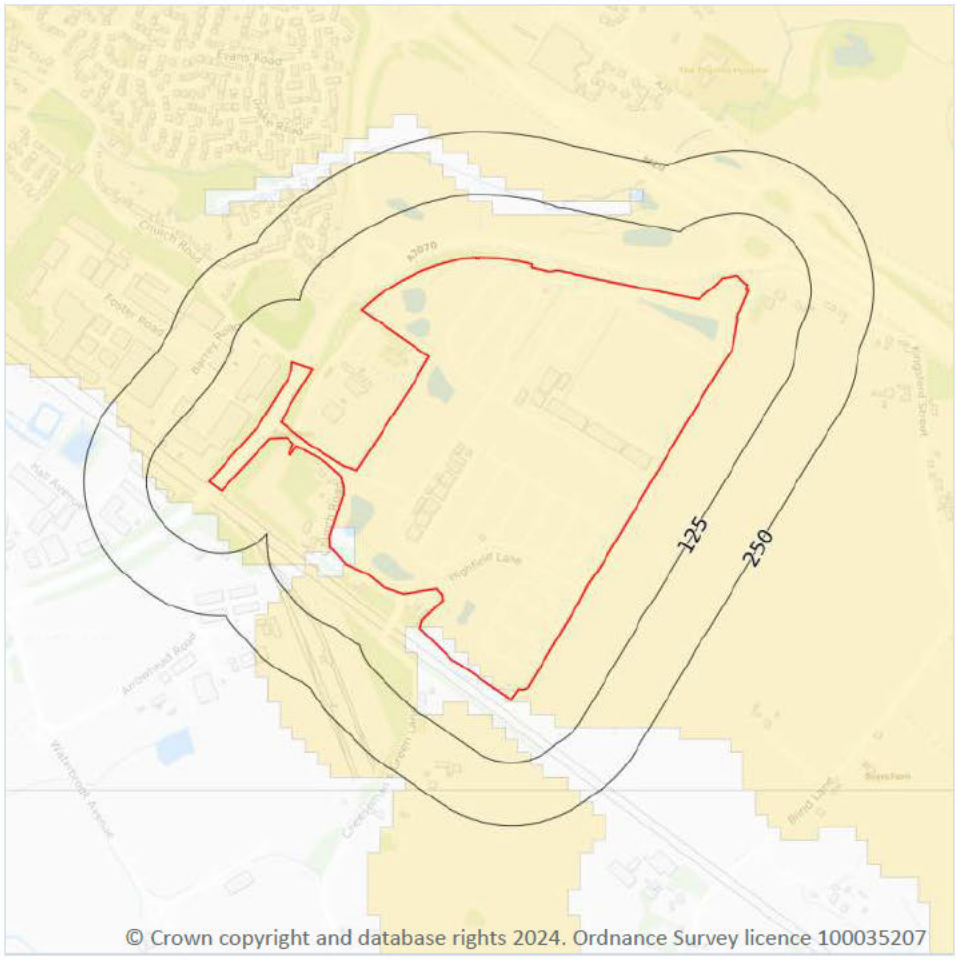
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.

20 Radon



Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	2

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

Features are displayed on the Radon map on page 129 >

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

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 1% and 3%**	**None**

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	**17**

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
33m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
34m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
43m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
45m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

Site Outline

Search buffers in metres (m)

- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	15

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

Features are displayed on the Railway infrastructure and projects map on page 133 >

Location	Land Use	Year of mapping	Mapping scale
20m W	Railway	1933	-
22m W	Railway	1871	-
22m W	Railway	1898	-
22m W	Railway	1907	-
34m W	Railway Sidings	1993	10000
36m W	Railway Sidings	1931	10560
38m W	Railway Sidings	1907	2500
38m W	Railway Sidings	1933	2500
104m SW	Railway Sidings	1989	1250
107m SW	Railway Sidings	1990	1250
139m SW	Railway Sidings	1990	1250
149m W	Railway	1871	-
149m W	Railway	1898	-
153m W	Railway	1933	-
153m W	Railway	1907	-

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	46

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

Features are displayed on the Railway infrastructure and projects map on page 133 >

Location	Name	Type
5m W	High Speed 1	rail
6m W	Not given	Multi Track
7m W	Not given	Multi Track
9m W	High Speed 1	rail
17m S	Not given	Multi Track
31m W	South Eastern Main Line	rail
33m W	Not given	Multi Track
34m W	South Eastern Main Line	rail
35m W	Not given	Multi Track
35m S	Not given	Multi Track
38m W		rail

Location	Name	Type
48m W		rail
62m SW	Not given	Multi Track
63m SW	Not given	Multi Track
71m SW	Not given	Multi Track
76m W	Not given	Multi Track
76m W	Not given	Single Track
107m SW	Not given	Single Track
109m SW		rail
111m W	Not given	Multi Track
115m SW	Not given	Single Track
116m SW	Not given	Single Track
116m SW	Not given	Single Track
117m SW	Not given	Single Track
119m SW		rail
120m SW	Not given	Single Track
121m W	Not given	Single Track
121m W	Not given	Single Track
124m SW	Not given	Single Track
126m SW		rail
127m SW	Not given	Single Track
137m SW	Not given	Single Track
166m SW	Not given	Single Track
166m SW	Not given	Single Track
172m SW		rail
185m SW	Not given	Single Track
185m SW	Not given	Single Track
193m SW		rail
195m SW		rail

Location	Name	Type
222m SW	Not given	Single Track
226m SW	Not given	Single Track
226m SW	Not given	Single Track
236m SW	Not given	Single Track
237m SW	Not given	Single Track
245m SW	Not given	Single Track
250m SW		rail

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 ↗.

