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ENERGY AND CLIMATE CHANGE
ENVIRONMENT AND SUSTAINABILITY
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LAND AND PROPERTY
MINING AND MINERAL PROCESSING
MINERAL ESTATES
WASTE RESOURCE MANAGEMENT



ALTILIUM METALS LTD

TECHNOLOGY CENTRE TAVISTOCK

SITE CONDITION REPORT

APRIL 2024

DATE ISSUED: APRIL 2024
JOB NUMBER: BM12752
REPORT NUMBER: 0005
VERSION: V1.0
STATUS: FINAL

ALTILIUM METALS LTD

TECHNOLOGY CENTRE TAVISTOCK

SITE CONDITION REPORT

APRIL 2024

PREPARED BY:

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Consultant



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Alison Cook Technical Director



APPROVED BY:

Alison Cook Technical Director



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Appendix 1 Groundsure Report

DRAWINGS	TITLE	SCALE
BM12752-001-P0	Permit Boundary Plan	1:1000

1 INTRODUCTION

- 1.1.1 Altilium Metals Ltd have commissioned Wardell Armstrong LLP to prepare a Site Condition Report for the Technology Centre Facility (Unit 20, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN). The Site is currently operational under a Local Enforcement Position.
- 1.1.2 The site is utilised for the small-scale chemical treatment of waste black mass to recover critical minerals via sequential hydrometallurgical processes, and subsequently use the recovered materials in the production of metal oxide, namely cathode active material, for trial-scale supply to manufacturers of new Electric Vehicle (EV) batteries.
- 1.1.3 The site will also treat copper tailings and other metal rich waste streams using the same techniques to inform the potential for this waste stream to act as a source of metals for the same end use in EV batteries.
- 1.1.4 The recovery of critical minerals such as lithium, graphite and cobalt fall within the scope of the Government's Critical Minerals Strategy, and the scheme will support a circular economy of critical minerals. Additionally, the processes also include minerals on the UK watch list, including manganese and nickel.

2 SITE LOCATION AND SETTING

Site details	
Name of the applicant	Altilium Metals Ltd
Activity address	Unit 20, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN
National grid reference	SX 48156 73206.
Document reference	BM12752/006 Site Condition Report V1
Dates for Site Condition Report at permit application	
Document references for site plans (including location and boundaries)	

- 2.1.1 The site comprises a building in which all operations are contained. The site is located on an industrial estate within a highly urbanised part of the town in Tavistock, approximately 15 km north of Plymouth. The nearest residential dwellings are located 50 m southeast of the site, off Willow Road. Further properties sit approximately 120m north and east of the site.

2.1.2 The site location and permit boundary are shown on drawing BM12752-001-P0

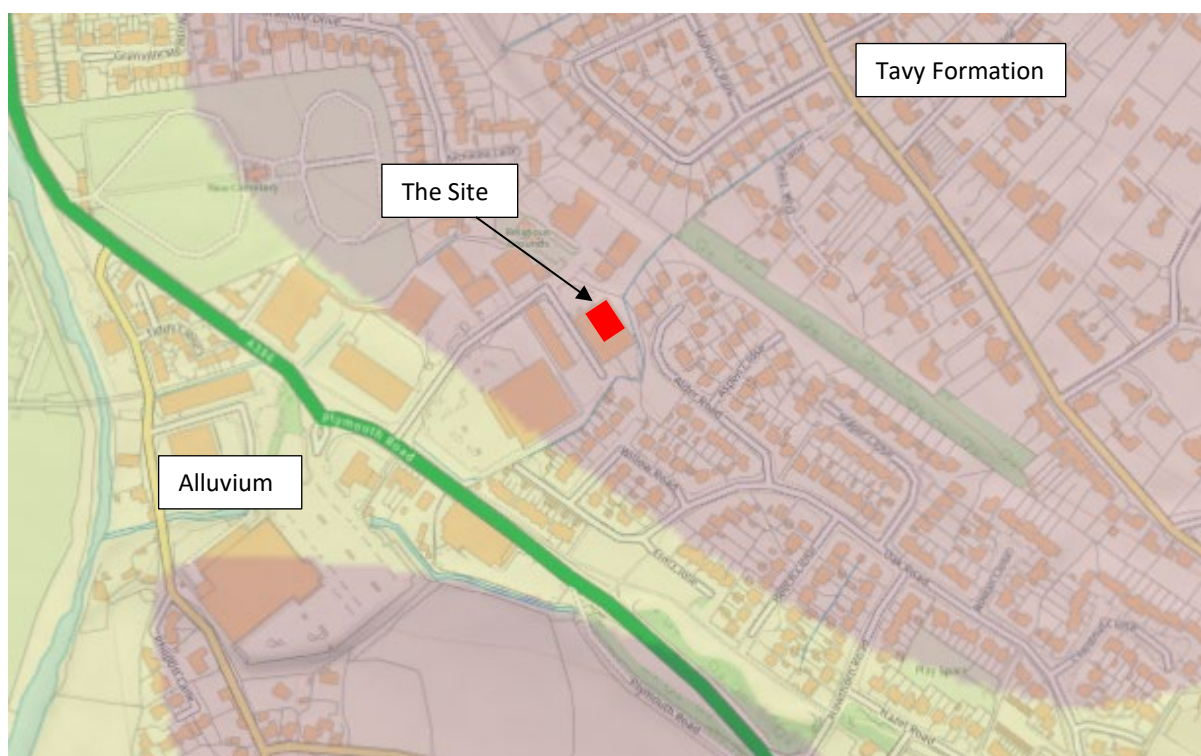
3 CONDITION OF THE LAND AT PERMIT APPLICATION

3.1 Geology

3.1.1 The underlying geology at the site comprises Tavy Formation, a slaty silty mudstone with fine grained sandstone beds and lenses. The Tavy Formation is a sedimentary bedrock formed during the Devonian Period comprising low permeability material such as clay rich sediments.

3.1.2 There are no superficial deposits underlying the site (Figure 1).

Figure 1 – Bedrock and Superficial Geology (Extract from BGS Geology Viewer¹)



3.2 Hydrogeology

3.2.1 The site is located on a Secondary A Bedrock aquifer defined by the Environment Agency as aquifers which “*comprise permeable layers that can support local water supplies, and may form an important source of base flow to rivers*”.

¹ https://geologyviewer.bgs.ac.uk/?_ga=2.206672275.1693424288.1708601961-2117942628.1708601961

3.2.2 The flow type through the bedrock aquifer is classified as fracture flow.

3.2.3 The site is located approximately 3.7km from the closest Source Protection Zone (SPZ) which is classified as Zone II, an outer protection zone.

3.3 Hydrology

3.4 The Tiddy Brook is the closest surface water feature to the site and is a tributary of the River Tavy which flows in a southerly direction approximately 360m from the site.

3.5 Historical Land Use

3.5.1 A Groundside Environmental Insights Report has been used to detail the historic land use at the site, this report is attached as Appendix 1. Historic land use at the site is categorised as unspecified industrial works for the 1882-1988 period.

3.5.2 There was a historic Bone Mill 167m southwest of the site and several mining related artifacts in the vicinity of the site including cuttings, old shafts and unspecified pits, the closest being 89m to the east of the site boundary.

3.6 Current Land Use

3.6.1 The site is located on the Plymouth Road Industrial Estate and is surrounded by industrial activity. Current industrial sites include vehicle testing and repair 64m north west of the site and Tavy signs located 3m south west of the site.

3.7 Waste Operations

3.7.1 There are no recent or historical landfills located within a 500m radius of the site. There are also no historical or licenced waste sites in the site vicinity.

3.7.2 There are 8 records of waste exemptions within 500m of the site, these include:

- sorting and de-naturing of controlled drugs for disposal, 344m NE of the site;
- storage of waste in a secure place and use of waste in construction, East Crowndale Farm, 396m SW of the site;
- repair and refurbishment of WEEE, 416m SE of the site.

3.8 Pollution Prevention Measures

3.8.1 The site is located within a purpose designed laboratory housed in an industrial building. Waste processing is entirely undertaken within the laboratory area which is kept at negative pressure, chemically-scrubbed extraction, impermeable surfacing, spill kits and daily site inspections.

- 3.8.2 All activities will be undertaken within the laboratories, which are enclosed, preventing any fugitive escape of dust/particulates. There is an impermeable chemically treated floor to prevent any corrosion/impacts from spillages within the laboratory. A chemical spill kit is available on site.
- 3.8.3 Waste arriving to the site will be in solid, granular powder form. The materials will be appropriately packaged to prevent leaks of materials and will only be opened when ready for processing within the indoor facility which benefits from impermeable surfacing. Therefore, the risk of materials becoming windswept or fugitive emissions of dust beyond the site boundary are very low.
- 3.8.4 All waste treatment is undertaken within fume cupboards, which connect to individual point source emission to air, there are three in total. The fume cupboards both extract into ducting which feeds directly into a chemical scrubber for removing chemical traces (acid vapour etc) before being emitted through a flue at roof height.
- 3.8.5 All staff working at the site have been provided with training appropriate to their role and have a responsibility for their part in health and safety and environmental awareness and pollution control.
- 3.9 Pollution Incidents
- 3.9.1 There are two recorded pollution incidents within 500m of the site, these are listed below:
- 21/08/2002 Unidentified release with a Category 3 (Minor) impact to water;
 - 25/06/2001 Unidentified release with Category 4 (no impact) to water, land or air.
- 3.10 Historical Contamination
- 3.10.1 Whilst there are records of Tin mining in the local area there is no evidence of any associated historical contamination at the site.
- 3.11 Baseline Data
- 3.11.1 Baseline estimated background data is available for the site, take from the Groundsure report. The estimated values provide the likely background concentration of the potentially harmful elements and is sourced from the British Geological Survey:
- Arsenic >120mg/kg;
 - Lead 100mg/kg;
 - Cadmium 1.8mg/kg;

- Chromium 60 - 90mg/kg;
- Nickel 30 - 45mg/kg.

3.11.2 There is no measured urban soil chemistry data available for the site. Environmental monitoring is not currently undertaken at the site for soil or water.

3.11.1 Given that all activities are fully contained inside the building and the small scale of the operation, site investigation is not considered necessary.

4 STATEMENT OF SITE CONDITION

4.1.1 There is no evidence of any pollution impacts at the site prior to acquiring an environmental permit. The site is on an industrial estate surrounded by potentially contaminative land uses however there are no records of historical contamination or pollution incidents reported in the site boundary.

4.1.2 Given that the site was previously operated under Regulatory Position Statement(RPS) 128 and is currently operated under a Local Enforcement Position, the management of any potential pollution impacts arising from the site and pollution prevention infrastructure are considered robust and meet the criteria and requirements of the above operational regulations.

4.1.3 The requirements of the RPS include the following:

“Your activity does not cause (and is not likely to cause) pollution of the environment or harm to human health and meets the relevant objectives of the Waste Framework Directive, in particular:

- i. without risk to water, air, soil, plants or animals;*
- ii. without causing a nuisance through noise or odours; and*
- iii. without adversely affecting the countryside or places of special interest. “*

4.1.4 It is therefore considered that as there are no proposed changes to the methods of operation the Site, it will continue to meet these requirements and is not likely to cause pollution of the environment or harm to human health.

APPENDIX 1

Groundsure Report

STREET RECORD, ACCESS TO MORRISONS CAR PARK, TAVISTOCK, DEVON, PL19 9QN

Order Details

Date: 22/02/2024
Your ref: PO ST33000 Altilium Metals LTD Tavistock BM12752
Our Ref: GS-NUF-JA6-21A-V8B

Site Details

Location: 248156 073202
Area: 0.05 ha
Authority: [West Devon Borough Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#) groundsure.com/insightuserguide ↗

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	1	1	16	31	-
17 >	1.2 >	Historical tanks >	0	0	0	2	-
18 >	1.3 >	Historical energy features >	0	0	8	9	-
19	1.4	Historical petrol stations	0	0	0	0	-
19 >	1.5 >	Historical garages >	0	0	2	2	-
20	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
21 >	2.1 >	Historical industrial land uses >	2	4	22	39	-
24 >	2.2 >	Historical tanks >	0	0	0	3	-
24 >	2.3 >	Historical energy features >	0	0	22	17	-
26	2.4	Historical petrol stations	0	0	0	0	-
26 >	2.5 >	Historical garages >	0	0	3	5	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
28	3.1	Active or recent landfill	0	0	0	0	-
28	3.2	Historical landfill (BGS records)	0	0	0	0	-
29	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
29	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
29	3.5	Historical waste sites	0	0	0	0	-
29	3.6	Licensed waste sites	0	0	0	0	-
29 >	3.7 >	Waste exemptions >	0	0	0	8	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
31 >	4.1 >	Recent industrial land uses >	0	1	13	-	-
32 >	4.2 >	Current or recent petrol stations >	0	0	1	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	-
33	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))	0	0	0	0	-
34 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	1	1	1	-
35	4.12	Radioactive Substance Authorisations	0	0	0	0	-
35 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	10	-
37	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
37	4.15	Pollutant release to public sewer	0	0	0	0	-
37	4.16	List 1 Dangerous Substances	0	0	0	0	-
37	4.17	List 2 Dangerous Substances	0	0	0	0	-
37 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	3	0	-
38	4.19	Pollution inventory substances	0	0	0	0	-
38	4.20	Pollution inventory waste transfers	0	0	0	0	-
38	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
39 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
40 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
41 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
42	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
42	5.5	Groundwater vulnerability- local information	None (within 0m)				
43 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	23
48 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	7
50 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	1
51	5.9	Source Protection Zones	0	0	0	0	-
51	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
52 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	0	1	9	-	-



53 >	6.2 >	Surface water features >	0	1	7	-	-
54 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
54 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
54 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
56	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
57 >	7.2 >	Historical Flood Events >	0	0	3	-	-
57	7.3	Flood Defences	0	0	0	-	-
57	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
58	7.5	Flood Storage Areas	0	0	0	-	-
59	7.6	Flood Zone 2	None (within 50m)				
59	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
60 >	8.1 >	Surface water flooding >	1 in 1000 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
62 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
63	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
64	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
64	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
64	10.4	Special Protection Areas (SPA)	0	0	0	0	0
64	10.5	National Nature Reserves (NNR)	0	0	0	0	0
65 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
65 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	4
65	10.8	Biosphere Reserves	0	0	0	0	0
66	10.9	Forest Parks	0	0	0	0	0
66	10.10	Marine Conservation Zones	0	0	0	0	0
66	10.11	Green Belt	0	0	0	0	0
66	10.12	Proposed Ramsar sites	0	0	0	0	0



66	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
67	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
67	10.15	Nitrate Sensitive Areas	0	0	0	0	0
67	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
68 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	1	-	-	-	-
69	10.18	SSSI Units	0	0	0	0	0
Page	Section	<u>Visual and cultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
70	11.1	World Heritage Sites	0	0	0	-	-
71	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
71	11.3	National Parks	0	0	0	-	-
71	11.4	Listed Buildings	0	0	0	-	-
71 >	11.5 >	<u>Conservation Areas ></u>	0	0	1	-	-
72	11.6	Scheduled Ancient Monuments	0	0	0	-	-
72	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
73 >	12.1 >	<u>Agricultural Land Classification ></u>	Grade 3 (within 250m)				
74	12.2	Open Access Land	0	0	0	-	-
74	12.3	Tree Felling Licences	0	0	0	-	-
74	12.4	Environmental Stewardship Schemes	0	0	0	-	-
74	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
75 >	13.1 >	<u>Priority Habitat Inventory ></u>	0	0	1	-	-
76	13.2	Habitat Networks	0	0	0	-	-
76	13.3	Open Mosaic Habitat	0	0	0	-	-
76	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
77 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
78	14.2	Artificial and made ground (10k)	0	0	0	0	-
79	14.3	Superficial geology (10k)	0	0	0	0	-



79	14.4	Landslip (10k)	0	0	0	0	-
80	14.5	Bedrock geology (10k)	0	0	0	0	-
80	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
81 >	15.1 >	50k Availability >	Identified (within 500m)				
82	15.2	Artificial and made ground (50k)	0	0	0	0	-
82	15.3	Artificial ground permeability (50k)	0	0	-	-	-
83 >	15.4 >	Superficial geology (50k) >	0	0	1	0	-
84	15.5	Superficial permeability (50k)	None (within 50m)				
84	15.6	Landslip (50k)	0	0	0	0	-
84	15.7	Landslip permeability (50k)	None (within 50m)				
85 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
86 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
86 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	2	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
87	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence >					
88 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
89 >	17.2 >	Running sands >	Negligible (within 50m)				
90 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
91 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
92 >	17.5 >	Landslides >	Very low (within 50m)				
93 >	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
95 >	18.1 >	BritPits >	0	0	0	3	-
96 >	18.2 >	Surface ground workings >	0	0	16	-	-
97 >	18.3 >	Underground workings >	0	0	0	4	27
98	18.4	Underground mining extents	0	0	0	0	-
99	18.5	Historical Mineral Planning Areas	0	0	0	0	-

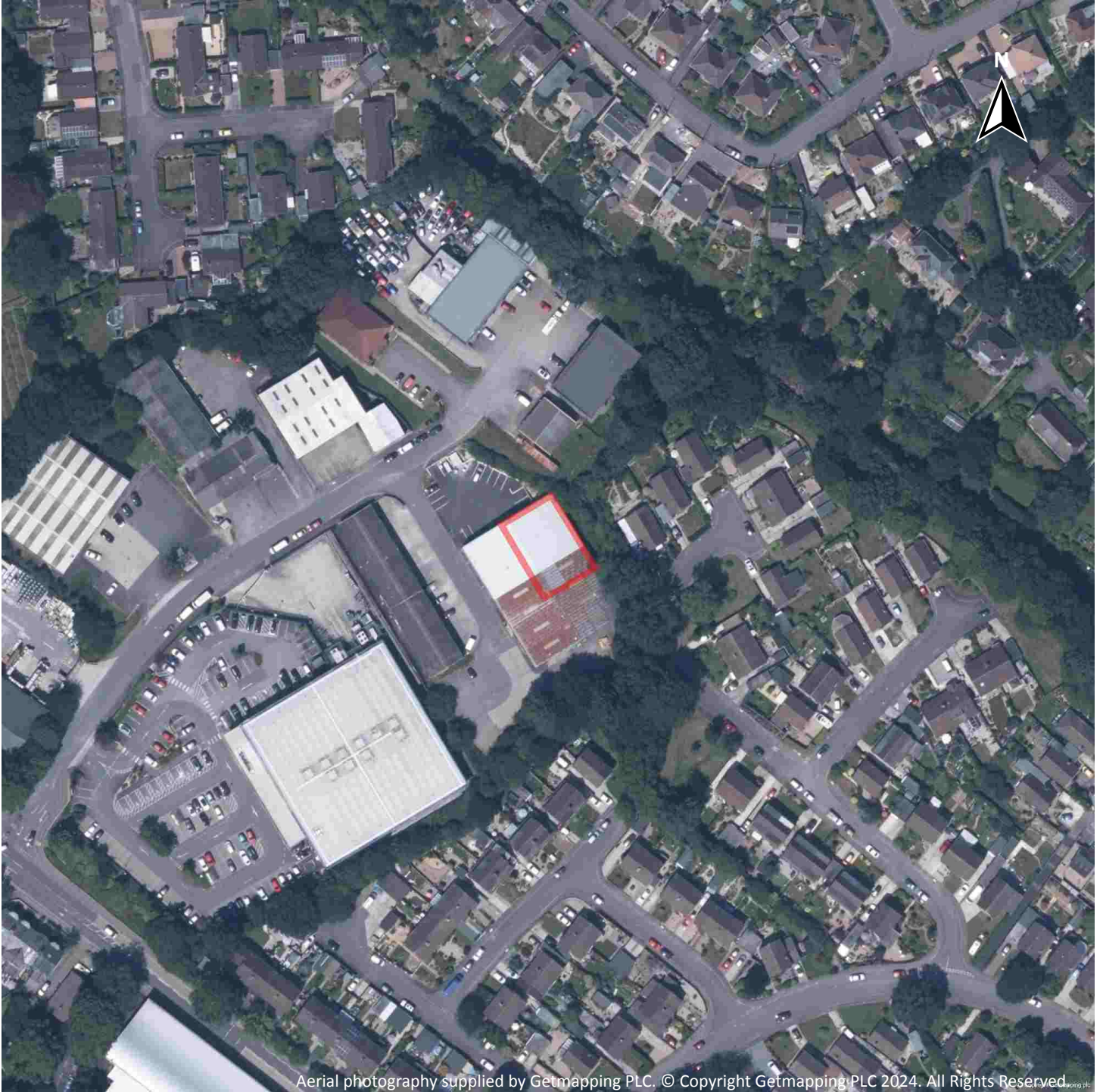


99 >	18.6 >	Non-coal mining >	1	0	2	3	4
100	18.7	JPB mining areas	None (within 0m)				
100	18.8	The Coal Authority non-coal mining	0	0	0	0	-
101 >	18.9 >	Researched mining >	2	0	7	20	-
102 >	18.10 >	Mining record office plans >	0	0	0	4	-
102	18.11	BGS mine plans	0	0	0	0	-
103	18.12	Coal mining	None (within 0m)				
103	18.13	Brine areas	None (within 0m)				
103	18.14	Gypsum areas	None (within 0m)				
103 >	18.15 >	Tin mining >	Identified (within 0m)				
103	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
104	19.1	Natural cavities	0	0	0	0	-
105 >	19.2 >	Mining cavities >	0	0	0	0	6
106	19.3	Reported recent incidents	0	0	0	0	-
106	19.4	Historical incidents	0	0	0	0	-
106	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
107 >	20.1 >	Radon >	Between 5% and 10% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
109	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
109	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
110	22.1	Underground railways (London)	0	0	0	-	-
110	22.2	Underground railways (Non-London)	0	0	0	-	-
111	22.3	Railway tunnels	0	0	0	-	-
111	22.4	Historical railway and tunnel features	0	0	0	-	-
111	22.5	Royal Mail tunnels	0	0	0	-	-



111 >	22.6 >	Historical railways >	0	0	1	-	-
112	22.7	Railways	0	0	0	-	-
112	22.8	Crossrail 1	0	0	0	0	-
112	22.9	Crossrail 2	0	0	0	0	-
112	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 16/07/2022

Site Area: 0.05ha



Recent site history - 2019 aerial photograph



Capture Date: 04/07/2019

Site Area: 0.05ha



Recent site history - 2015 aerial photograph



Capture Date: 20/04/2015

Site Area: 0.05ha



Recent site history - 2010 aerial photograph



Capture Date: 24/05/2010

Site Area: 0.05ha



Recent site history - 1999 aerial photograph



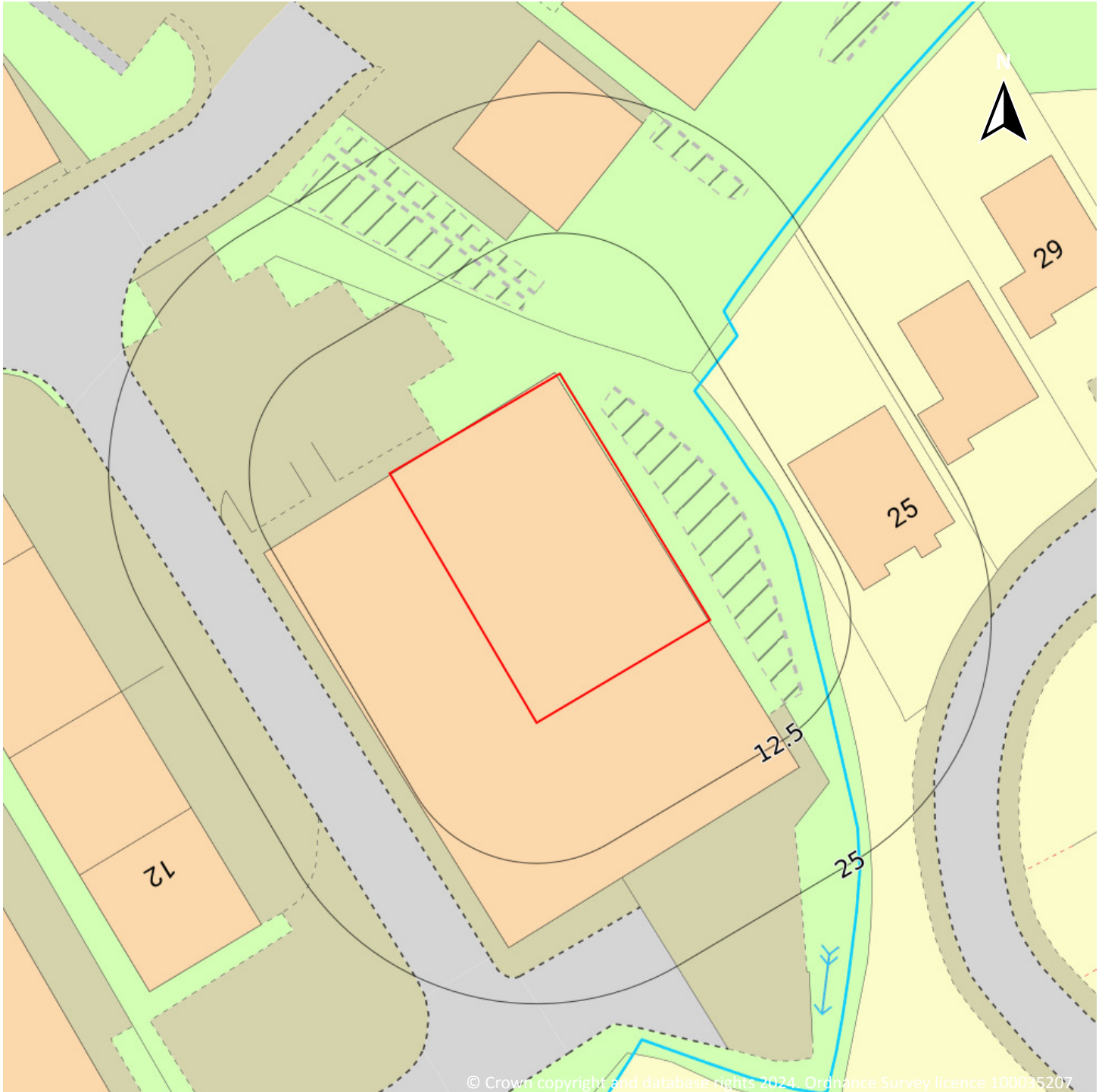
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 27/07/1999

Site Area: 0.05ha



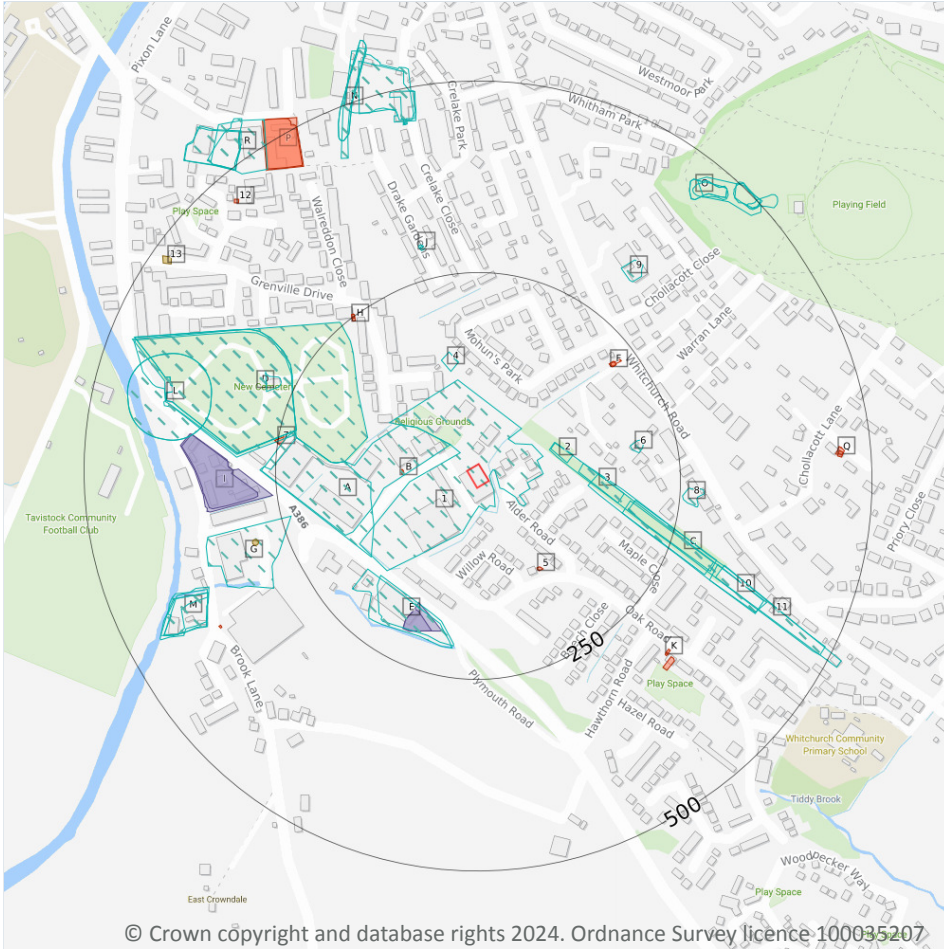
OS MasterMap site plan



Site Area: 0.05ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m **49**

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Works	1982 - 1988	429647



ID	Location	Land use	Dates present	Group ID
A	41m NW	Unspecified Works	1982 - 1988	405134
C	89m E	Cuttings	1955	424034
2	91m E	Cuttings	1883	425736
3	118m E	Cuttings	1883	411803
4	126m N	Cuttings	1883	398636
A	126m W	Unspecified Works	1970	401562
C	129m E	Cuttings	1905	404197
D	137m W	Cemetery	1955 - 1988	407258
E	167m SW	Bone Mill	1883	413713
E	171m SW	Bone Mill	1905 - 1938	414708
C	179m E	Cuttings	1938	402347
C	186m E	Cuttings	1883	417418
6	190m E	Unspecified Ground Workings	1883	397965
D	228m W	Cemetery	1905	420619
D	229m W	Cemetery	1883	403878
D	229m W	Cemetery	1938	411066
G	237m W	Unspecified Depot	1970 - 1988	426925
8	253m E	Unspecified Pit	1883	381085
D	268m NW	Mortuary	1883	386999
J	288m N	Unspecified Old Shaft	1905 - 1938	401984
J	292m N	Unspecified Old Shaft	1883	414164
9	311m NE	Unspecified Heap	1883	390974
10	316m SE	Cuttings	1938	412825
11	321m SE	Cuttings	1883	409901
L	345m W	Mortuary	1938	411633
L	345m W	Mortuary	1883	412973
M	370m W	Corn Mill	1883	384961
M	373m SW	Unspecified Mill	1982 - 1988	420387



ID	Location	Land use	Dates present	Group ID
M	374m SW	Unspecified Mill	1905	420095
M	374m SW	Unspecified Mill	1938	421145
N	434m N	Railway Sidings	1905	406419
O	444m NE	Unspecified Quarry	1938	413031
O	444m NE	Unspecified Quarry	1883	421671
O	452m NE	Unspecified Old Quarry	1905	394531
N	453m N	Chimney	1883	395912
N	454m N	Bone Mill	1883	409002
N	456m N	Bone Mill	1905 - 1938	422384
O	456m NE	Unspecified Pits	1970 - 1988	407394
N	457m N	Railway Sidings	1938	402557
N	457m N	Railway Sidings	1883	423743
N	458m N	Barracks	1970	398411
R	472m NW	Unspecified Works	1970 - 1988	407659
O	481m NE	Unspecified Heaps	1883	386026
O	482m NE	Unspecified Pit	1905 - 1938	414506
O	486m NE	Unspecified Ground Workings	1905	397969
R	495m NW	Refuse Heap	1905	401100
R	495m NW	Disused Copper Mine	1938	416209
R	497m NW	Disused Copper Mine	1883	415968

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

2

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

Features are displayed on the Past land use map on [page 15 >](#)



ID	Location	Land use	Dates present	Group ID
G	288m W	Unspecified Tank	1993	45726
13	471m NW	Unspecified Tank	1953 - 1962	51423

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	17
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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 ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
B	83m W	Electricity Substation	1996	27182
B	83m W	Electricity Substation	1988	25667
5	130m SE	Electricity Substation	1988 - 1996	26480
F	215m NE	Electricity Substation	1971 - 1988	28684
F	216m NE	Electricity Substation	1996	26777
7	240m W	Electricity Substation	1971 - 1998	28050
H	244m NW	Electricity Substation	1996 - 1998	30209
H	248m NW	Electricity Substation	1991 - 1993	26522
K	321m SE	Electricity Substation	1994	26815
K	322m SE	Electricity Substation	1979	26042
K	330m SE	Electricity Substation	1988	23943
M	379m SW	Electricity Substation	1996 - 1998	27513
P	451m NW	Liquid Gas Depot	1971	27922
P	453m NW	Liquid Gas Depot	1985 - 1990	28838
Q	454m E	Electricity Substation	1988 - 1996	27370
Q	457m E	Electricity Substation	1971	27413



ID	Location	Land use	Dates present	Group ID
12	460m NW	Electricity Substation	1988 - 1990	29757

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 ungrouped 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

4

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 ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
E	168m SW	Garage	1996	8441
E	178m SW	Garage	1962 - 1971	9121
I	256m W	Garage	1991 - 1993	9441
I	275m W	Garage	1996 - 1998	9652

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

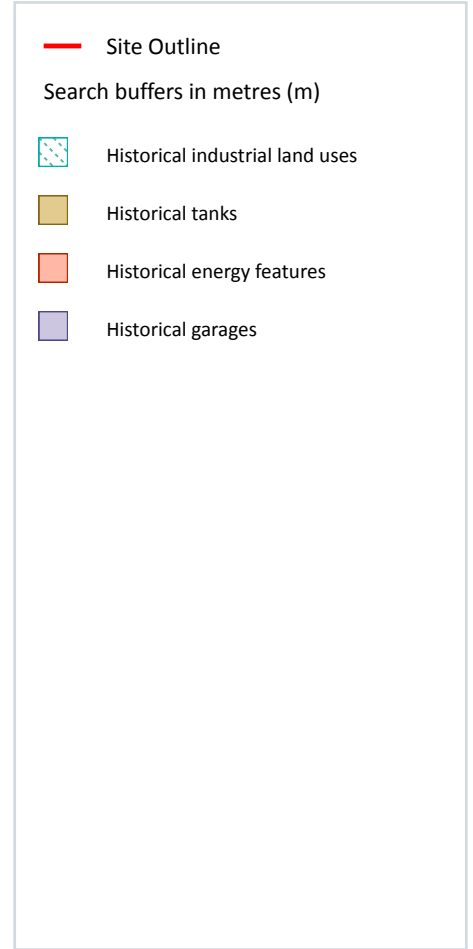
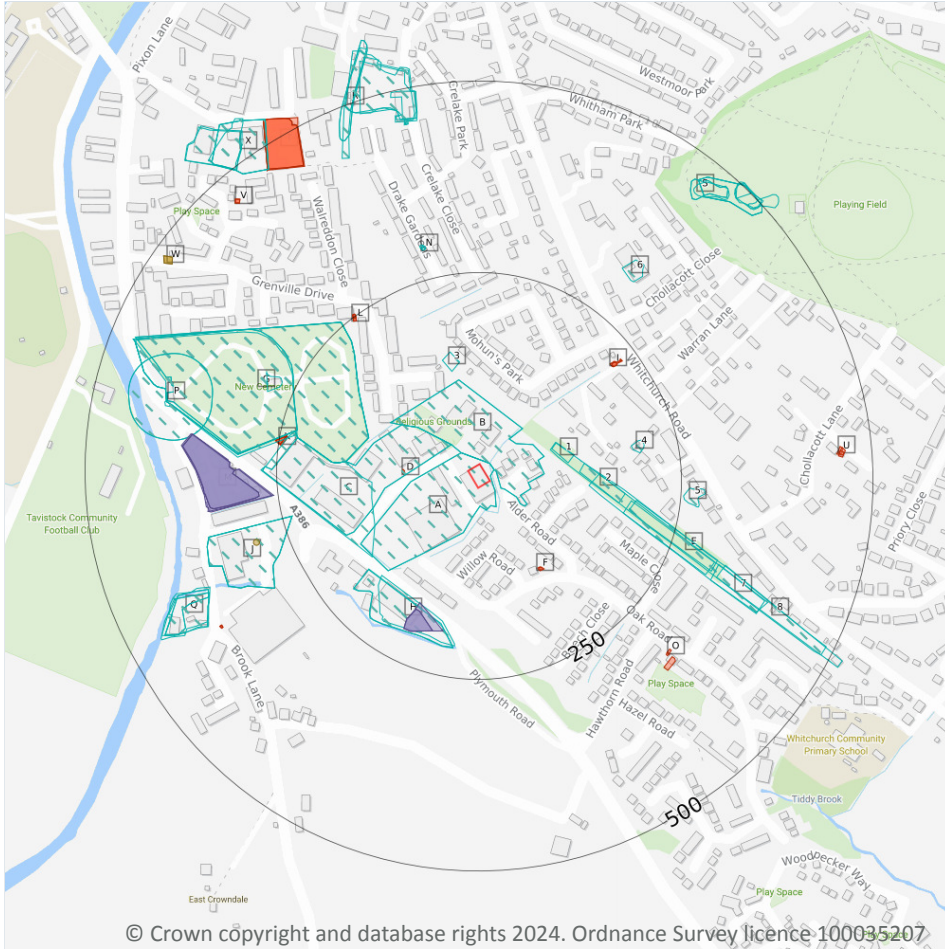
0

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



2.1 Historical industrial land uses

Records within 500m

67

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 ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1982	429647
A	On site	Unspecified Works	1988	429647
B	5m N	Unspecified Works	1982	429647