Terms and conditions

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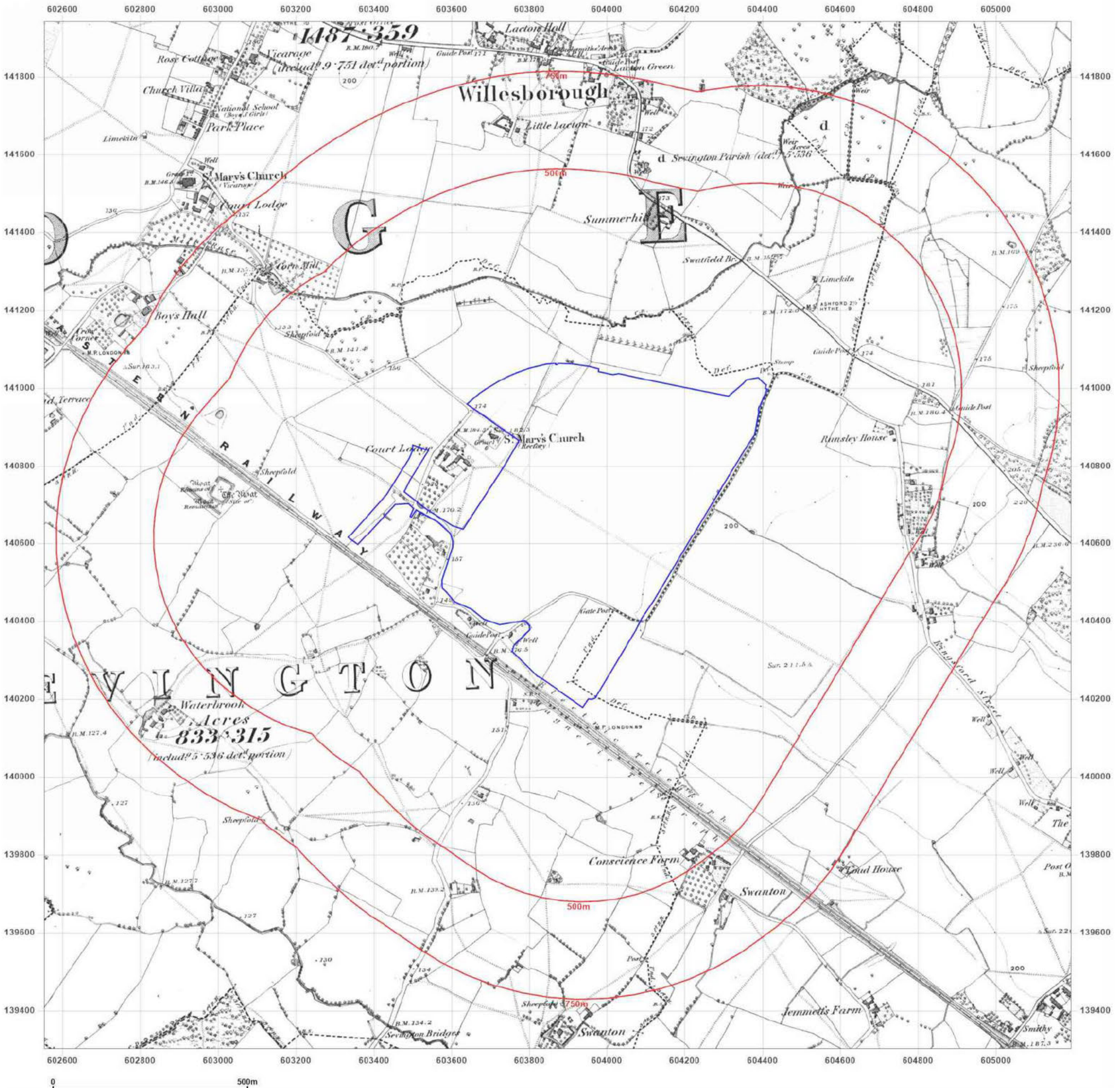

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: County Series

Map date: **1872**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1872
Revised 1872
Edition N/A
Copyright N/A
Levelled N/A

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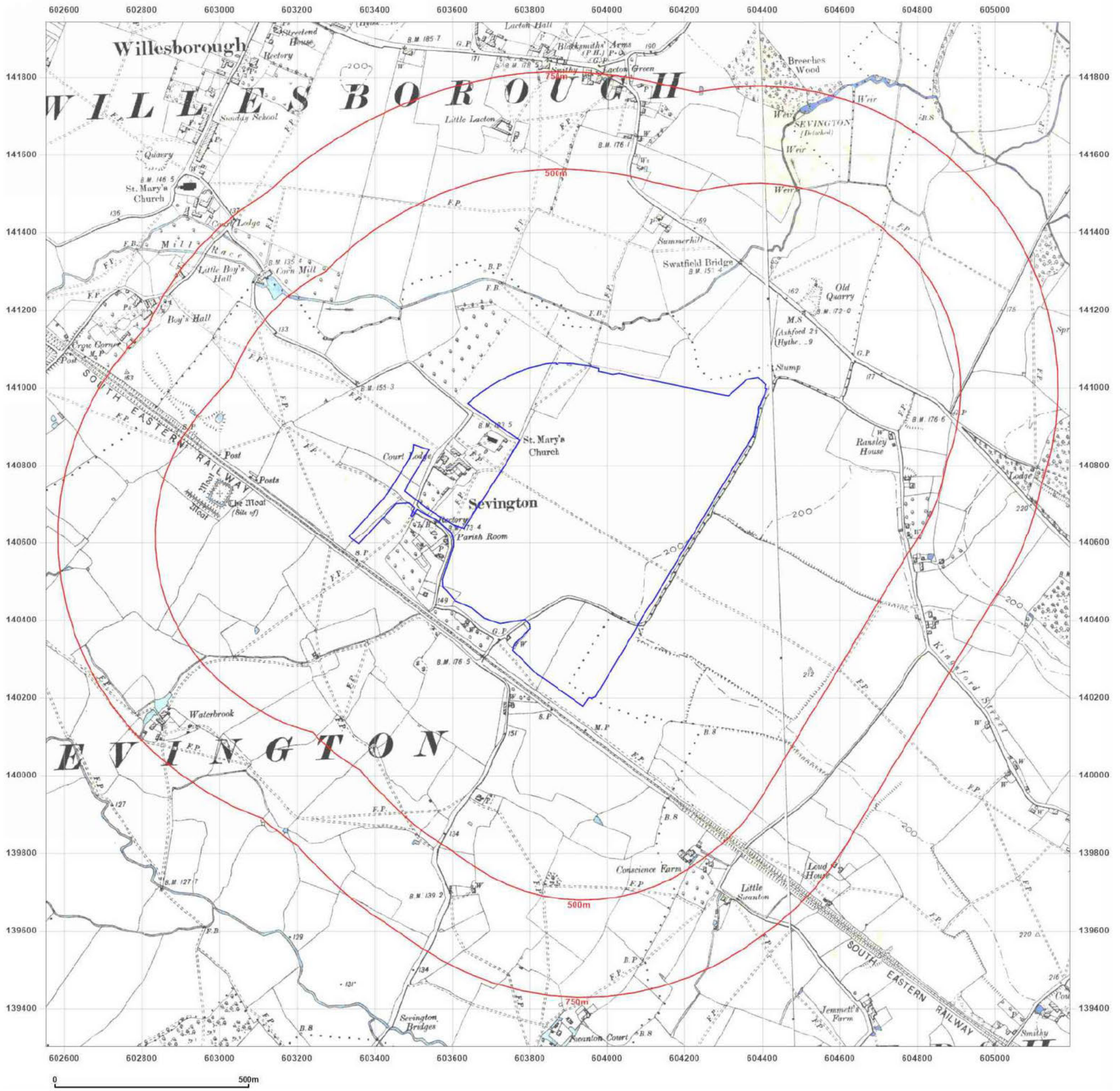
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 11 December 2024