ID	Location	Land Use	Date	Group ID
B	5m N	Unspecified Works	1988	429647
C	41m NW	Unspecified Works	1982	405134
C	41m NW	Unspecified Works	1988	405134
E	89m E	Cuttings	1955	424034
1	91m E	Cuttings	1883	425736
2	118m E	Cuttings	1883	411803
3	126m N	Cuttings	1883	398636
C	126m W	Unspecified Works	1970	401562
E	129m E	Cuttings	1905	404197
G	137m W	Cemetery	1982	407258
G	137m W	Cemetery	1988	407258
G	137m W	Cemetery	1970	407258
G	137m W	Cemetery	1955	407258
H	167m SW	Bone Mill	1883	413713
H	171m SW	Bone Mill	1938	414708
H	171m SW	Bone Mill	1905	414708
E	179m E	Cuttings	1938	402347
E	186m E	Cuttings	1883	417418
4	190m E	Unspecified Ground Workings	1883	397965
G	228m W	Cemetery	1905	420619
G	229m W	Cemetery	1883	403878
G	229m W	Cemetery	1938	411066
J	237m W	Unspecified Depot	1982	426925
J	237m W	Unspecified Depot	1988	426925
J	237m W	Unspecified Depot	1970	426925
5	253m E	Unspecified Pit	1883	381085
G	268m NW	Mortuary	1883	386999
N	288m N	Unspecified Old Shaft	1905	401984



ID	Location	Land Use	Date	Group ID
N	289m N	Unspecified Old Shaft	1938	401984
N	292m N	Unspecified Old Shaft	1883	414164
6	311m NE	Unspecified Heap	1883	390974
7	316m SE	Cuttings	1938	412825
8	321m SE	Cuttings	1883	409901
P	345m W	Mortuary	1883	412973
P	345m W	Mortuary	1938	411633
Q	370m W	Corn Mill	1883	384961
Q	373m SW	Unspecified Mill	1982	420387
Q	373m SW	Unspecified Mill	1988	420387
Q	374m SW	Unspecified Mill	1905	420095
Q	374m SW	Unspecified Mill	1938	421145
R	434m N	Railway Sidings	1905	406419
S	444m NE	Unspecified Quarry	1883	421671
S	444m NE	Unspecified Quarry	1938	413031
S	452m NE	Unspecified Old Quarry	1905	394531
R	453m N	Chimney	1883	395912
R	454m N	Bone Mill	1883	409002
R	456m N	Bone Mill	1905	422384
S	456m NE	Unspecified Pits	1982	407394
S	456m NE	Unspecified Pits	1988	407394
S	456m NE	Unspecified Pits	1970	407394
R	457m N	Railway Sidings	1883	423743
R	457m N	Railway Sidings	1938	402557
R	458m N	Barracks	1970	398411
R	459m N	Bone Mill	1938	422384
X	472m NW	Unspecified Works	1982	407659
X	472m NW	Unspecified Works	1988	407659



ID	Location	Land Use	Date	Group ID
X	472m NW	Unspecified Works	1970	407659
S	481m NE	Unspecified Heaps	1883	386026
S	482m NE	Unspecified Pit	1905	414506
S	483m NE	Unspecified Pit	1938	414506
S	486m NE	Unspecified Ground Workings	1905	397969
X	495m NW	Refuse Heap	1905	401100
X	495m NW	Disused Copper Mine	1938	416209
X	497m NW	Disused Copper Mine	1883	415968

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

3

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

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

ID	Location	Land Use	Date	Group ID
J	288m W	Unspecified Tank	1993	45726
W	471m NW	Unspecified Tank	1953	51423
W	471m NW	Unspecified Tank	1962	51423

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

39

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

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)



ID	Location	Land Use	Date	Group ID
D	83m W	Electricity Substation	1996	27182
D	83m W	Electricity Substation	1988	25667
F	130m SE	Electricity Substation	1988	26480
F	130m SE	Electricity Substation	1996	26480
I	215m NE	Electricity Substation	1988	28684
I	216m NE	Electricity Substation	1996	26777
I	216m NE	Electricity Substation	1971	28684
K	240m W	Electricity Substation	1996	28050
K	240m W	Electricity Substation	1996	28050
K	240m W	Electricity Substation	1998	28050
K	240m W	Electricity Substation	1971	28050
K	240m W	Electricity Substation	1991	28050
K	242m W	Electricity Substation	1985	28050
K	242m W	Electricity Substation	1988	28050
K	242m W	Electricity Substation	1989	28050
K	242m W	Electricity Substation	1990	28050
K	242m W	Electricity Substation	1993	28050
L	244m NW	Electricity Substation	1996	30209
L	244m NW	Electricity Substation	1996	30209
L	244m NW	Electricity Substation	1998	30209
L	248m NW	Electricity Substation	1993	26522
L	248m NW	Electricity Substation	1991	26522
O	321m SE	Electricity Substation	1994	26815
O	322m SE	Electricity Substation	1979	26042
O	330m SE	Electricity Substation	1988	23943
Q	379m SW	Electricity Substation	1996	27513
Q	379m SW	Electricity Substation	1996	27513
Q	379m SW	Electricity Substation	1998	27513



ID	Location	Land Use	Date	Group ID
T	451m NW	Liquid Gas Depot	1971	27922
T	453m NW	Liquid Gas Depot	1985	28838
T	453m NW	Liquid Gas Depot	1988	28838
T	453m NW	Liquid Gas Depot	1989	28838
T	453m NW	Liquid Gas Depot	1990	28838
U	454m E	Electricity Substation	1988	27370
U	456m E	Electricity Substation	1996	27370
U	457m E	Electricity Substation	1971	27413
V	460m NW	Electricity Substation	1988	29757
V	460m NW	Electricity Substation	1989	29757
V	460m NW	Electricity Substation	1990	29757

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

8

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

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

ID	Location	Land Use	Date	Group ID
H	168m SW	Garage	1996	8441
H	178m SW	Garage	1962	9121



ID	Location	Land Use	Date	Group ID
H	178m SW	Garage	1971	9121
M	256m W	Garage	1991	9441
M	258m W	Garage	1993	9441
M	275m W	Garage	1996	9652
M	275m W	Garage	1996	9652
M	275m W	Garage	1998	9652

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m **0**

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m **0**

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

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

3.5 Historical waste sites

Records within 500m **0**

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

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

3.6 Licensed waste sites

Records within 500m **0**

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

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 28 >](#)

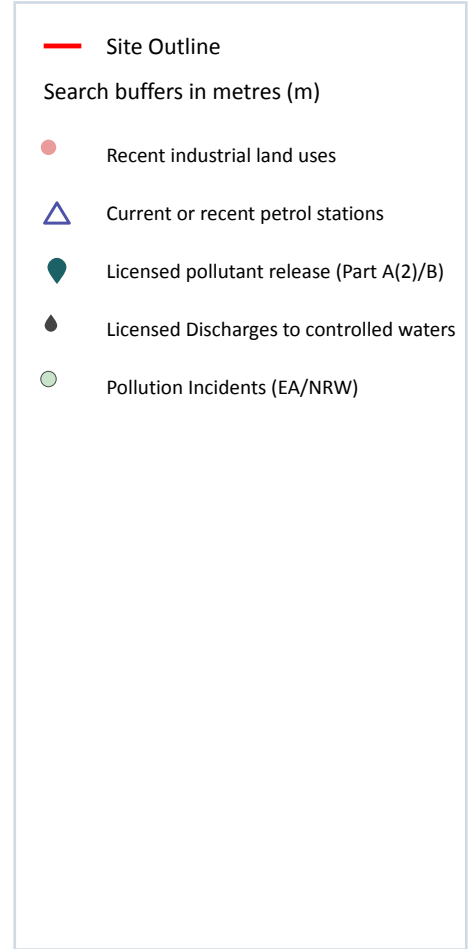
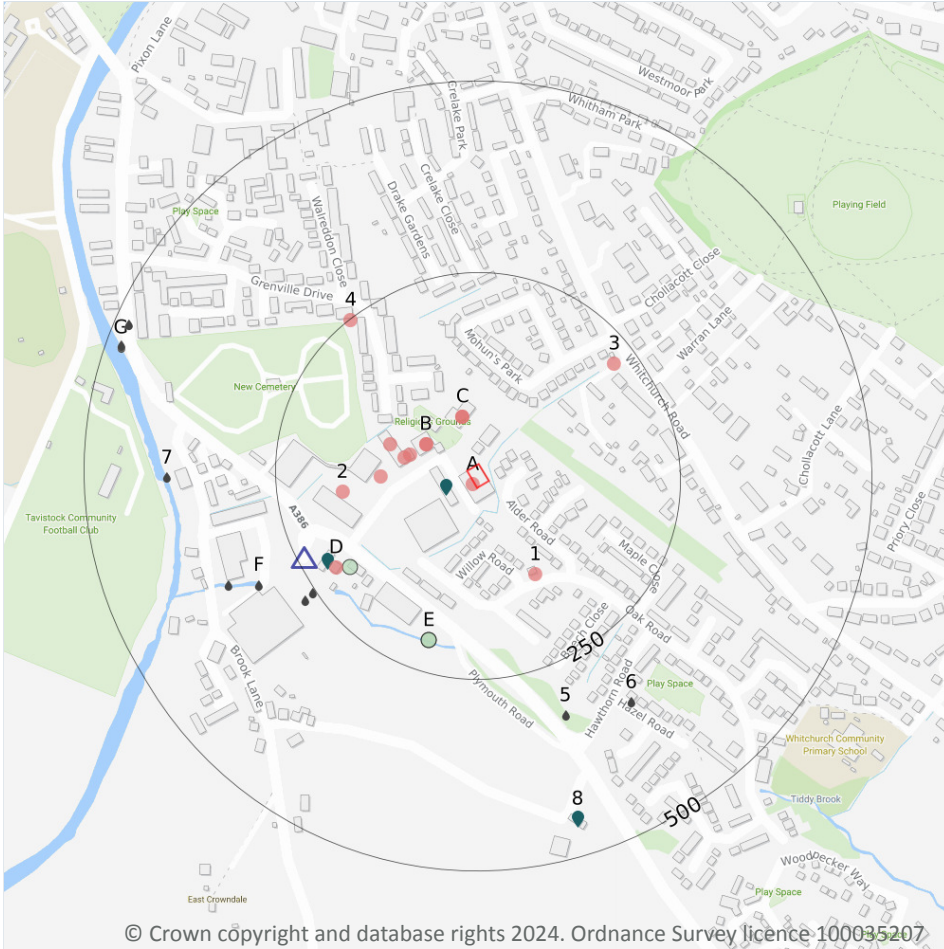
ID	Location	Site	Reference	Category	Sub-Category	Description
A	344m NE	61, WHITCHURCH ROAD, TAVISTOCK, PL19 9BD	WEX283798	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

ID	Location	Site	Reference	Category	Sub-Category	Description
A	344m NE	61, WHITCHURCH ROAD, TAVISTOCK, PL19 9BD	WEX145794	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	396m SW	EAST CROWNDALE FARM, BROOK LANE, TAVISTOCK, PL19 9DP	WEX208843	Storing waste exemption	On a Farm	Storage of waste in a secure place
B	396m SW	EAST CROWNDALE FARM, BROOK LANE, TAVISTOCK, PL19 9DP	WEX214757	Using waste exemption	On a Farm	Use of waste in construction
C	416m SE	140 WHITCHURCH ROAD, TAVISTOCK, PL19 9DE	EXP/VP3986TF	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
C	416m SE	140 Whitchurch Road, Tavistock, Devon, PL19 9DE	EA/EPR/VP398 6TF/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
C	417m SE	140 Whitchurch Road, Tavistock, Devon, PL19 9DE	EA/EPR/VP388 6DW/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
1	497m SW	-	WEX328304	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

14

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 31](#) >

ID	Location	Company	Address	Activity	Category
A	3m SW	Tavy Signs	Unit 18-18a, Tavistock Retail Park, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN	Signs	Industrial Products
B	64m NW	Protyre	Unit 23, Tavistock Retail Park, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN	Vehicle Repair, Testing and Servicing	Repair and Servicing

ID	Location	Company	Address	Activity	Category
B	64m NW	Tavistock Tyre & Exhaust	Unit 23, Tavistock Retail Park, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	66m N	Tarc	26-27, Plymouth Road Industrial Estate, Town Centre, Tavistock, Devon, PL19 9QN	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	66m N	Tavistock Accident Repair Centre Ltd	Unit 25-27, Tavistock Retail Park, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	78m W	Tavy Signs	Unit 11c, Tavistock Retail Park, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN	Signs	Industrial Products
B	84m W	Rentafford	Unit 11, Tavistock Retail Park, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN	Vehicle Hire and Rental	Hire Services
B	106m W	Fishbelly Antiques	Unit 17, Plymouth Road Industrial Estate, Tavistock, Devon, PL19 9QN	Furniture	Consumer Products
B	113m W	Electricity Sub Station	Devon, PL19	Electrical Features	Infrastructure and Facilities
1	136m SE	Electricity Sub Station	Devon, PL19	Electrical Features	Infrastructure and Facilities
2	165m W	Plymouth Road Industrial Estate	Devon, PL19	Business Parks and Industrial Estates	Industrial Features
D	211m SW	Morrisons Petrol Station	128-130, Plymouth Road, Tavistock, Devon, PL19 9DS	Petrol and Fuel Stations	Road and Rail
3	220m NE	Electricity Sub Station	Devon, PL19	Electrical Features	Infrastructure and Facilities
4	249m NW	Electricity Sub Station	Devon, PL19	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 31 >](#)



ID	Location	Company	Address	LPG	Status
D	241m SW	MORRISONS	Plymouth Road, Tavistock, Devon, PL19 8AB	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m **0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m **0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m **0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m **0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m **0**

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

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

3

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	
A	35m W	Hatherleigh Bridge Works, Okehampton, Devon, PL19 9QN	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	217m SW	Morrisons Service Station, Plymouth Road, Tavistock, Devon, PL19 9DS	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
8	451m S	James Walker Metaflex Ltd, Plymouth Rd, PL19 9QN	Process: Asbestos Processes Status: Historical 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
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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	10
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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	
D	254m SW	MORRISONS SUPERMARKET, PLYMOUTH ROAD, TAVISTOCK, DEVON	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: NRA-SW-5895 Permit Version: 1 Receiving Water: TIDDY BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/08/1993 Effective Date: 13/08/1993 Revocation Date: -
D	268m SW	MORRISONS SUPERMARKET, PLYMOUTH ROAD, TAVISTOCK, DEVON	Effluent Type: MISCELLANEOUS DISCHARGES - MINE/GROUNDWATER AS RAISED Permit Number: NRA-SW-5897 Permit Version: 1 Receiving Water: TIDDY BROOK RIVER TAVY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/08/1993 Effective Date: 13/08/1993 Revocation Date: 19/12/2001
F	310m SW	MORRISONS SUPERMARKET, PLYMOUTH ROAD, TAVISTOCK, DEVON	Effluent Type: MISCELLANEOUS DISCHARGES - MINE/GROUNDWATER AS RAISED Permit Number: NRA-SW-5896 Permit Version: 1 Receiving Water: TIDDY BROOK RIVER TAVY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/08/1993 Effective Date: 13/08/1993 Revocation Date: 19/11/2001



ID	Location	Address	Details	
5	318m S	BISHOP MEAD COMBINED SEWER OVERFLOW, 1 HAZEL ROAD, TAVISTOCK, DEVON, PL19 9DN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 301883 Permit Version: 2 Receiving Water: TIDDY BROOK	Status: VARIED UNDER EPR 2010 Issue date: 06/03/2017 Effective Date: 31/03/2017 Revocation Date: -
6	343m SE	BISHOP MEAD COMBINED SEWER OVERFLOW, 1 HAZEL ROAD, TAVISTOCK, DEVON, PL19 9DN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 301883 Permit Version: 1 Receiving Water: RIVER TAVY (S)	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 01/10/2000 Effective Date: 01/10/2000 Revocation Date: 30/03/2017
F	345m SW	SAFeway SUPERSTORE, TAVISTOCK, DEVON	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: NRA-SW-6248 Permit Version: 1 Receiving Water: TIDDY BROOK RIVER TAVY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 22/12/1993 Effective Date: 22/12/1993 Revocation Date: 29/03/2001
7	392m W	VETERINARY SURGEON AT BROOK LANE, TAVISTOCK, DEVON	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NRA-SW-7574 Permit Version: 1 Receiving Water: RIVER TAVY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/09/1995 Effective Date: 27/09/1995 Revocation Date: -
G	479m W	SIPHON TELEPHONE BOX CSO, WESTBRIDGE COTTAGES, TAVISTOCK, DEVON, PL19 8BY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 202240/CS/01 Permit Version: 2 Receiving Water: RIVER TAVY	Status: VARIED UNDER EPR 2010 Issue date: 06/03/2017 Effective Date: 31/03/2017 Revocation Date: -
G	480m W	SIPHON TELEPHONE BOX CSO, WESTBRIDGE COTTAGES, TAVISTOCK, DEVON, PL19 8BY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 202240/CS/01 Permit Version: 1 Receiving Water: RIVER TAVY(S)	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/06/2001 Effective Date: 26/06/2001 Revocation Date: 30/03/2017
G	481m NW	SIPHON TELEPHONE BOX CSO, WESTBRIDGE COTTAGES, TAVISTOCK, DEVON, PL19 8BY	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: NRA-SW-1575 Permit Version: 1 Receiving Water: RIVER TAVY	Status: REVOKED - UNSPECIFIED Issue date: 30/10/1989 Effective Date: 30/10/1989 Revocation Date: 31/03/2001

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	
D	195m SW	Incident Date: 21/08/2002 Incident Identification: 102181 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	208m S	Incident Date: 25/06/2001 Incident Identification: 11246 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	208m S	Incident Date: 25/06/2001 Incident Identification: 11246 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) 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

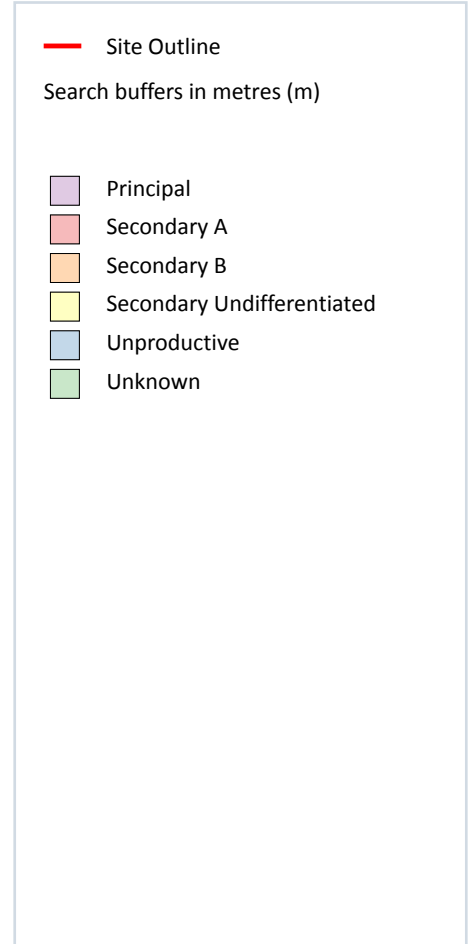
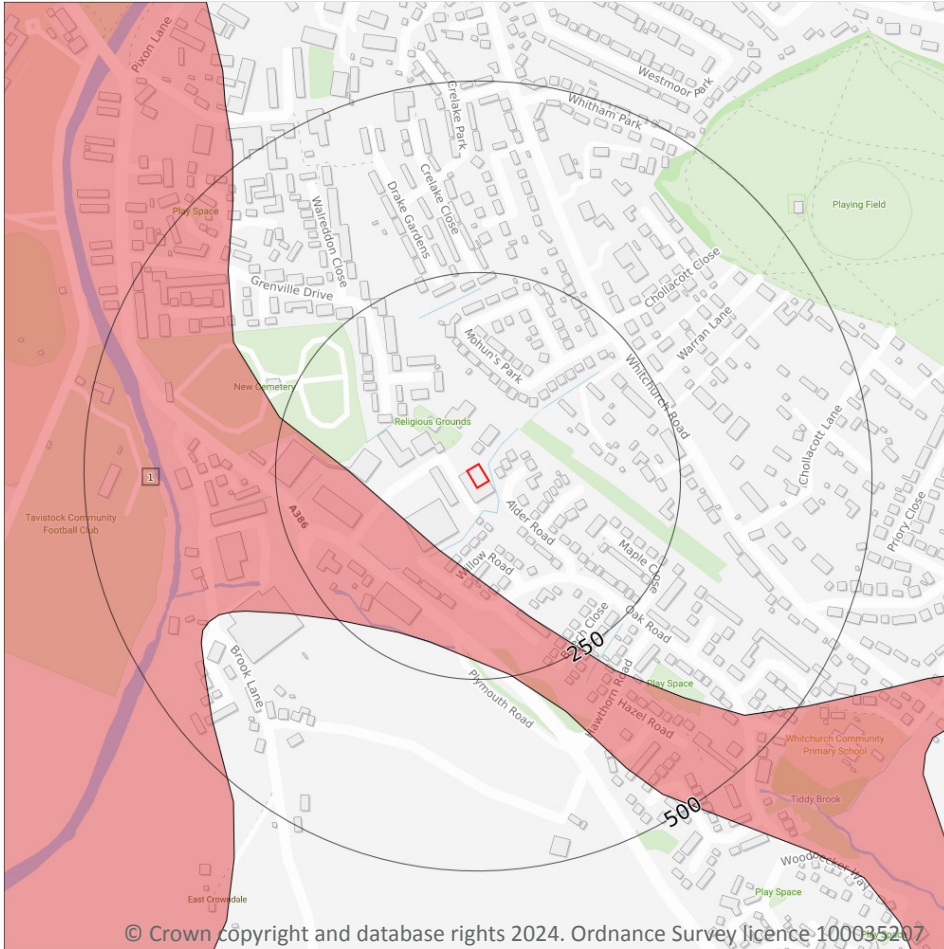
0

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

1

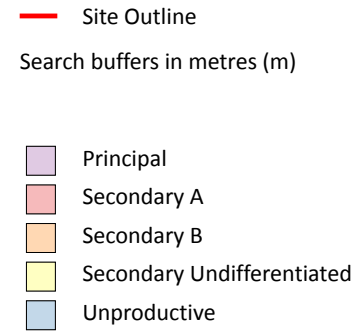
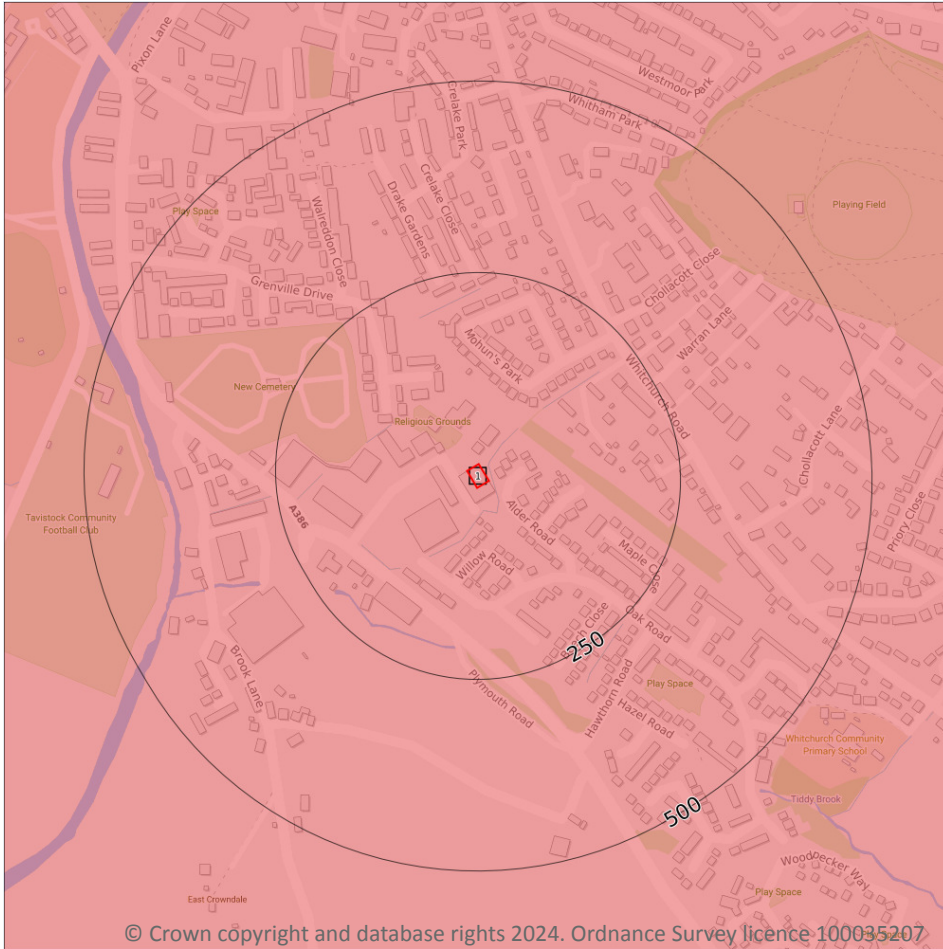
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 39](#) >

ID	Location	Designation	Description
1	94m 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

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

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

1

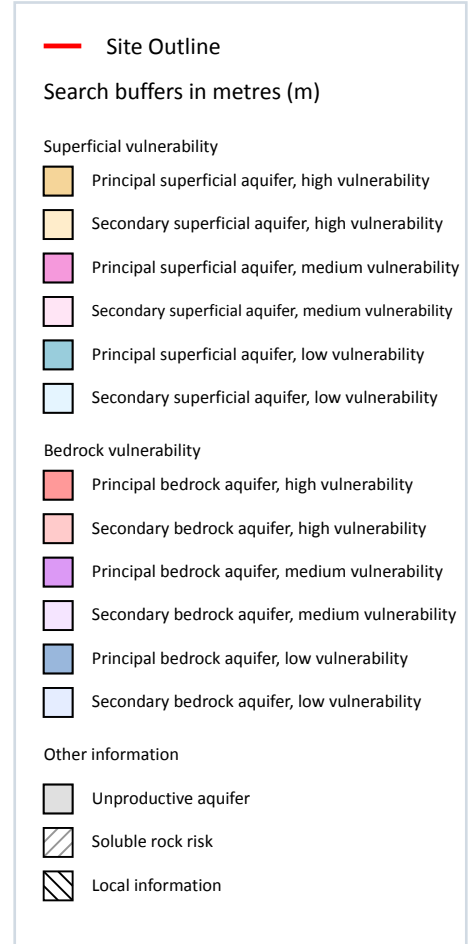
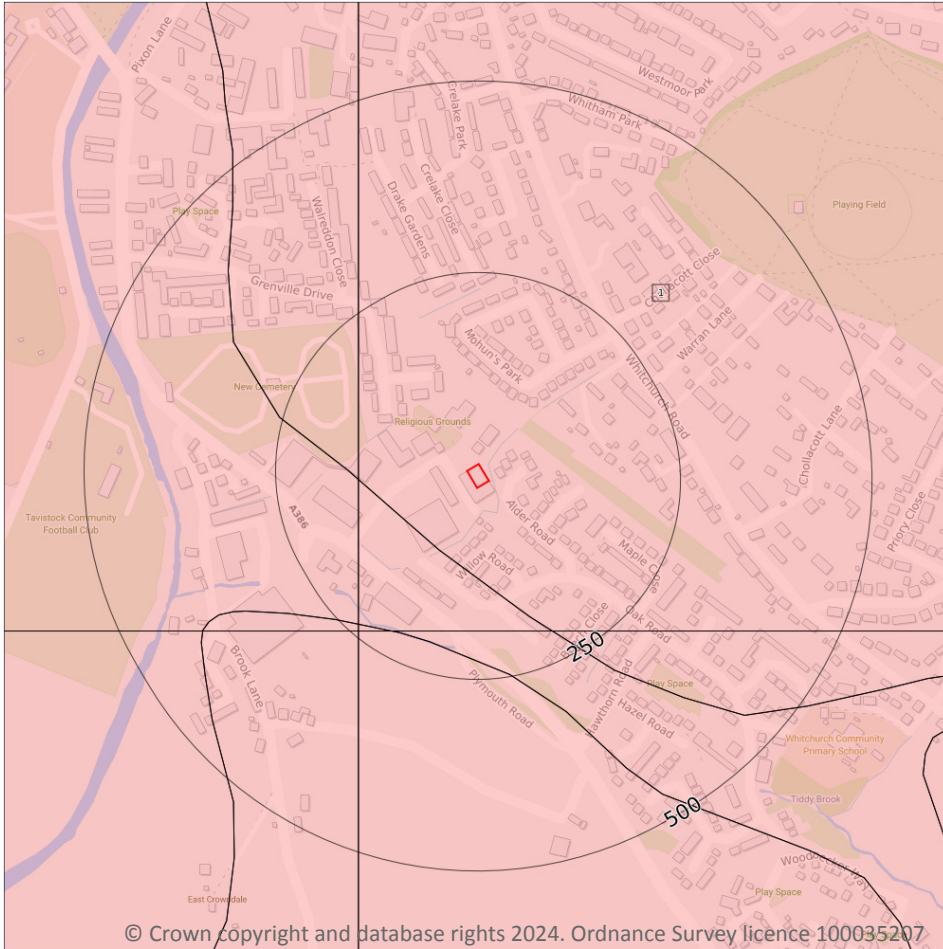
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 40 >](#)

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

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

1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

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

Features are displayed on the Groundwater vulnerability map on [page 41](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary 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

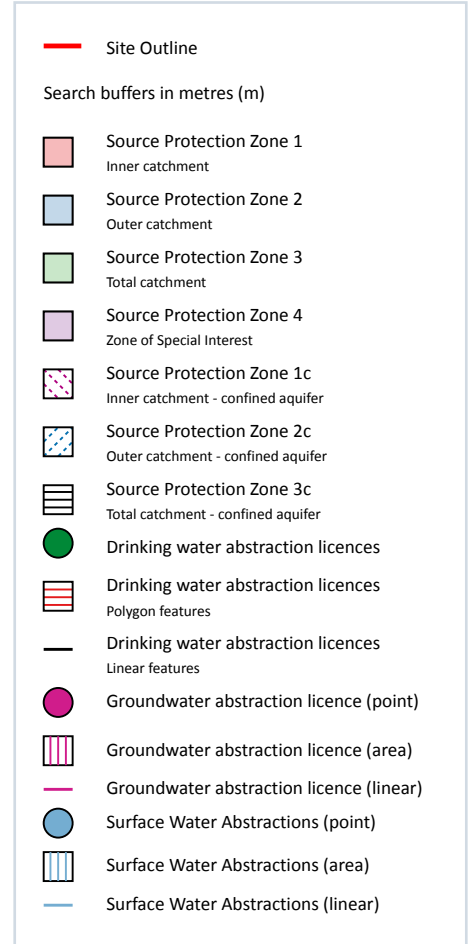
0

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



5.6 Groundwater abstractions

Records within 2000m

23

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 43 >](#)

ID	Location	Details	
-	905m S	Status: Historical Licence No: 15/47/041/G/024 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "ANDERTON FARM, TAVISTOCK - WELL" Data Type: Point Name: Willcock Easting: 248500 Northing: 72350	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1996 Version End Date: -
-	905m S	Status: Historical Licence No: 15/47/041/G/024 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: ANDERTON FARM, TAVISTOCK - WELL Data Type: Point Name: Willcock Easting: 248500 Northing: 72350	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1996 Version End Date: -
-	1079m SE	Status: Historical Licence No: 15/47/041/G/048 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "ANDERTON COTTAGE FARM, TAVISTOCK - WELL" Data Type: Point Name: Sainsbury Easting: 248900 Northing: 72400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 03/06/1983 Version End Date: -
-	1079m SE	Status: Historical Licence No: 15/47/041/G/048 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: ANDERTON COTTAGE FARM, TAVISTOCK - WELL Data Type: Point Name: Sainsbury Easting: 248900 Northing: 72400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 03/06/1983 Version End Date: -
-	1164m NE	Status: Historical Licence No: 15/47/041/G/093 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: "TAVISTOCK GOLF CLUB, TAVISTOCK" Data Type: Point Name: Tavistock Golf Club Easting: 249160 Northing: 73810	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/09/1996 Expiry Date: - Issue No: 100 Version Start Date: 26/09/1996 Version End Date: -



ID	Location	Details	
-	1164m NE	Status: Historical Licence No: 15/47/041/G/093 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: TAVISTOCK GOLF CLUB, TAVISTOCK Data Type: Point Name: Tavistock Golf Club Easting: 249160 Northing: 73810	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/09/1996 Expiry Date: - Issue No: 100 Version Start Date: 26/09/1996 Version End Date: -
-	1341m SE	Status: Historical Licence No: 15/47/041/G/032 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "WOODTOWN FARM,WHITCHURCH - WELL" Data Type: Point Name: Stephens Easting: 248720 Northing: 71970	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/01/1996 Version End Date: -
-	1341m SE	Status: Historical Licence No: 15/47/041/G/032 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WOODTOWN FARM,WHITCHURCH - WELL Data Type: Point Name: Stephens Easting: 248720 Northing: 71970	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/01/1996 Version End Date: -
-	1408m S	Status: Historical Licence No: 15/47/041/G/074 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - Fresh Point: HIGHER WOODTOWN Data Type: Point Name: Short Easting: 248400 Northing: 71800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/08/1982 Expiry Date: - Issue No: 101 Version Start Date: 07/03/2001 Version End Date: -
-	1408m S	Status: Historical Licence No: 15/47/041/G/074 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: HIGHER WOODTOWN Data Type: Point Name: Short Easting: 248400 Northing: 71800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/08/1982 Expiry Date: - Issue No: 101 Version Start Date: 07/03/2001 Version End Date: -



ID	Location	Details	
-	1687m S	Status: Historical Licence No: 15/47/041/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "ANDERTON FARM, TAVISTOCK - WELL" Data Type: Point Name: Willcock Easting: 248200 Northing: 71500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1996 Version End Date: -
-	1687m S	Status: Historical Licence No: 15/47/041/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: ANDERTON FARM, TAVISTOCK - WELL Data Type: Point Name: Willcock Easting: 248200 Northing: 71500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1996 Version End Date: -
-	1845m W	Status: Historical Licence No: 15/47/041/G/037 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "PARSWELL FARM, TAVISTOCK - BOREHOLE" Data Type: Point Name: Blatchford Easting: 246300 Northing: 73090	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	1845m W	Status: Historical Licence No: 15/47/041/G/037 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: PARSWELL FARM, TAVISTOCK - BOREHOLE Data Type: Point Name: Blatchford Easting: 246300 Northing: 73090	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	1853m W	Status: Historical Licence No: 15/47/041/G/021 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "HIGHER PARSWELL FARM, TAVISTOCK - WELL" Data Type: Point Name: Blatchford Easting: 246300 Northing: 73000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -



ID	Location	Details	
-	1853m W	Status: Historical Licence No: 15/47/041/G/021 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: HIGHER PARSWELL FARM, TAVISTOCK - WELL Data Type: Point Name: Blatchford Easting: 246300 Northing: 73000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1893m S	Status: Historical Licence No: 15/47/041/G/059 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "LOWER WALREDDON FARM, WHITCHURCH - TAPPED SPRING" Data Type: Point Name: Ranger Investment Limited Easting: 248000 Northing: 71300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/07/1979 Expiry Date: - Issue No: 101 Version Start Date: 21/03/2003 Version End Date: -
-	1893m S	Status: Historical Licence No: 15/47/041/G/059 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: LOWER WALREDDON FARM, WHITCHURCH - TAPPED SPRING Data Type: Point Name: Ranger Investment Easting: 248000 Northing: 71300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/07/1979 Expiry Date: - Issue No: 102 Version Start Date: 08/03/2005 Version End Date: -
-	1924m E	Status: Historical Licence No: 15/47/041/G/041 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "HOLWELL MANOR, WHITCHURCH - WELL" Data Type: Point Name: Madgwick Easting: 250000 Northing: 72600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/05/1966 Version End Date: -
-	1924m E	Status: Historical Licence No: 15/47/041/G/041 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: HOLWELL MANOR, WHITCHURCH - WELL Data Type: Point Name: Madgwick Easting: 250000 Northing: 72600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/05/1966 Version End Date: -



ID	Location	Details	
-	1967m W	Status: Historical Licence No: 15/47/041/G/030 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CREASE FARM - BOREHOLE Data Type: Point Name: Parsons Easting: 246300 Northing: 73900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 07/11/1984 Version End Date: -
-	1977m NW	Status: Historical Licence No: 15/47/041/G/047 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "LONGSTONE FARM, TAVISTOCK - WELL" Data Type: Point Name: Willcock & Son Easting: 247300 Northing: 75000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	1977m NW	Status: Historical Licence No: 15/47/041/G/047 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: LONGSTONE FARM, TAVISTOCK - WELL Data Type: Point Name: Willcock & Son Easting: 247300 Northing: 75000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

7

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 43 >](#)



ID	Location	Details	
-	1083m N	Status: Active Licence No: 15/47/041/S/026 Details: General Farming & Domestic Direct Source: Surface Water - Fresh Point: R TAVY AT ABBEY WEIR Data Type: Point Name: South West Water Services Ltd Easting: 248200 Northing: 74300	Annual Volume (m ³): 36368327 Max Daily Volume (m ³): 106385.91 Original Application No: 8159 Original Start Date: 31/03/1967 Expiry Date: - Issue No: 100 Version Start Date: 09/04/1997 Version End Date: -
-	1083m N	Status: Active Licence No: 15/47/041/S/026 Details: Process Water Direct Source: Surface Water - Fresh Point: R TAVY AT ABBEY WEIR Data Type: Point Name: South West Water Services Ltd Easting: 248200 Northing: 74300	Annual Volume (m ³): 36368327 Max Daily Volume (m ³): 106385.91 Original Application No: 8159 Original Start Date: 31/03/1967 Expiry Date: - Issue No: 100 Version Start Date: 09/04/1997 Version End Date: -
-	1083m N	Status: Active Licence No: 15/47/041/S/026 Details: Hydroelectric Power Generation Direct Source: Surface Water - Fresh Point: R TAVY AT ABBEY WEIR Data Type: Point Name: South West Water Services Ltd Easting: 248200 Northing: 74300	Annual Volume (m ³): 36368327 Max Daily Volume (m ³): 106385.91 Original Application No: 8159 Original Start Date: 31/03/1967 Expiry Date: - Issue No: 100 Version Start Date: 09/04/1997 Version End Date: -
-	1931m NE	Status: Historical Licence No: 15/47/041/S/044 Details: Supply to a Leat for Throughflow Direct Source: Surface Water - Fresh Point: "TAVITON MILL HOSE, TAVISTOCK" Data Type: Point Name: Hudson Easting: 249850 Northing: 74150	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/06/1992 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1992 Version End Date: -
-	1931m NE	Status: Historical Licence No: 15/47/041/S/044 Details: Supply To A Leat For Throughflow Direct Source: Surface Water - Fresh Point: TAVITON MILL HOSE, TAVISTOCK Data Type: Point Name: Hudson Easting: 249850 Northing: 74150	Annual Volume (m ³): 617328 Max Daily Volume (m ³): 1728 Original Application No: 12079 Original Start Date: 30/06/1992 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1992 Version End Date: -



ID	Location	Details	
-	1990m NE	Status: Active Licence No: 15/47/041/S/046 Details: Fish Farm/Cress Pond Throughflow Direct Source: Surface Water - Fresh Point: MOUNT TAVY COTTAGE, TAVISTOCK - POINT C Data Type: Point Name: Moule Easting: 249390 Northing: 74780	Annual Volume (m ³): 1418405 Max Daily Volume (m ³): 9936 Original Application No: 12143 Original Start Date: 23/10/1992 Expiry Date: - Issue No: 100 Version Start Date: 25/02/1999 Version End Date: -
-	1990m NE	Status: Historical Licence No: 15/47/041/S/046 Details: Fish Farm/Cress Pond Throughflow Direct Source: Surface Water - Fresh Point: "MOUNT TAVY COTTAGE, TAVISTOCK - POINT C" Data Type: Point Name: G H & J E Moule Easting: 249390 Northing: 74780	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/10/1992 Expiry Date: - Issue No: 100 Version Start Date: 25/02/1999 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

1

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.