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



Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1871
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Map legend available at:
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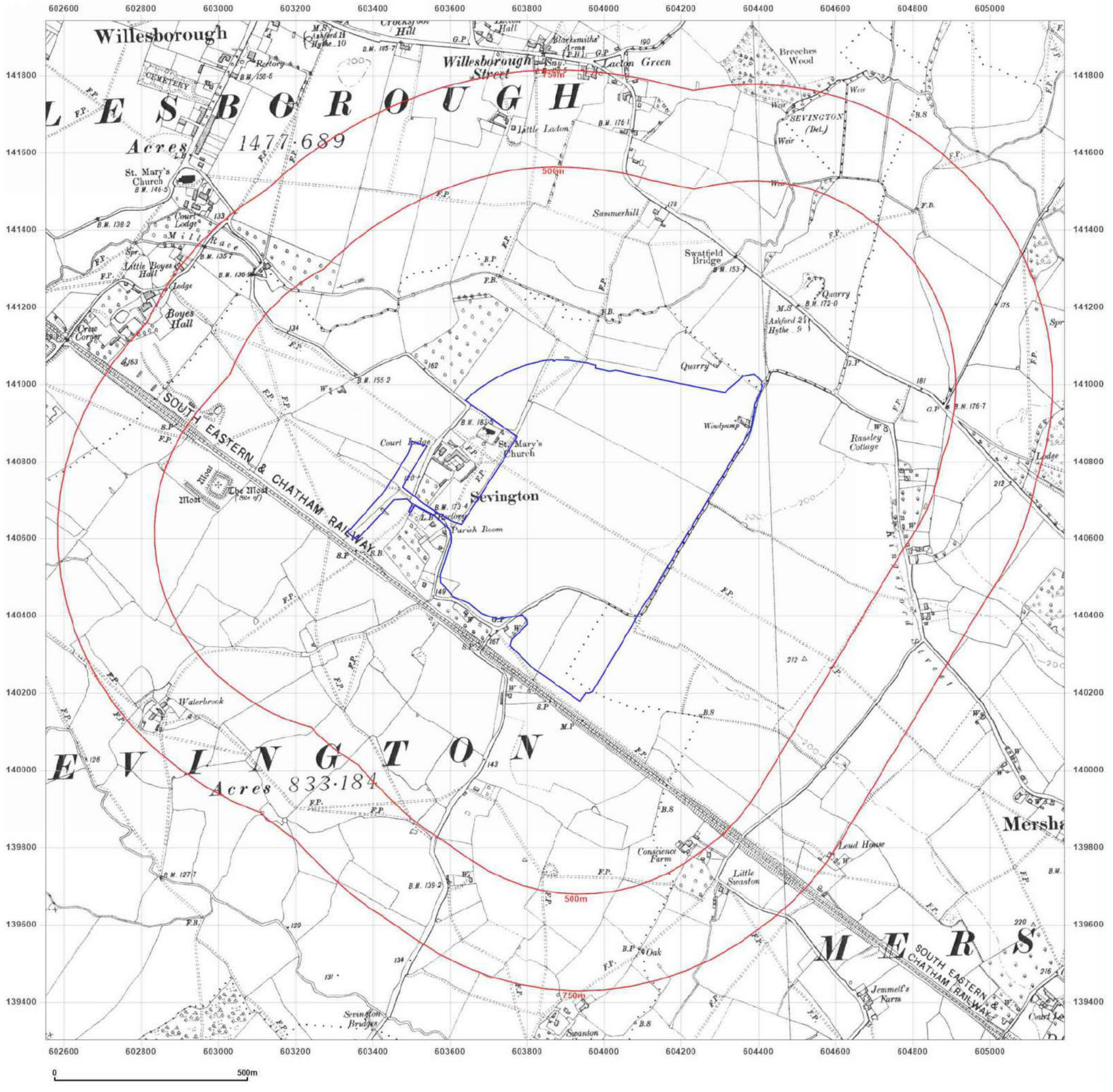

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: County Series

Map date: **1906**

Scale: 1:10,560

Printed at: 1:10,560

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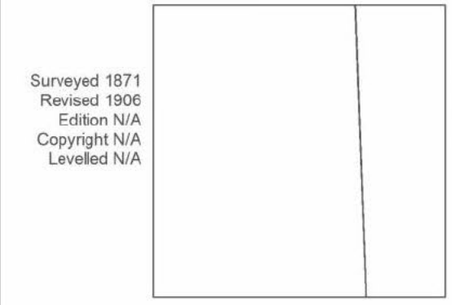