Features are displayed on the Abstractions and Source Protection Zones map on [page 43 >](#)

ID	Location	Details	
-	1408m S	Status: Historical Licence No: 15/47/041/G/074 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - Fresh Point: HIGHER WOODTOWN Data Type: Point Name: Short Easting: 248400 Northing: 71800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/08/1982 Expiry Date: - Issue No: 101 Version Start Date: 07/03/2001 Version End Date: -

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)

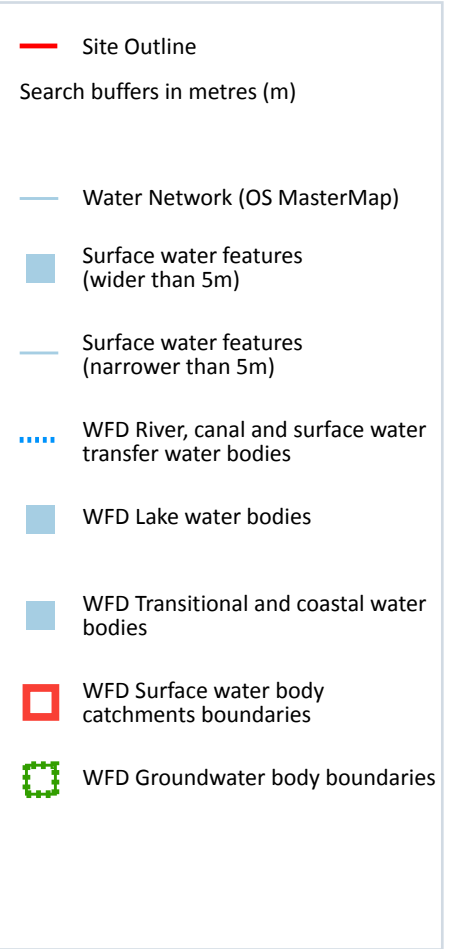
Records within 500m

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

10

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
A	8m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	115m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	116m NW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
4	136m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
6	167m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
C	189m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	205m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	208m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tiddy Brook
E	224m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	229m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tiddy Brook

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

8

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
A	On site	River	Lower River Tavy	GB108047007840	Tavy	Tamar

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
12	391m W	River	Lower River Tavy	GB108047007840 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

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

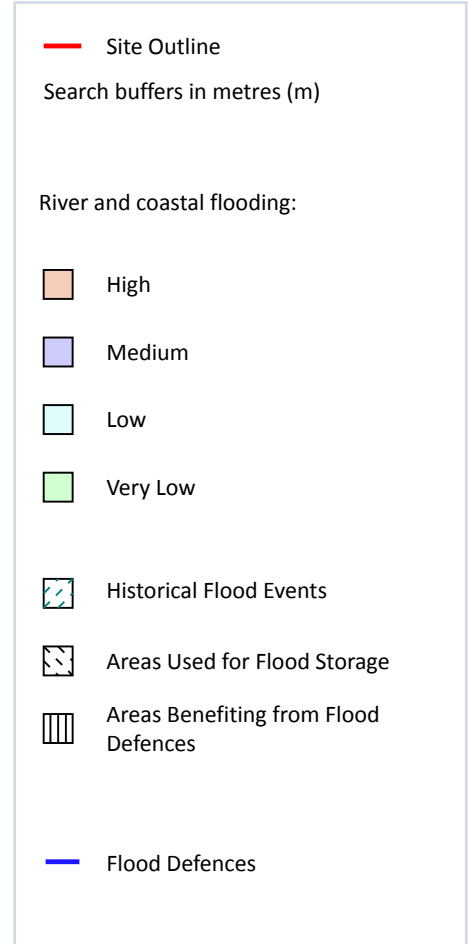
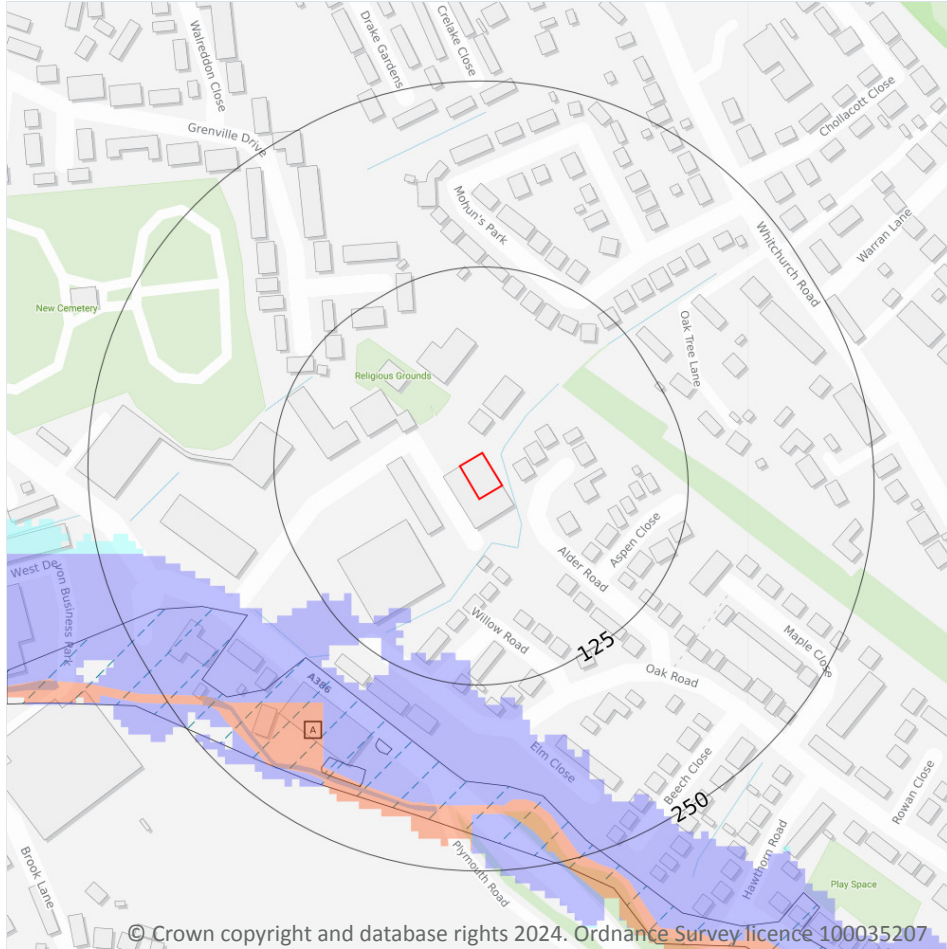
Features are displayed on the Hydrology map on [page 52 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Tamar	GB40802G806700 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

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

3

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 56 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
A	156m SW	Cw0300 - Tavistock	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial
A	175m S	Cw9589 - Tavistock	2018-11-09 2018-11-09	Main river	Overtopping of defences	Fluvial
A	198m S	Cw9589 - Tavistock	2018-11-09 2018-11-09	Main river	Overtopping of defences	Fluvial

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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



7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

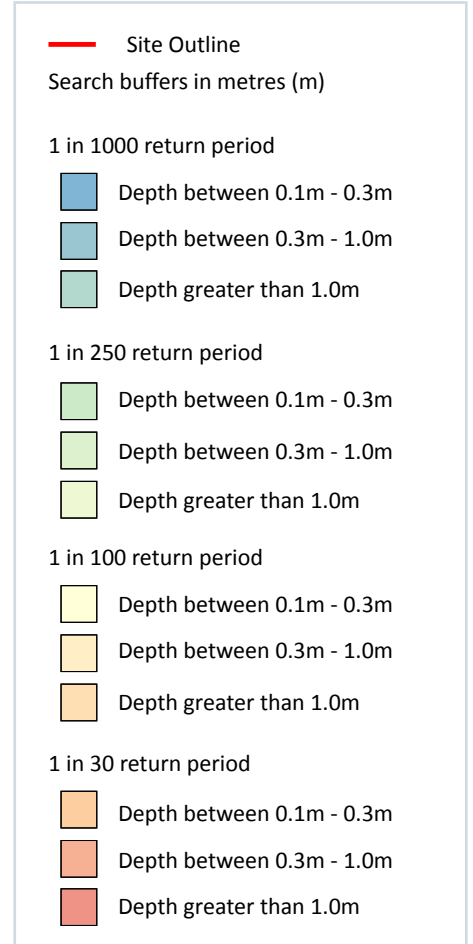
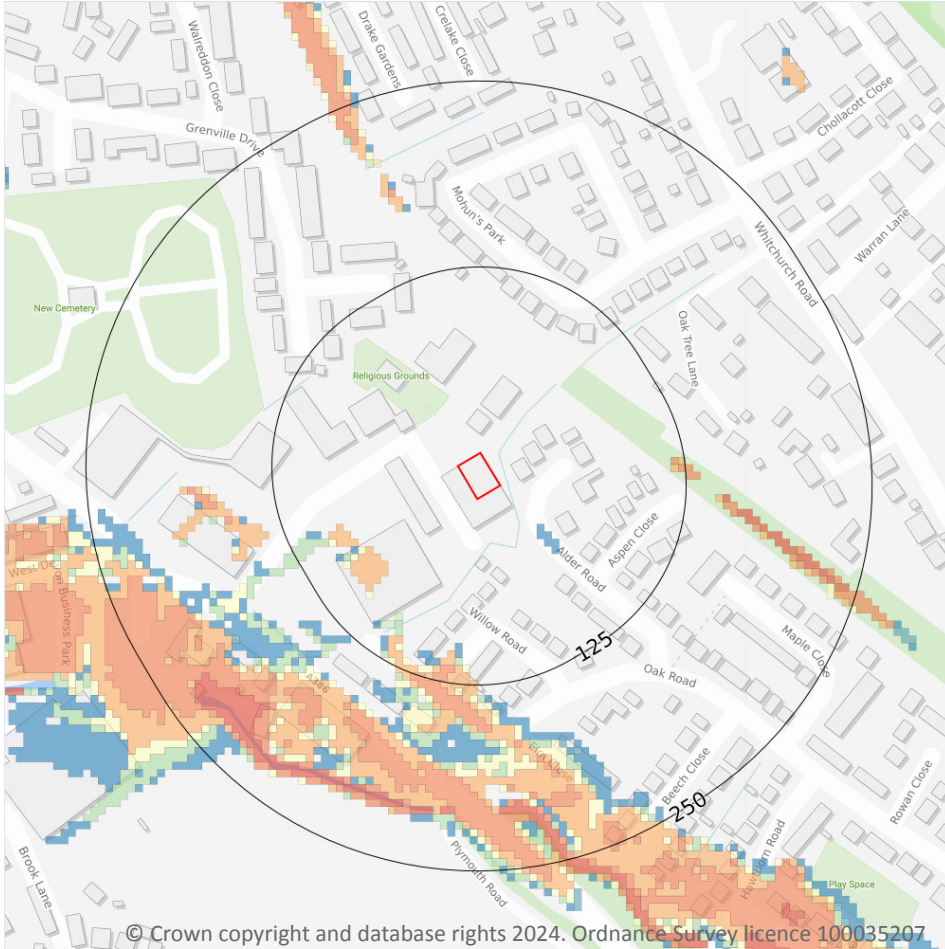
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 1000 year, 0.1m - 0.3m

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 60 >](#)

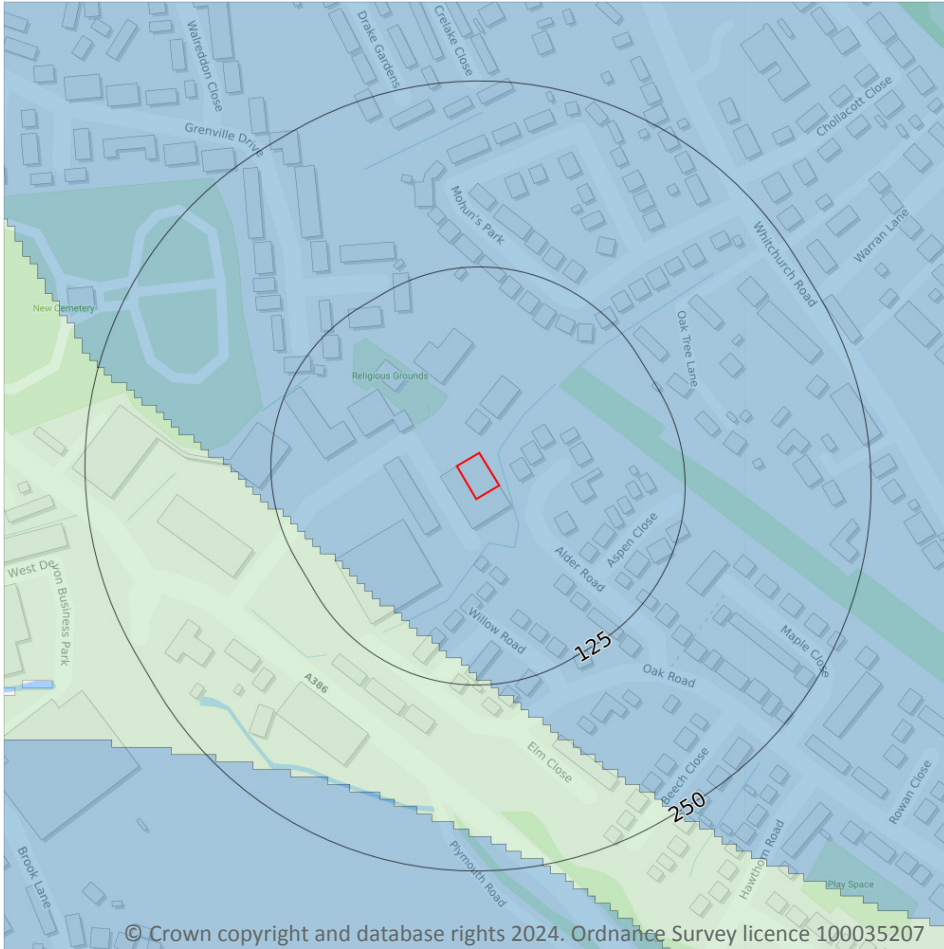
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

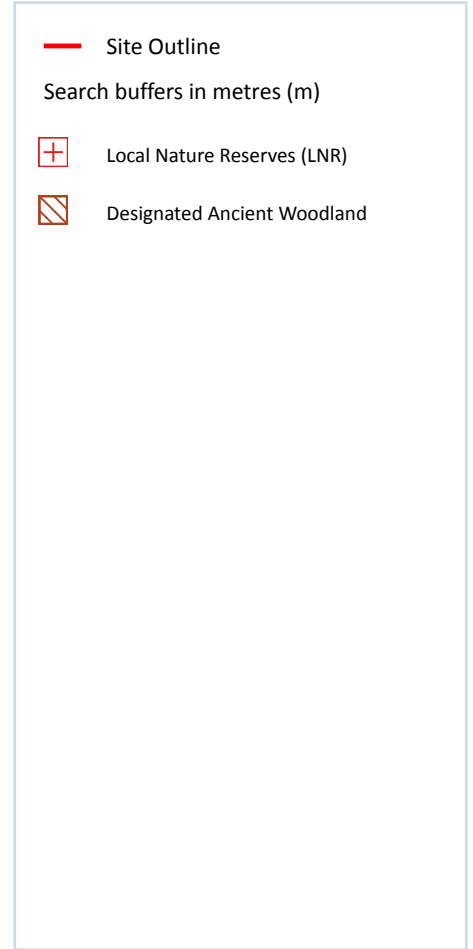
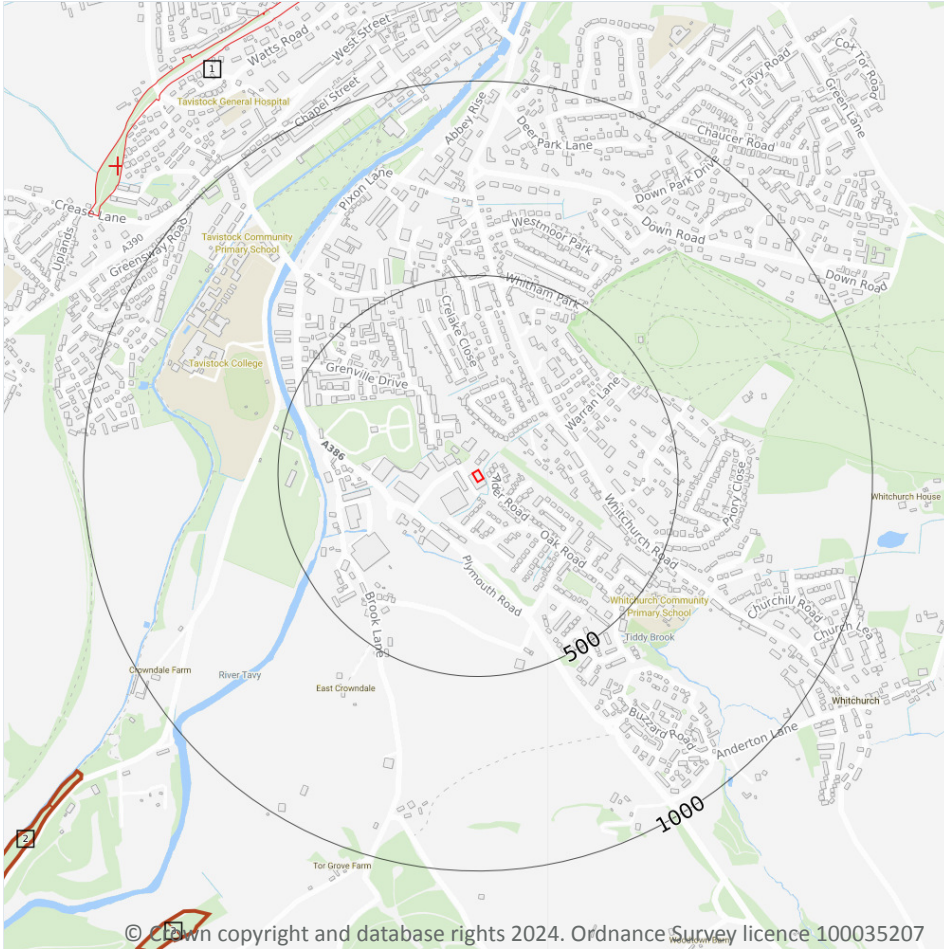
Negligible

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

Features are displayed on the Groundwater flooding map on [page 62 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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.

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 63 >](#)

ID	Location	Name	Data source
1	1168m NW	Tavistock Viaduct Walk	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

4

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on [page 63 >](#)

ID	Location	Name	Woodland Type
2	1266m SW	Crowndale Wood	Ancient & Semi-Natural Woodland
3	1309m SW	Unknown	Ancient & Semi-Natural Woodland
-	1723m SW	Langham/round Woods	Ancient Replanted Woodland
-	1926m SW	Langham/round Woods	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

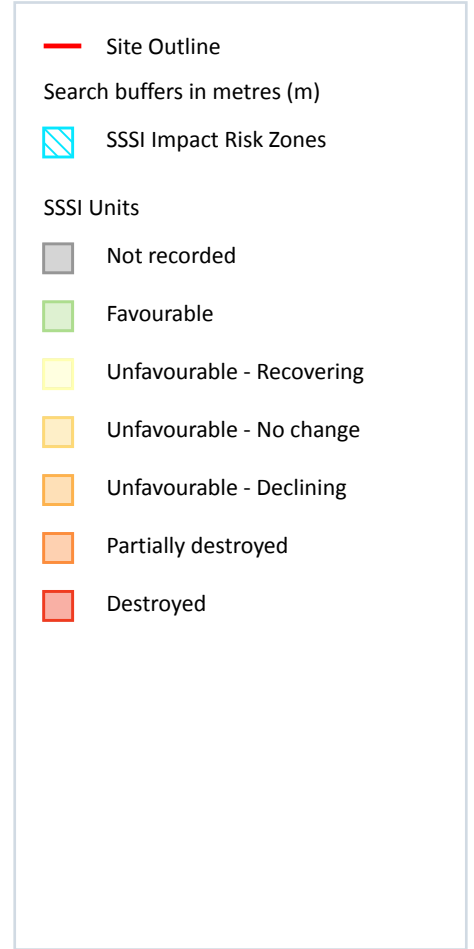
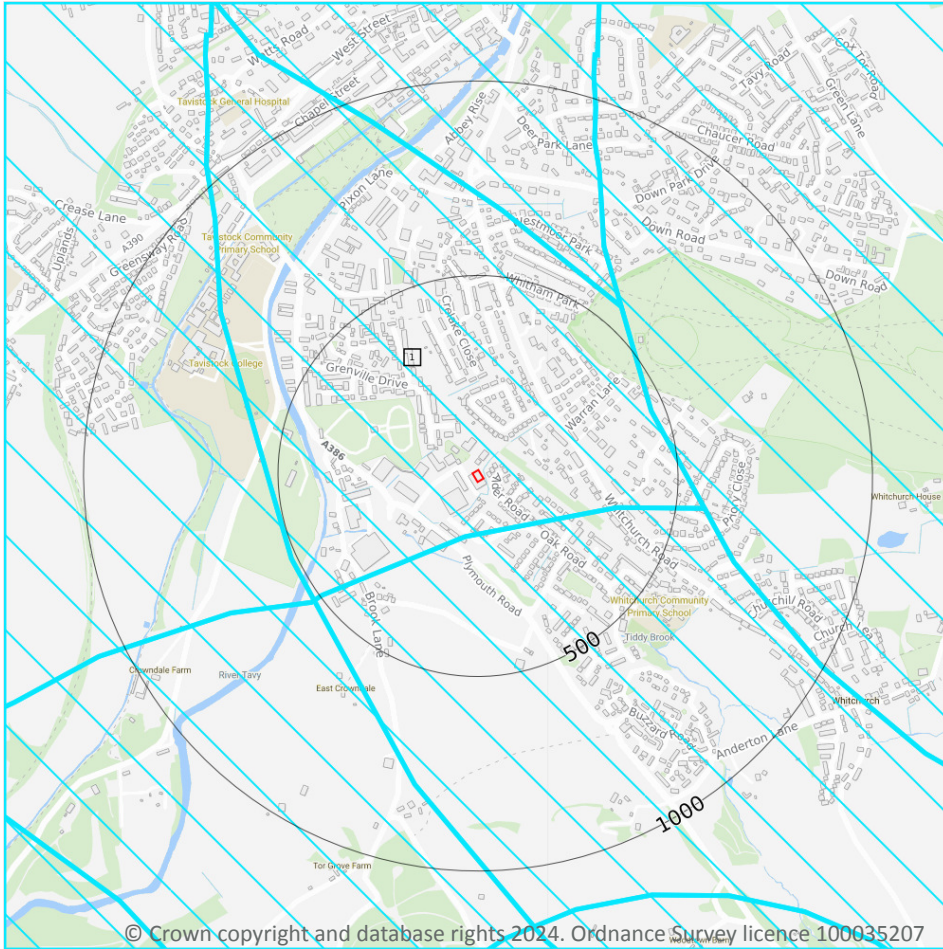
0

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

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 68](#) >

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t).</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>

This data is sourced from Natural England.

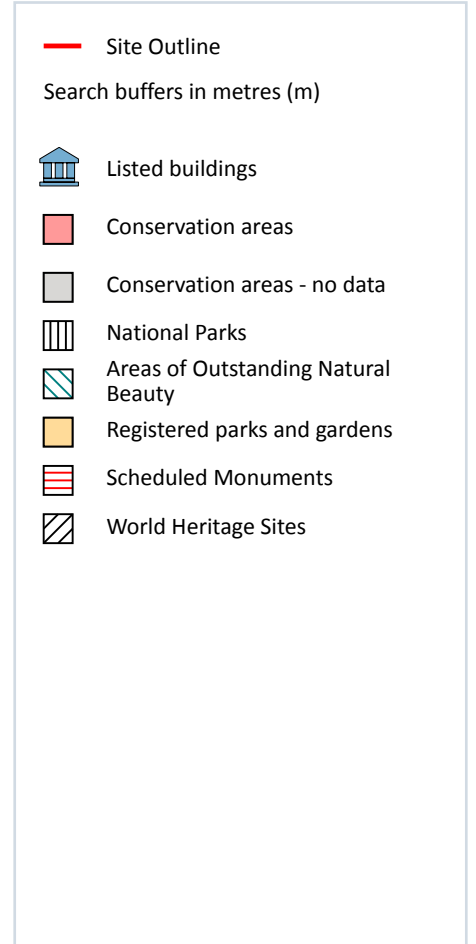
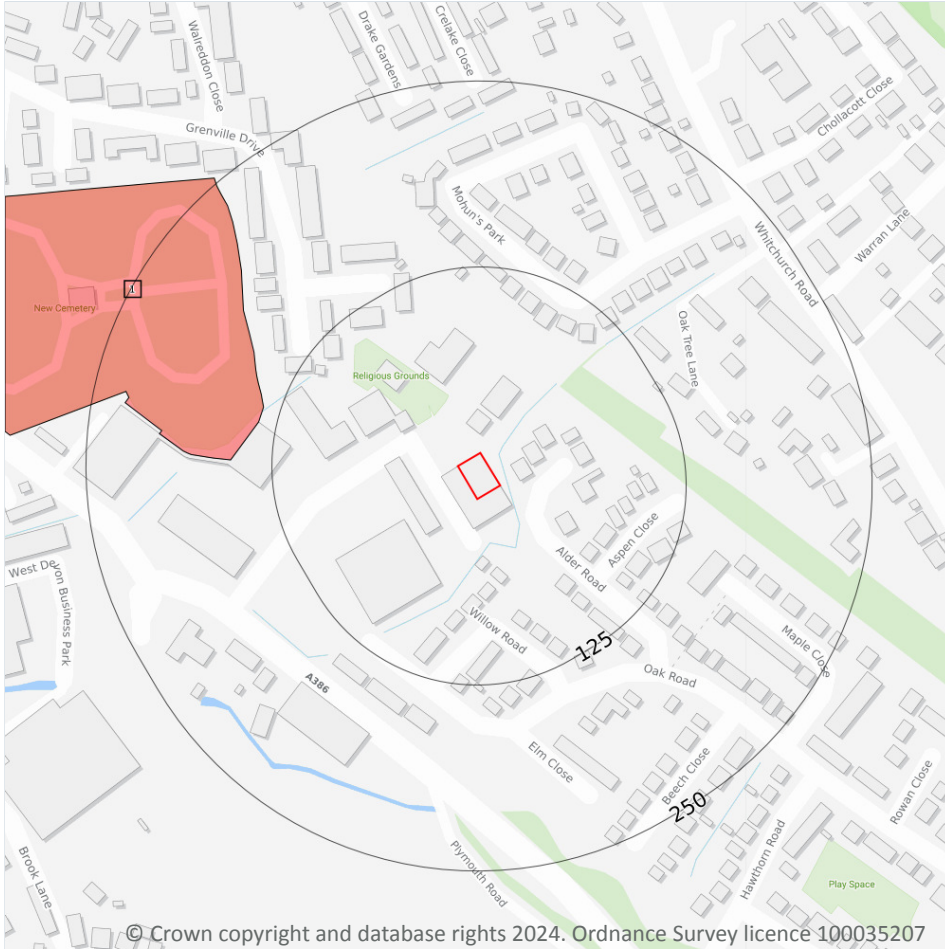
10.18 SSSI Units

Records within 2000m	0
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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.

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

11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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

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

11.5 Conservation Areas

Records within 250m

1

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



Features are displayed on the Visual and cultural designations map on [page 70 >](#)

ID	Location	Name	District	Date of designation
1	137m W	Tavistock	West Devon	01/01/1972

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

11.6 Scheduled Ancient Monuments

Records within 250m	0
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A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

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

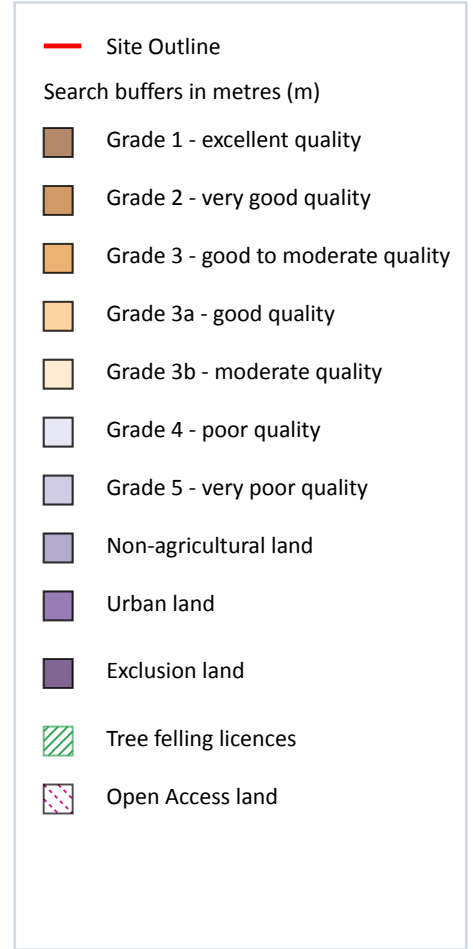
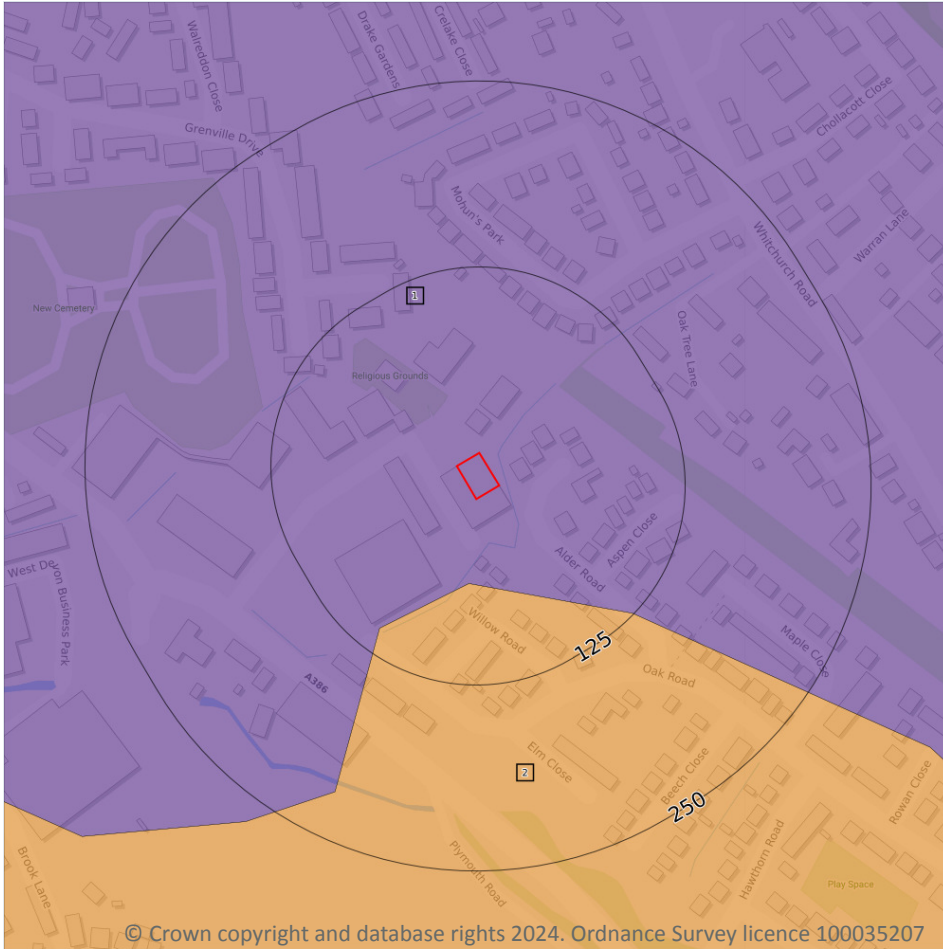
11.7 Registered Parks and Gardens

Records within 250m	0
----------------------------	----------

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

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

12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

2

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 73](#) >

ID	Location	Classification	Description
1	On site	Urban	-
2	57m S	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

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

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

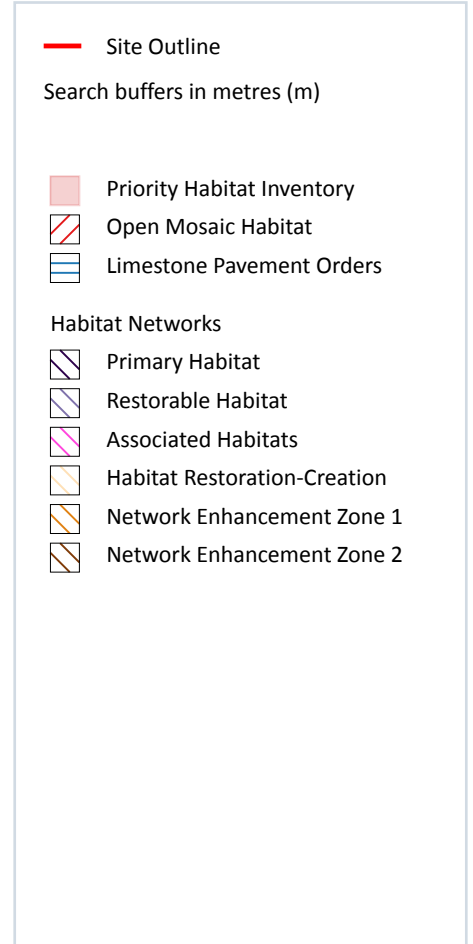
0

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



13.1 Priority Habitat Inventory

Records within 250m

1

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 75 >](#)

ID	Location	Main Habitat	Other habitats
1	70m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 77](#) >

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

This data is sourced from the British Geological Survey.