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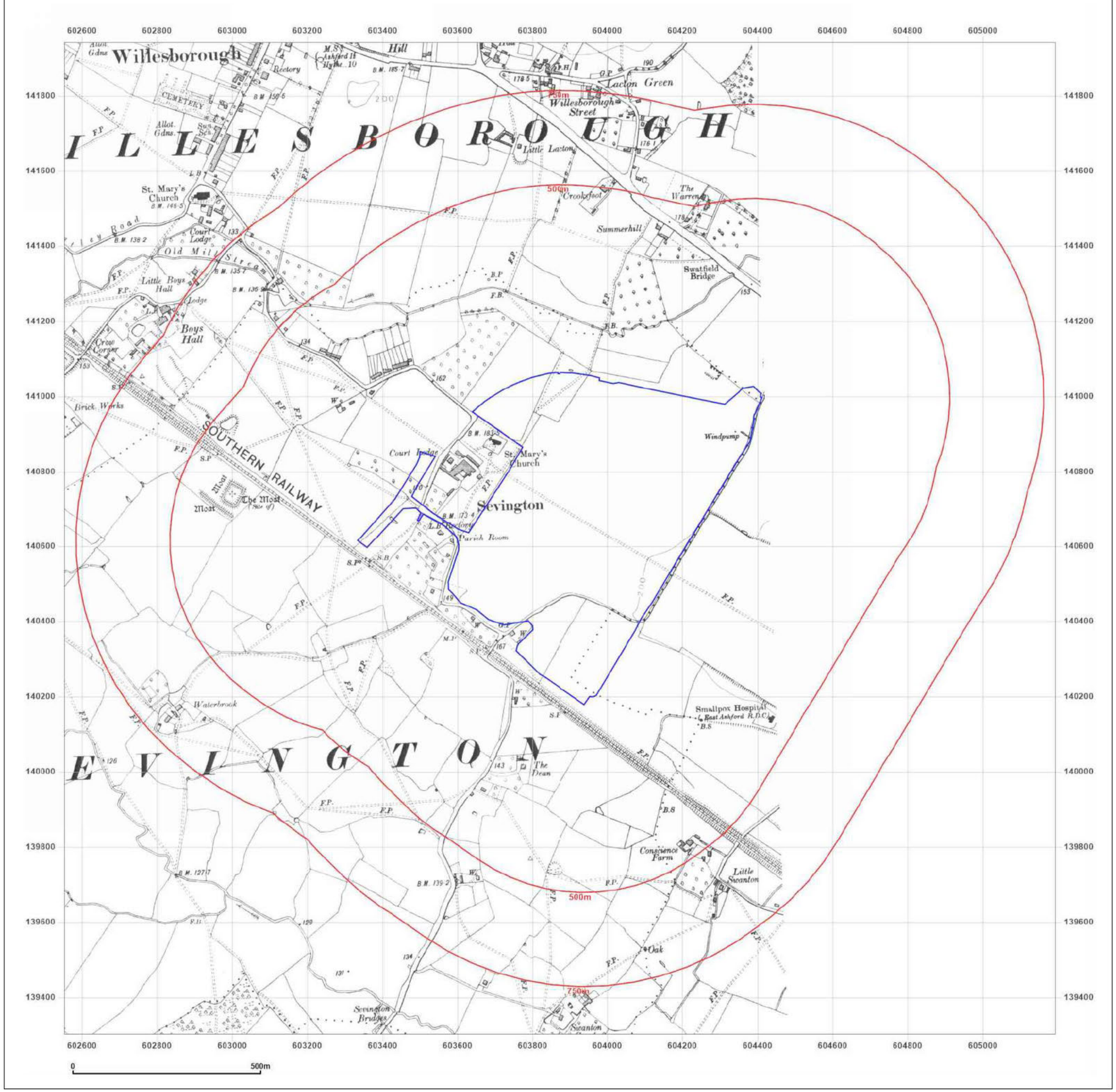

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: County Series

Map date: **1931**

Scale: 1:10,560

Printed at: 1:10,560

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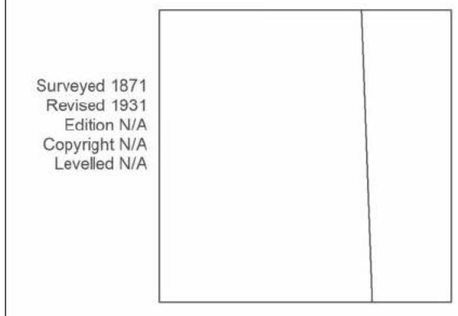

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Revised 1931
Edition N/A
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Map legend available at:
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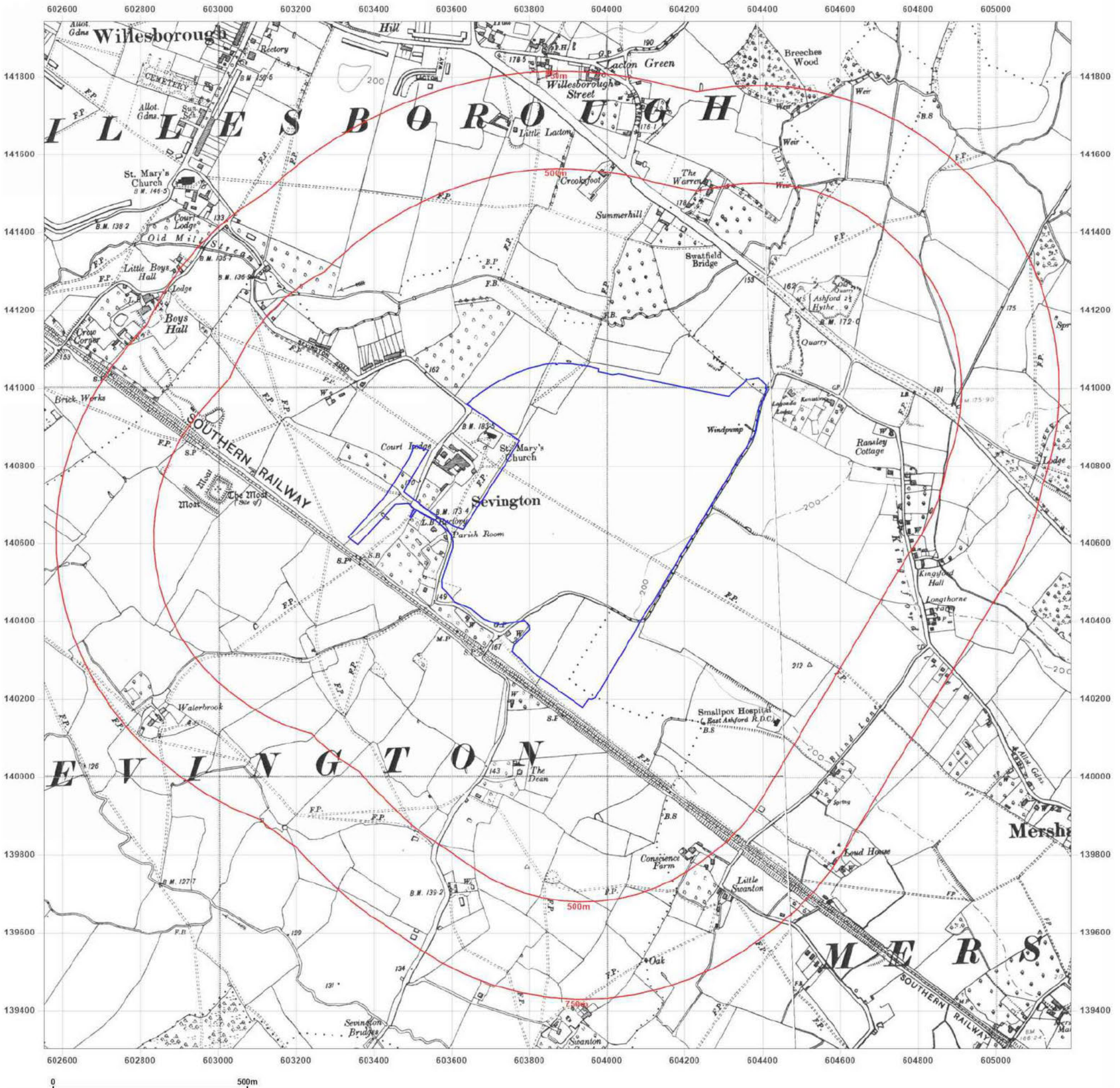

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: County Series

Map date: **1938-1939**

Scale: 1:10,560

Printed at: 1:10,560

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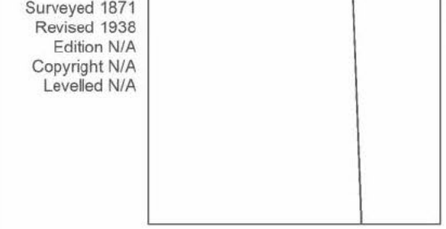

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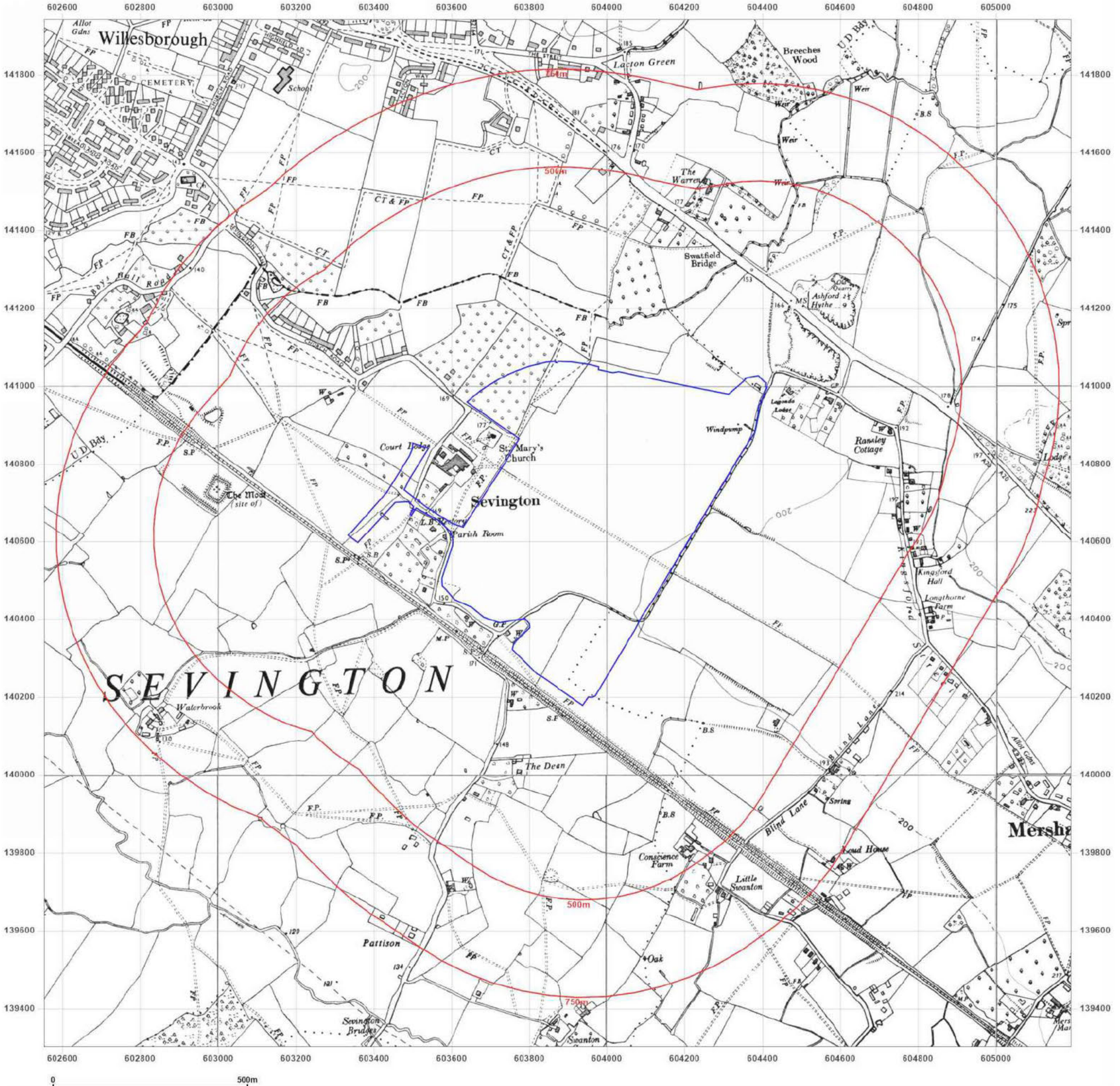

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: Provisional
Map date: **1954-1955**
Scale: 1:10,560
Printed at: 1:10,560

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Surveyed 1955
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1955
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1955
Revised 1955
Edition N/A
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Levelled N/A