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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 81](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW337_tavistock_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

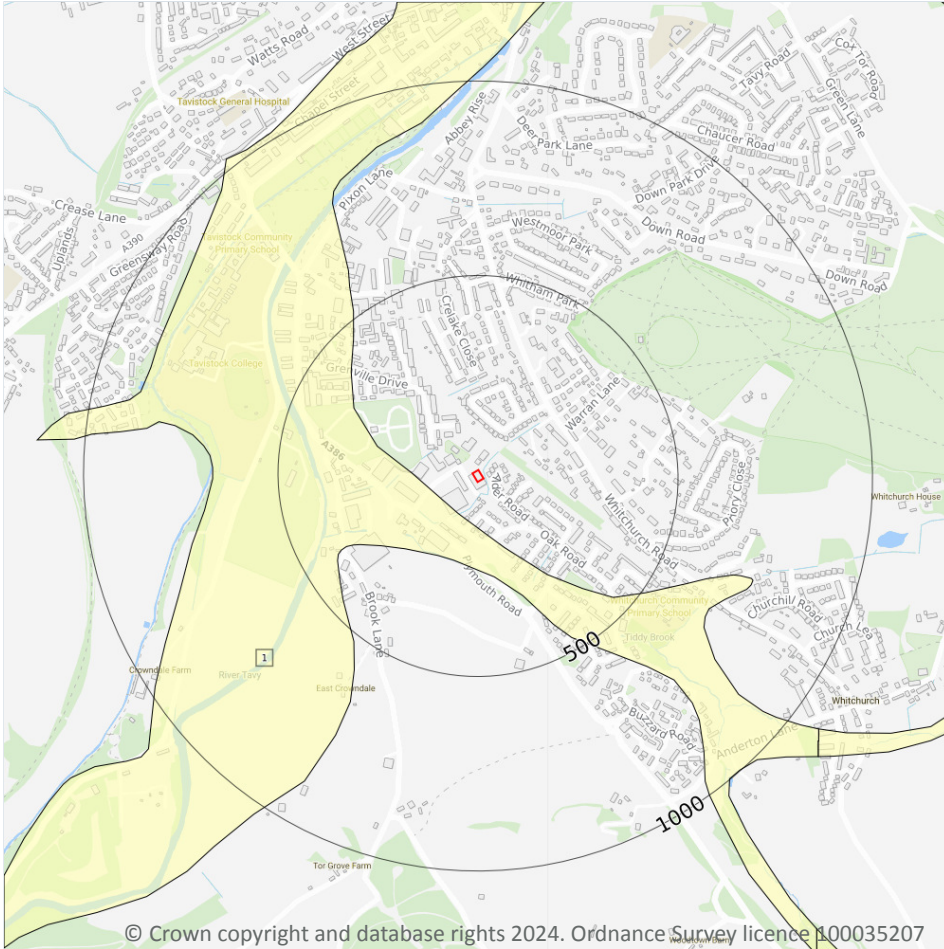
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- ▨ Landlip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 83](#) >

ID	Location	LEX Code	Description	Rock description
1	94m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, 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

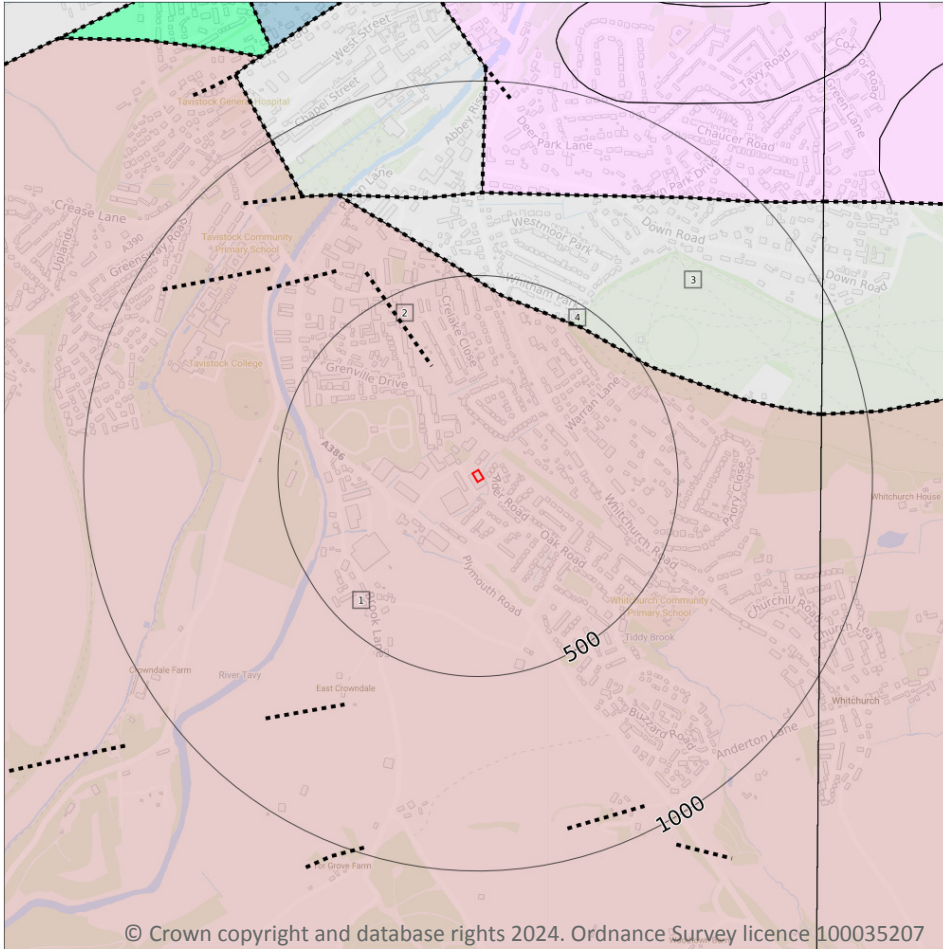
0

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

2

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 85 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	TVY-SLTE	TAVY FORMATION - SLATE	FRANSIAN
3	438m N	SME-SDAR	ST MELLION FORMATION - SANDSTONE AND [SUBEQUAL/SUBORDINATE] ARGILLACEOUS ROCKS, INTERBEDDED	TOURNAISIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

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 85](#) >

ID	Location	Category	Description
2	293m NW	MINERAL_VEIN	Mineral vein, observed
4	438m N	FAULT	Reverse or thrust fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes

16.1 BGS Boreholes

Records within 250m

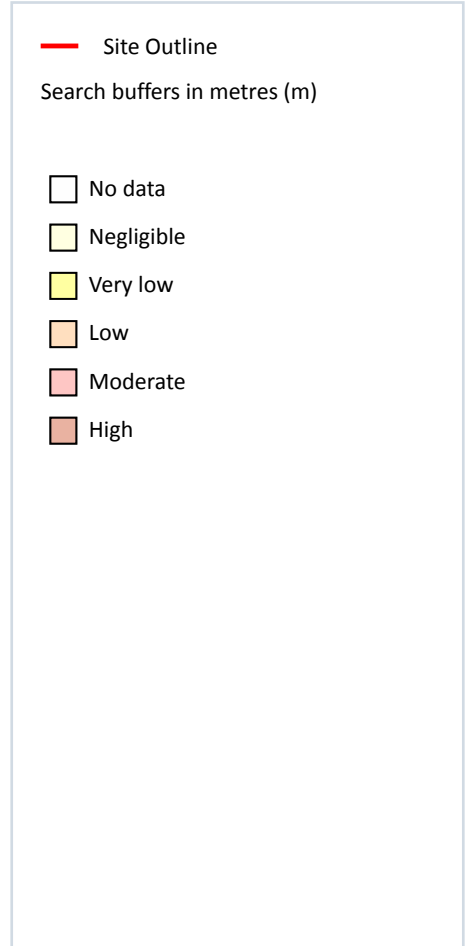
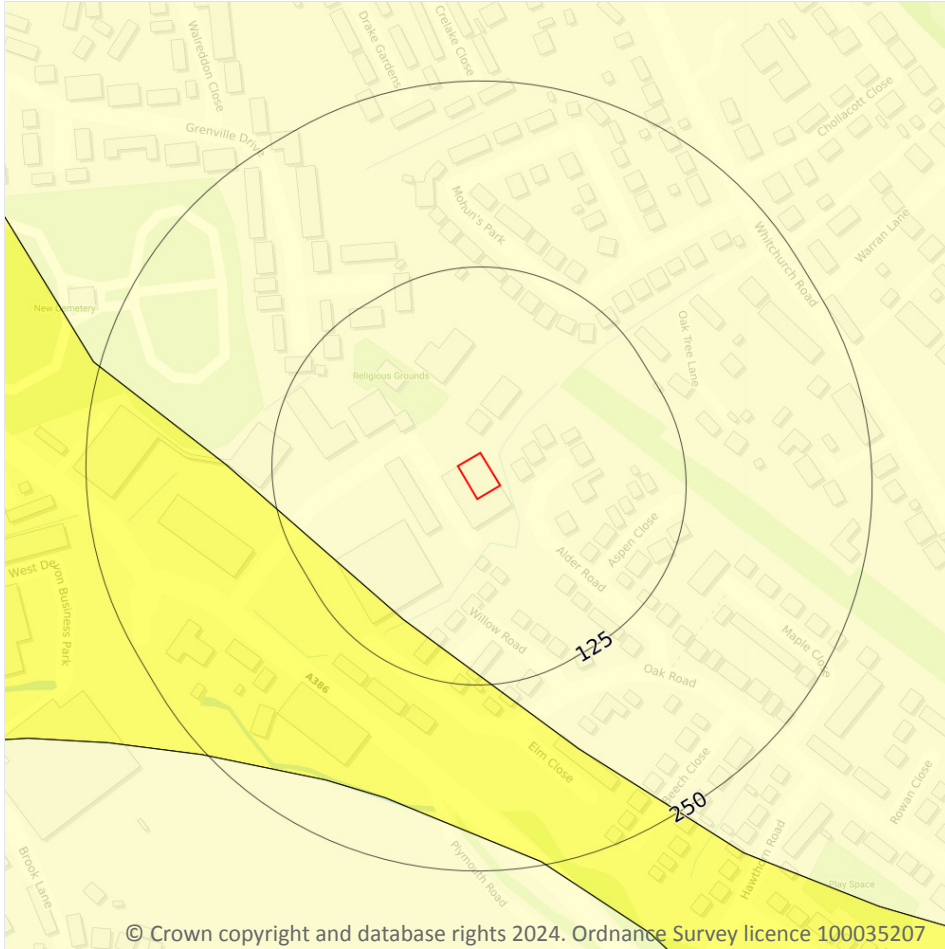
0

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

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

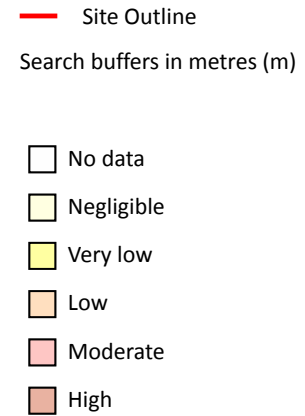
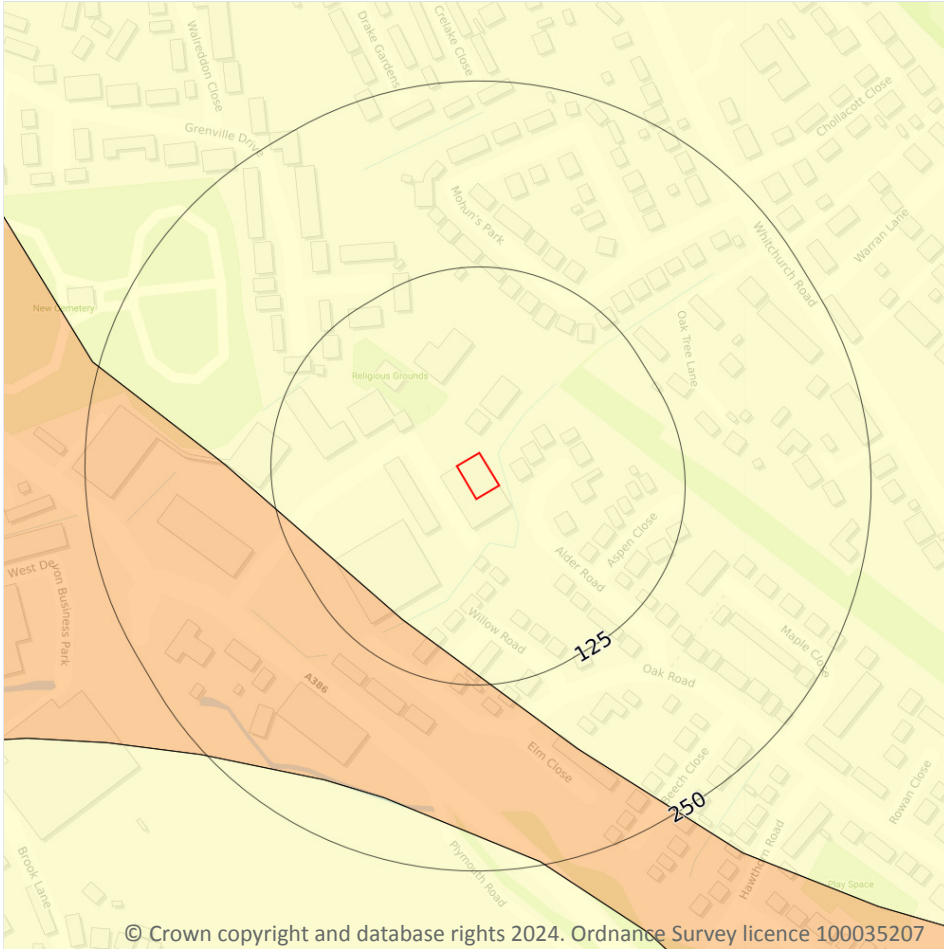
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 88 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

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

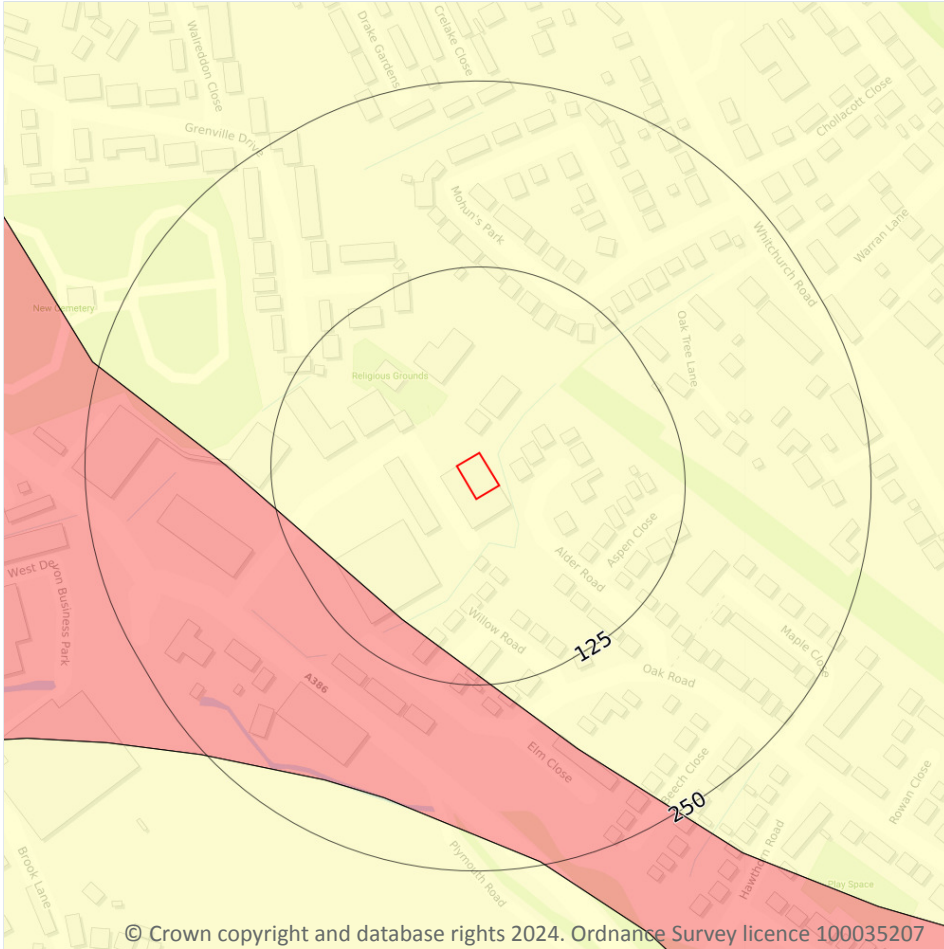
Features are displayed on the Natural ground subsidence - Running sands map on [page 89](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



— Site Outline
Search buffers in metres (m)

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

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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.

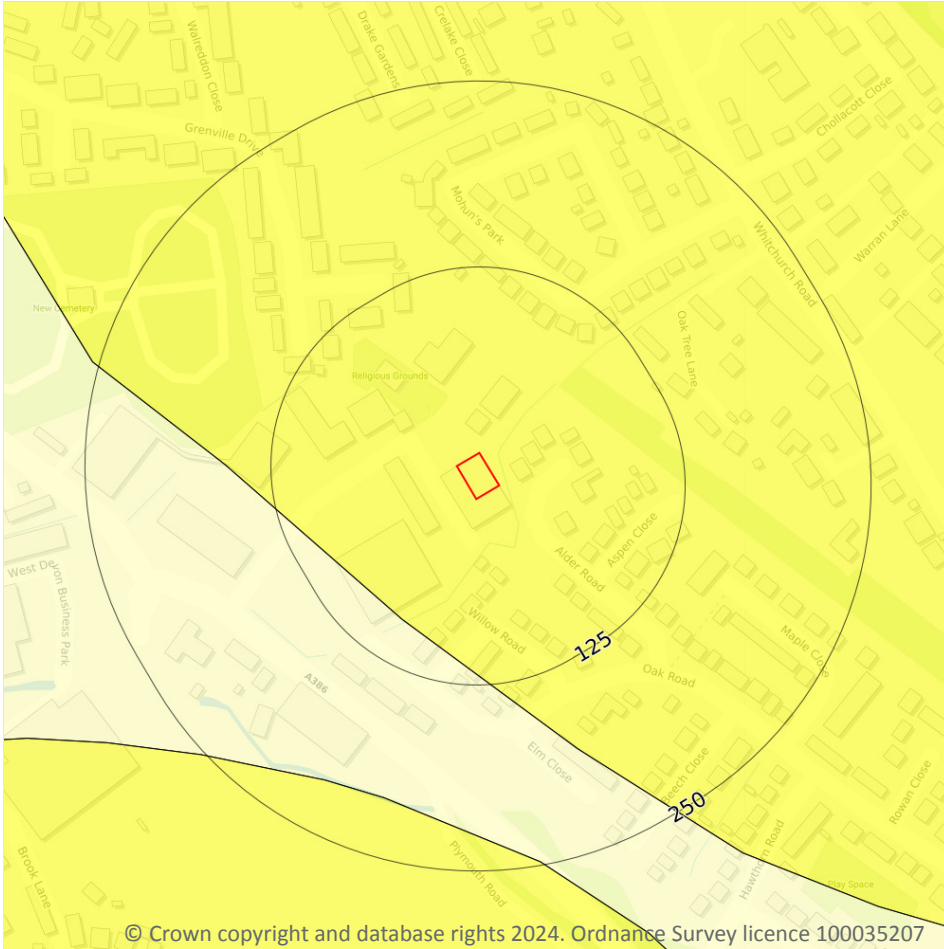
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 90 >](#)