Surveyed 1954
Revised 1954
Edition N/A
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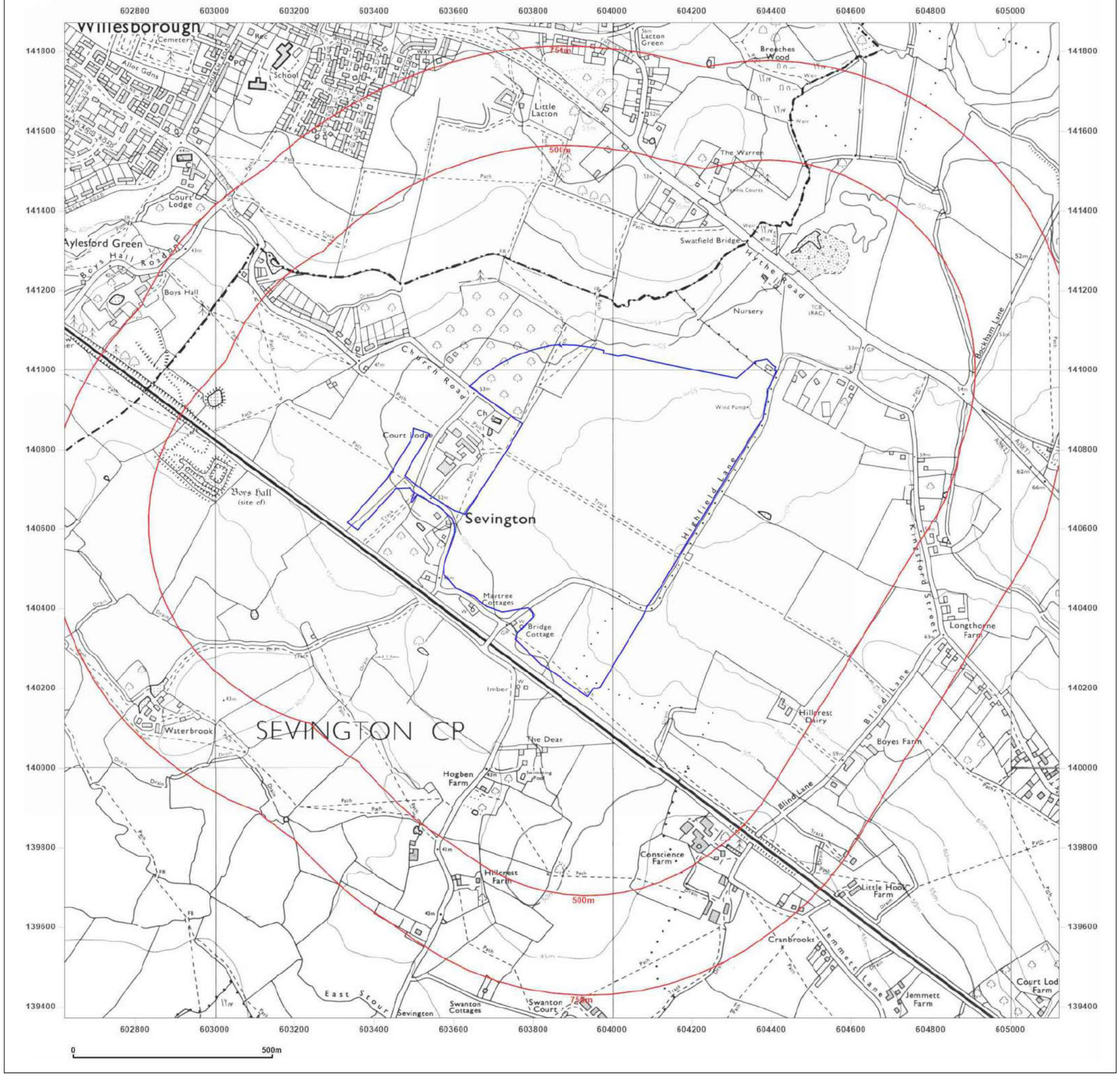

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: National Grid
Map date: **1975-1978**
Scale: 1:10,000
Printed at: 1:10,000

N
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Surveyed 1972
Revised 1974
Edition N/A
Copyright 1975
Levelled N/A

Surveyed 1974
Revised 1977
Edition N/A
Copyright 1978
Levelled N/A

Surveyed 1972
Revised 1975
Edition N/A
Copyright 1975
Levelled N/A

Surveyed 1971
Revised 1975
Edition N/A
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Production date: 11 December 2024

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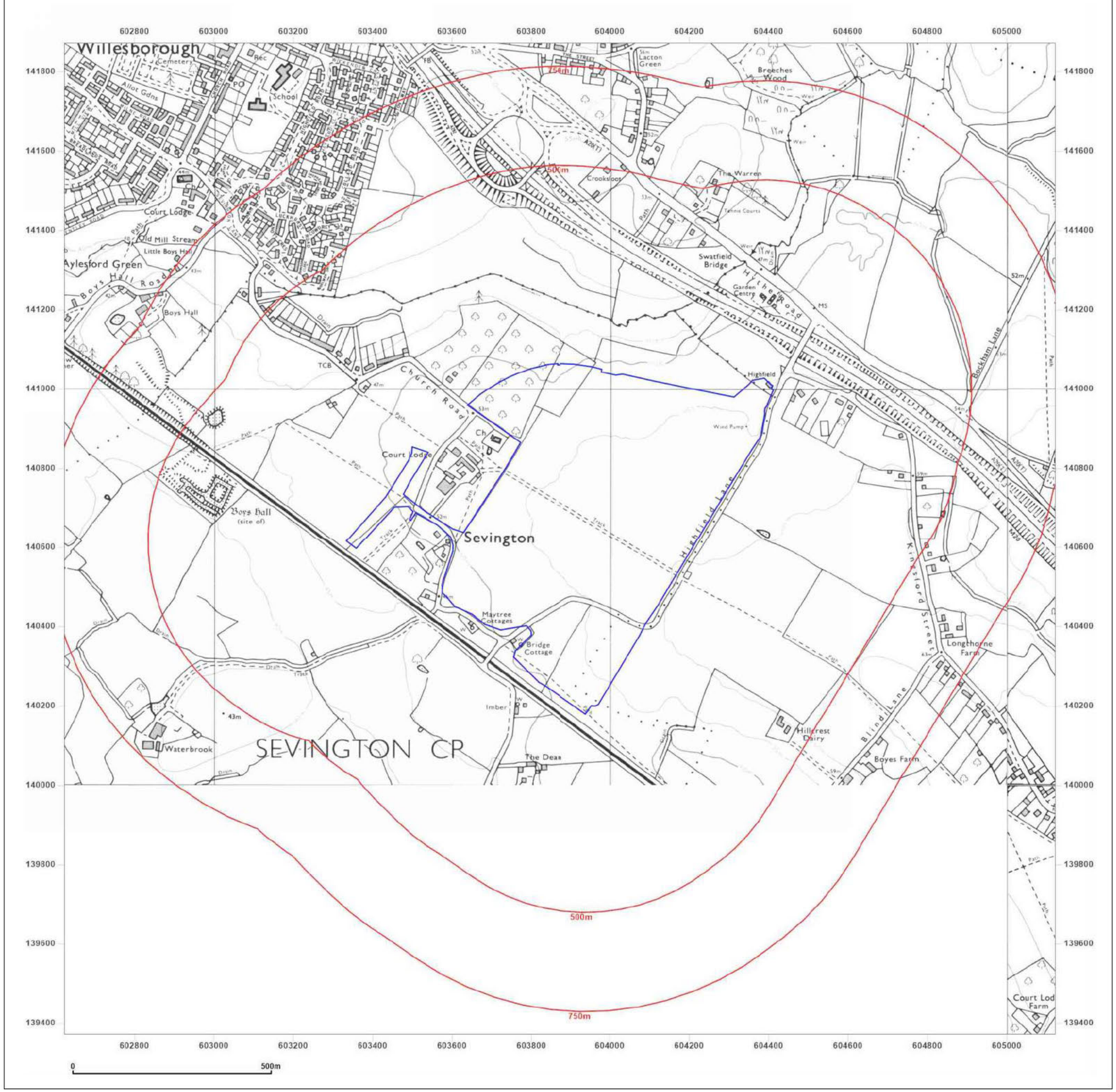