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



17.4 Collapsible deposits

Records within 50m

1

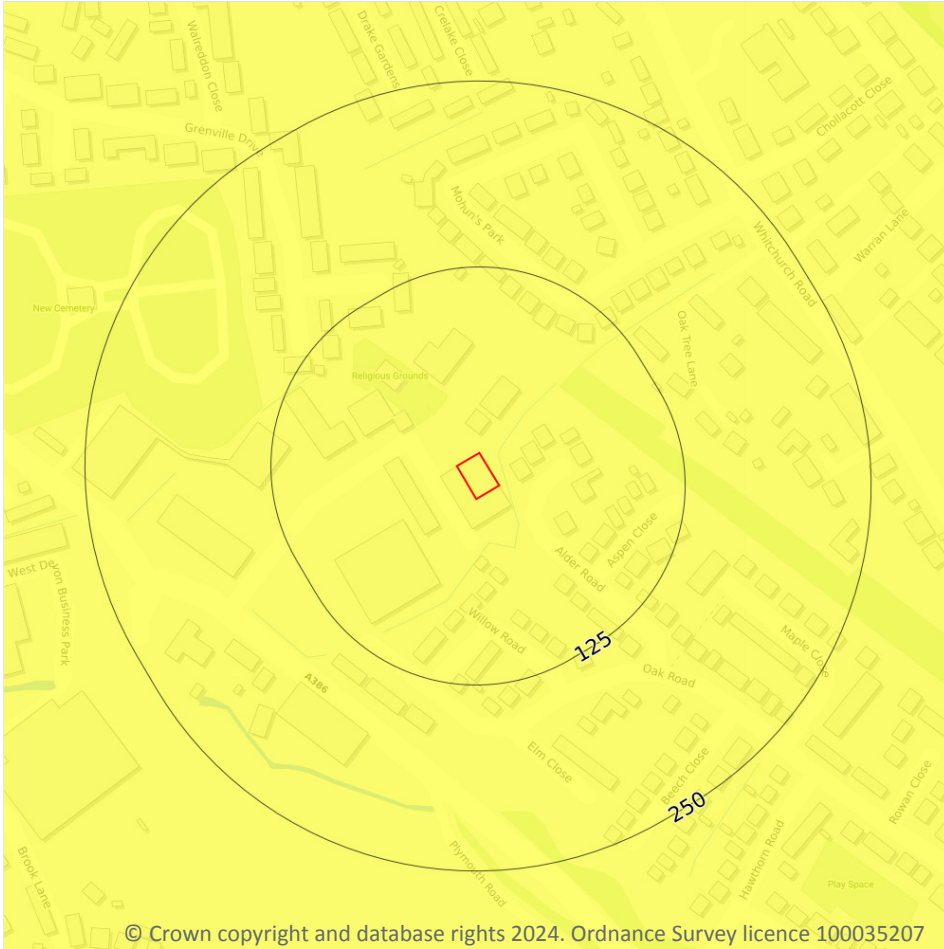
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 91 >](#)

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

1

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

Features are displayed on the Natural ground subsidence - Landslides map on [page 92 >](#)

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

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 93](#)

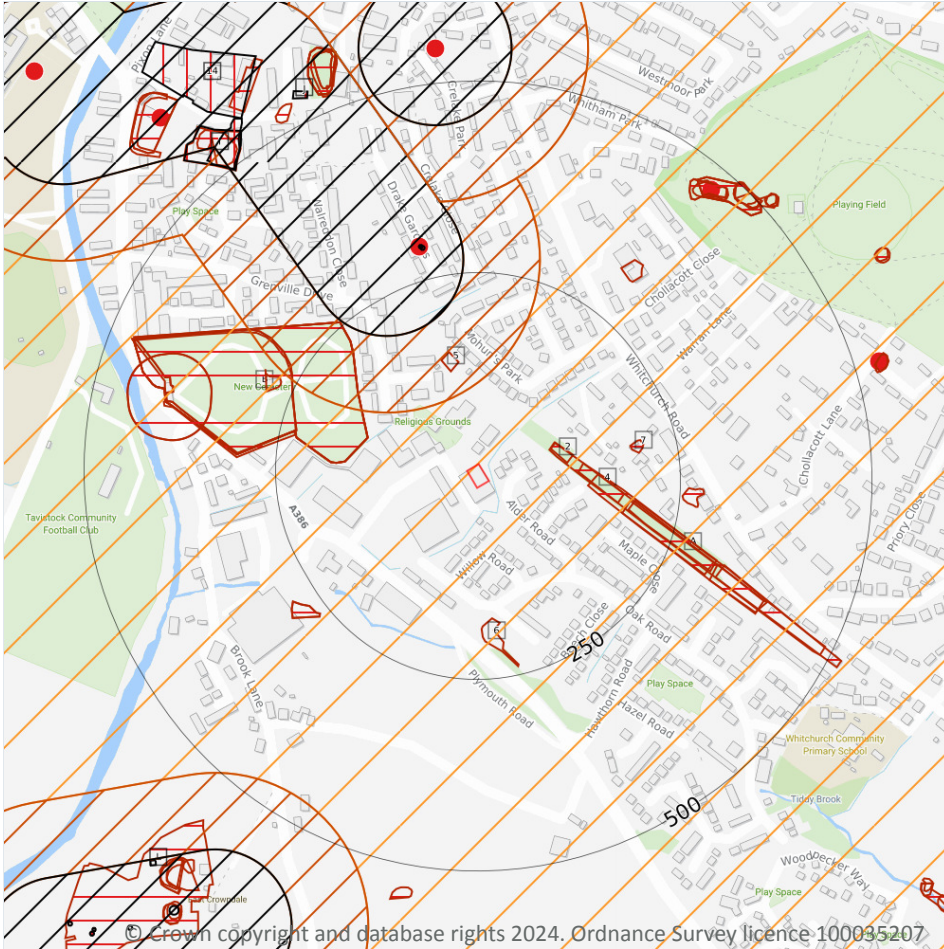


Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

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

3

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 95 >](#)

ID	Location	Details	Description
E	294m N	Name: Crelake Mine Address: TAVISTOCK, Devon Commodity: Silver Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	294m N	Name: Crelake Mine Address: TAVISTOCK, Devon Commodity: Lead Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) 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
H	469m NE	Name: Chollacott Address: TAVISTOCK, Devon Commodity: Sandstone 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	16
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Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 95 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	89m E	Cuttings	1955	1:10560
2	91m E	Cuttings	1883	1:10560
4	118m E	Cuttings	1883	1:10560
5	126m N	Cuttings	1883	1:10560
A	129m E	Cuttings	1905	1:10560
B	137m W	Cemetery	1982	1:10000
B	137m W	Cemetery	1988	1:10000
B	137m W	Cemetery	1970	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	137m W	Cemetery	1955	1:10560
6	171m S	Pond	1883	1:10560
A	179m E	Cuttings	1938	1:10560
A	186m E	Cuttings	1883	1:10560
7	190m E	Unspecified Ground Workings	1883	1:10560
B	228m W	Cemetery	1905	1:10560
B	229m W	Cemetery	1883	1:10560
B	229m W	Cemetery	1938	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

31

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

Features are displayed on the Mining and ground workings map on [page 95 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
E	289m N	Unspecified Old Shaft	1905	1:10560
E	292m N	Unspecified Old Shaft	1883	1:10560
I	495m NW	Disused Copper Mine	1905	1:10560
I	497m NW	Disused Copper Mine	1883	1:10560
J	528m NW	Unspecified Old Shaft	1883	1:10560
14	547m NW	Disused Copper Mine	1955	1:10560
L	642m SW	Unspecified Shaft	1883	1:10560
L	673m SW	Unspecified Old Shafts	1883	1:10560
L	728m SW	Unspecified Old Shaft	1905	1:10560
L	761m SW	Unspecified Old Shafts	1883	1:10560
L	766m SW	Unspecified Old Shaft	1905	1:10560
L	776m SW	Unspecified Old Shaft	1905	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	778m S	Disused Tin Mine	1883	1:10560
-	778m S	Disused Tin Mines	1905	1:10560
-	842m S	Unspecified Old Shaft	1955	1:10560
-	850m S	Unspecified Old Shafts	1905	1:10560
-	851m S	Unspecified Old Shaft	1955	1:10560
-	854m S	Unspecified Old Shaft	1883	1:10560
-	857m S	Unspecified Old Shafts	1905	1:10560
-	859m S	Unspecified Old Shafts	1955	1:10560
-	868m S	Unspecified Old Shaft	1905	1:10560
-	895m S	Unspecified Disused Mine	1982	1:10000
-	895m S	Unspecified Disused Mine	1988	1:10000
-	895m S	Disused Tin Mine	1970	1:10560
-	895m S	Disused Tin Mine	1955	1:10560
-	895m S	Tin Mine	1883	1:10560
-	895m S	Disused Tin Mine	1905	1:10560
-	923m S	Unspecified Shafts	1883	1:10560
-	932m S	Unspecified Disused Shaft	1982	1:10000
-	932m S	Unspecified Disused Shaft	1988	1:10000
-	942m S	Unspecified Shafts	1883	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

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 95 >](#)

ID	Location	Name	Commodity	Class	Likelihood
1	On site	South West England	Vein Mineral	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
3	93m N	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
C	193m N	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
G	345m N	Crelake	Vein Minerals-Copper	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
G	445m N	Crelake	Vein Minerals-Copper	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
12	466m SW	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.



ID	Location	Name	Commodity	Class	Likelihood
L	566m SW	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	720m S	Not available	Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	820m S	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	884m S	Not available	Vein Mineral	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should 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

29

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
On site	Metals
On site	Metals
60m NW	Metals
138m W	Metals
143m E	Metals
145m N	Metals
171m NE	Metals
196m NW	Metals
215m NW	Metals
253m N	Unspecified
259m S	Metals
269m N	Metals
335m E	Metals
336m S	Metals
360m N	Metals
364m S	Metals
377m W	Metals
395m NE	Metals
410m N	Metals
415m NW	Metals
431m SW	Metals
432m S	Metals



Location	Mineral type
433m W	Metals
447m N	Metals
448m N	Metals
450m S	Metals
452m S	Metals
476m NW	Metals
491m N	Metals

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	4
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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.

Location	Mineral
253m N	Copper
350m N	Copper
415m NW	Copper
492m SW	Copper

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0
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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 1

Generalised areas that may be affected by historical tin mining.

Location	Details
On site	The site is within an area where tin mining is reported to have occurred. This does not mean that the site is definitely directly affected but further consideration of tin mining is advised. Further mining searches are available at Groundsure.

This data is sourced from Groundsure.

18.16 Clay mining

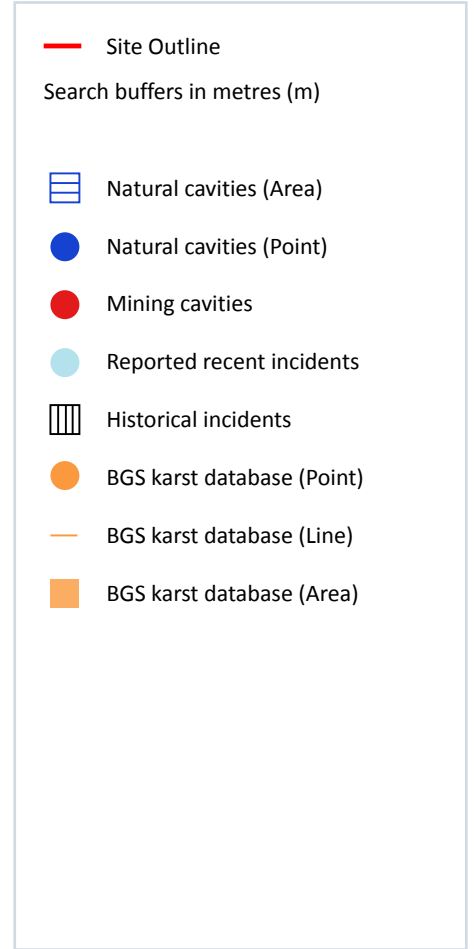
Records on site 0

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

6

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.

Features are displayed on the Ground cavities and sinkholes map on [page 104 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
1	519m NW	Crelake, Tavistock, Devon	Bornite, Chalcocite, Copper, Malachite, Native Copper, Tetrahedrite	DEVON AND SOMERSET MINES, METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913	UNIVERSITY OF EXETER
2	686m SW	Crebor East/crowndale East, Tavistock, Devon	Bornite, Chalcocite, Copper, Malachite, Native Copper, Tetrahedrite	'Mining Sites in Cornwall and South West Devon	Dyllansow Truran
-	888m S	Rix Hill/tavistock United, Tavistock, Devon	Cassiterite, Tin, Tinstone	'Mining Sites in Cornwall and South West Devon	Dyllansow Truran
-	952m S	Anderton, Tavistock, Devon	Cassiterite, Tin, Tinstone	DEVON AND SOMERSET MINES, METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913	UNIVERSITY OF EXETER
-	952m S	United Mines, Tavistock, Devon	Cassiterite, Tin, Tinstone	DEVON AND SOMERSET MINES, METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913	UNIVERSITY OF EXETER
-	952m S	Tavistock United, Tavistock, Devon	Unknown	BOROUGH OF WEST DEVON COMMUNITY PROGRAMME MINESHAFTS SURVEY 1988-89	WEST DEVON BOROUGH COUNCIL

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%

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20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 107 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 5% and 10%	Basic



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

1

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². 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 km²; 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	>120 mg/kg	> 18 mg/kg	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 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 km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

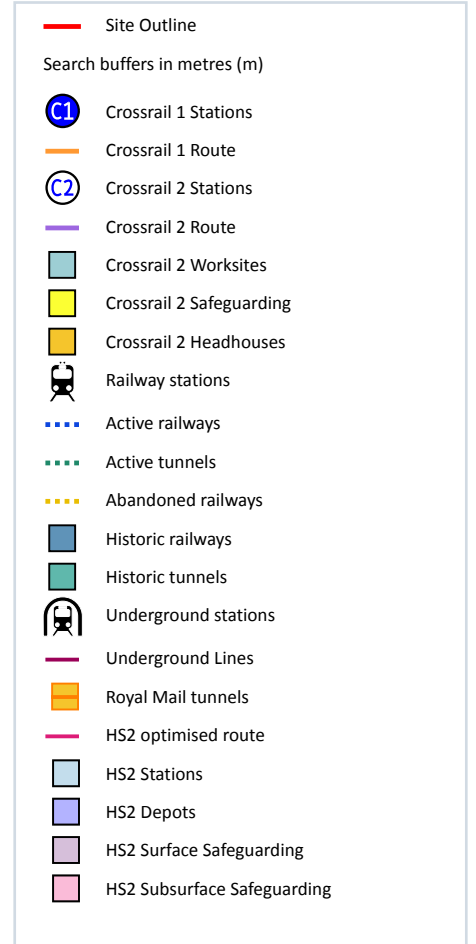
0

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 km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

0

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

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

1

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

Features are displayed on the Railway infrastructure and projects map on [page 110 >](#)

Location	Description
69m NE	Abandoned

This data is sourced from OpenStreetMap.



22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

Terms and conditions

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

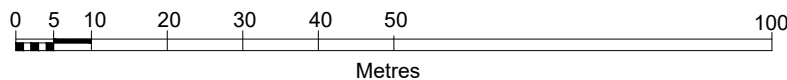
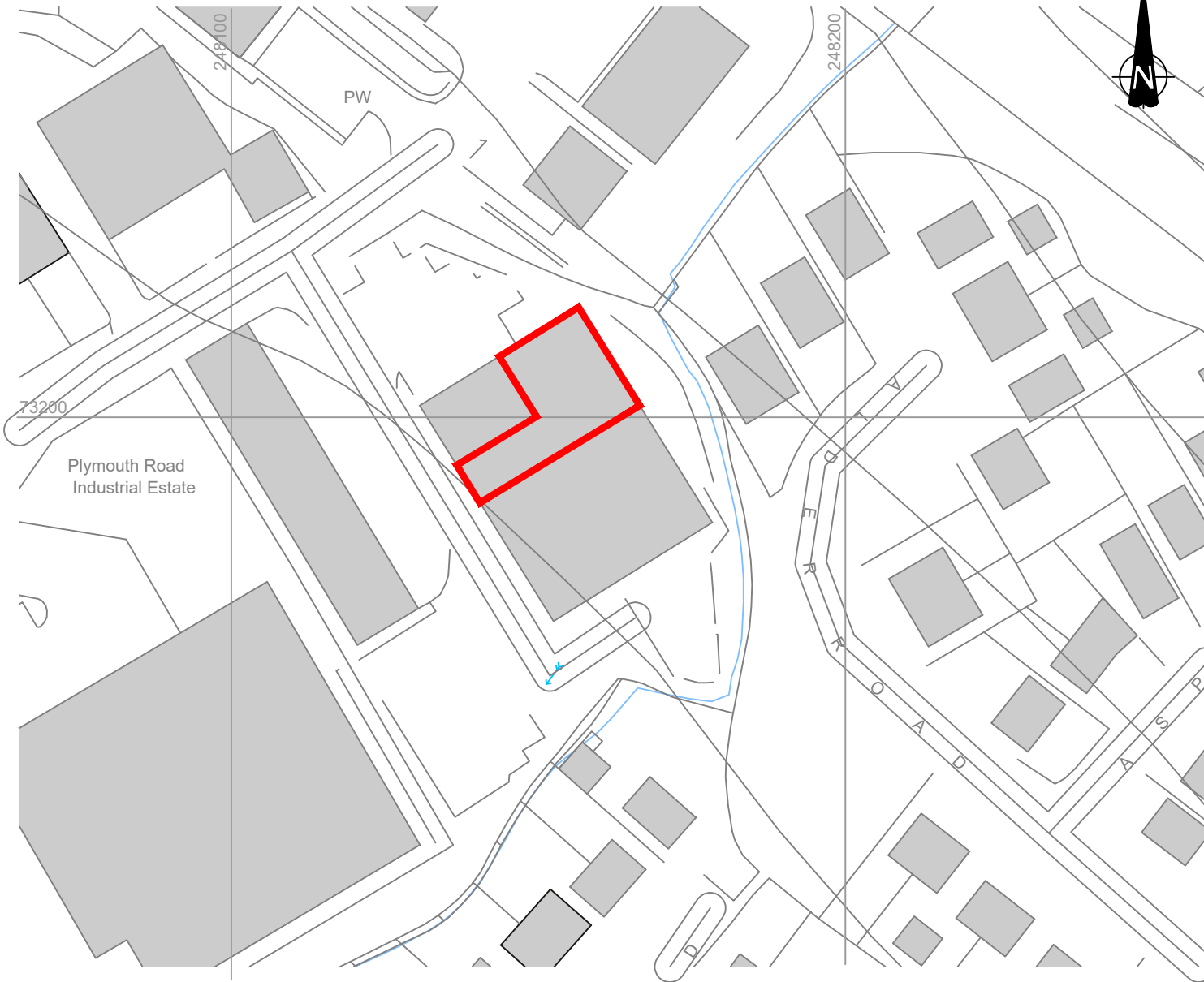


DRAWINGS

DO NOT SCALE FROM THIS DRAWING

KEY

 SITE BOUNDARY



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REVISION	DETAILS	DATE	DRAWN	CHKD	APPD
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CLIENT
ALTIUM METALS LIMITED

PROJECT
TECHNOLOGY CENTRE FACILITY,
UNIT 2, PLYMOUTH ROAD INDUSTRIAL ESTATE,
TAVISTOCK, DEVON

DRAWING TITLE
PERMIT BOUNDARY PLAN

DRG No	BM12752-001	REV	P0	SUIT.
SIZE	A4	SCALE	1:1000	DATE
DRAWN BY	DR	CHECKED BY		APPROVED BY




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