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: National Grid

Map date: **1984-1988**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1982
Revised 1984
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1974
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1972
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 11 December 2024

Map legend available at:
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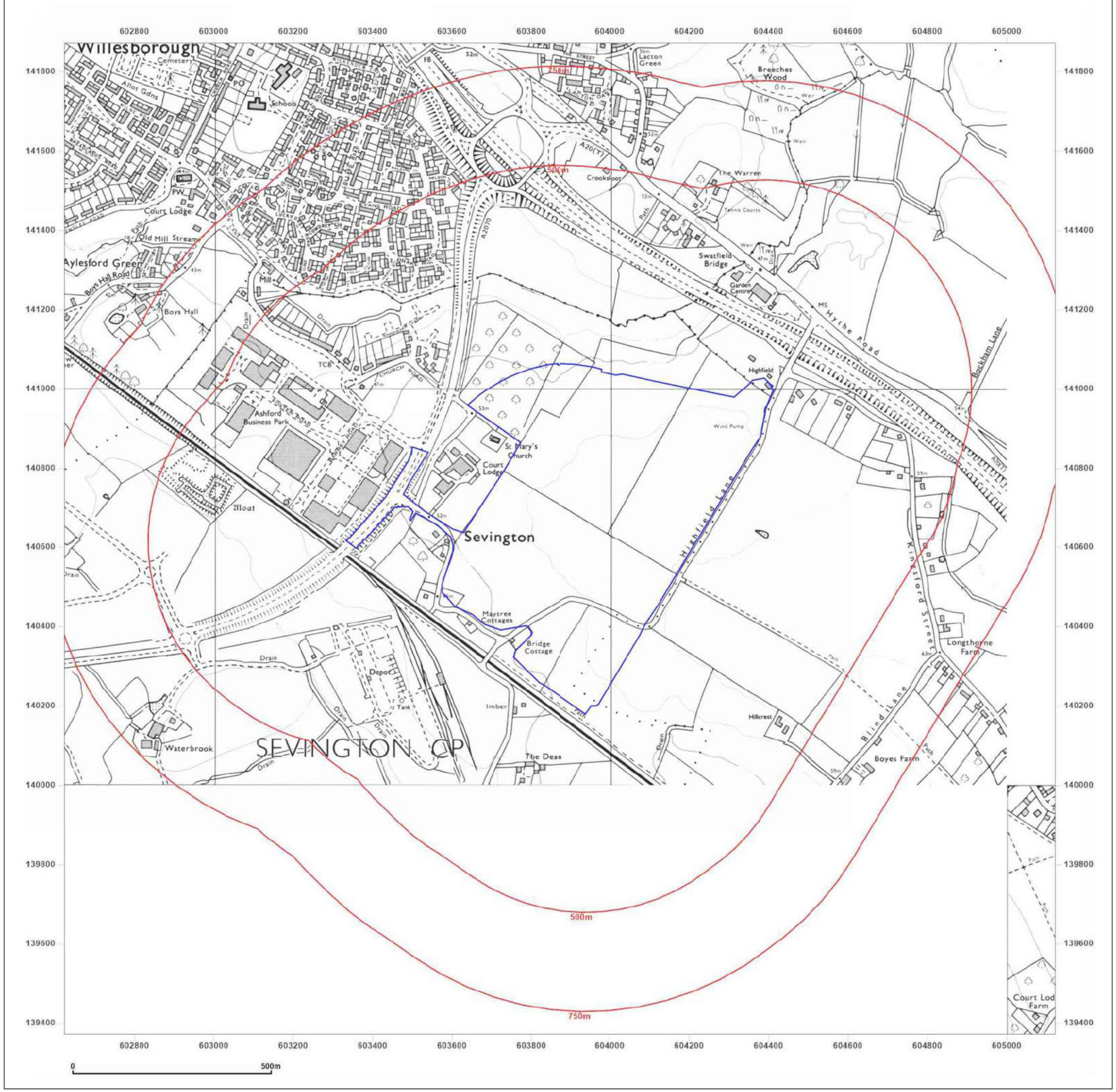

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: National Grid

Map date: **1988-1993**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1991
Revised 1993
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1972
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

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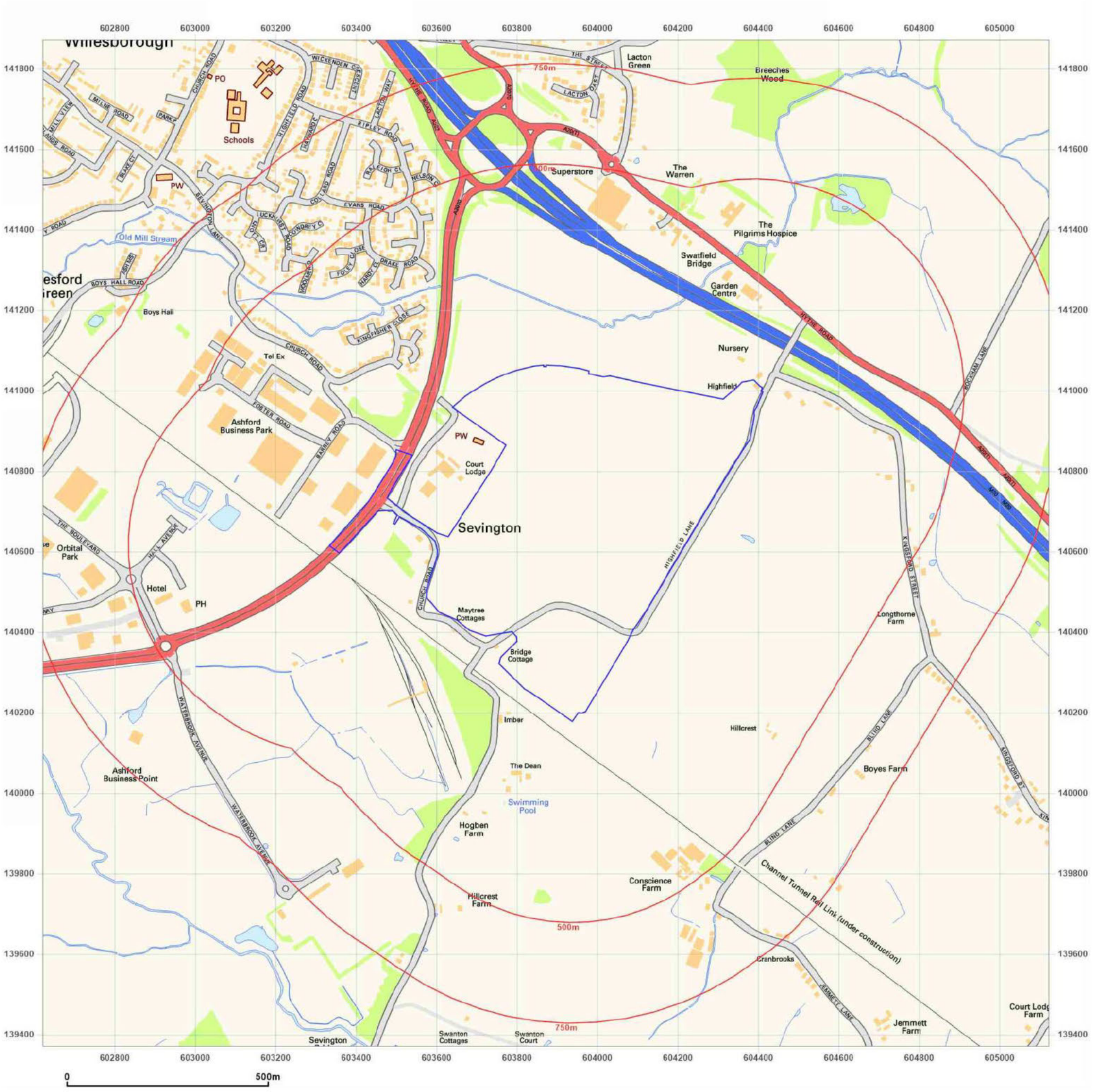

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: National Grid
Map date: 2001
Scale: 1:10,000
Printed at: 1:10,000

N
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2001

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Production date: 11 December 2024

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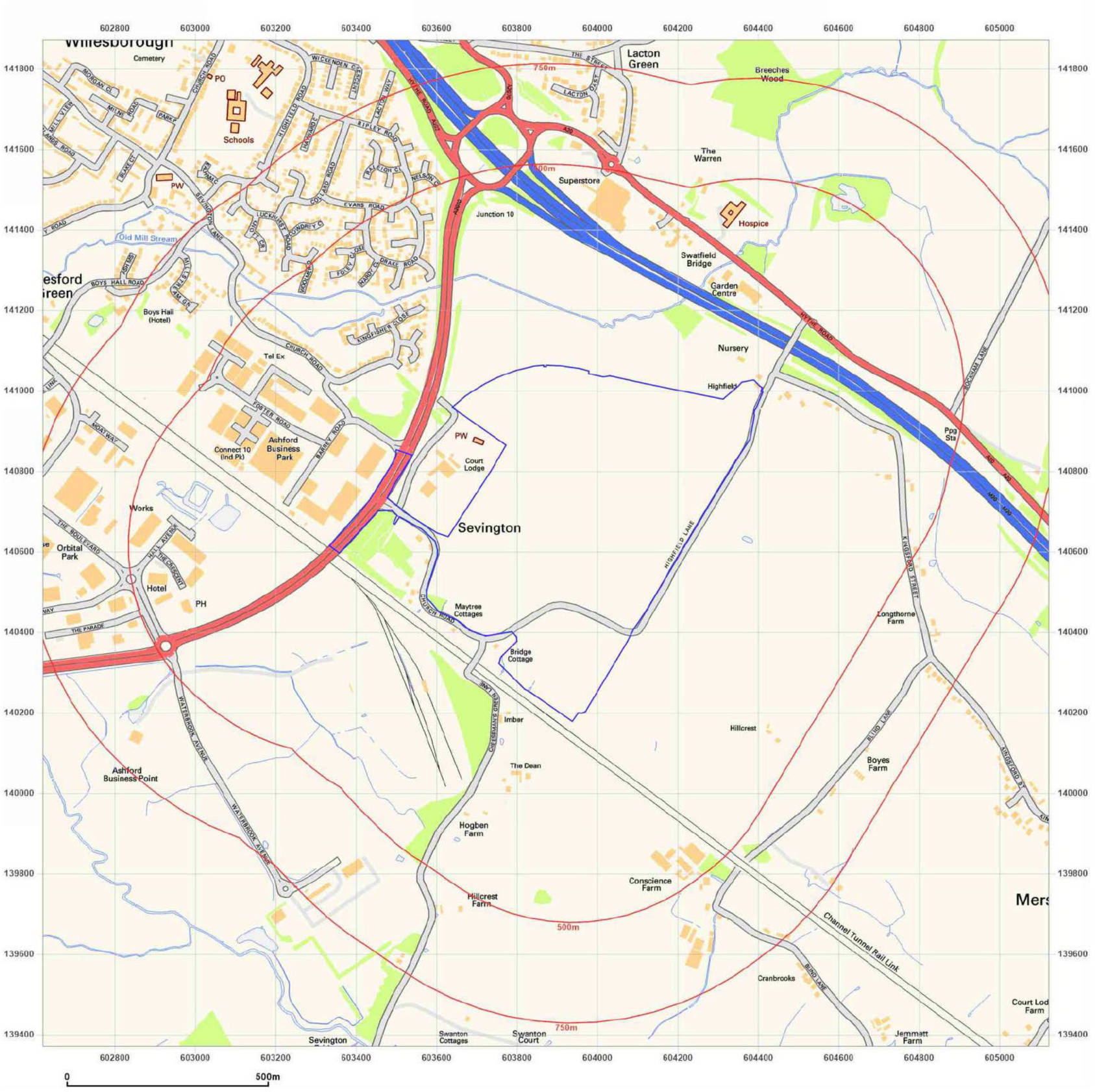

Groundsure INSIGHTS

Site Details:

IBF Sevington

Client Ref: WIE20982 RN132014
Report Ref: GS-MGP-LOF-YOL-AZZ
Grid Ref: 603872, 140621

Map Name: National Grid
Map date: 2010
Scale: 1:10,000
Printed at: 1:10,000

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W E
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2010

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Production date: 11 December 2024

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