

Appendix B Groundsure

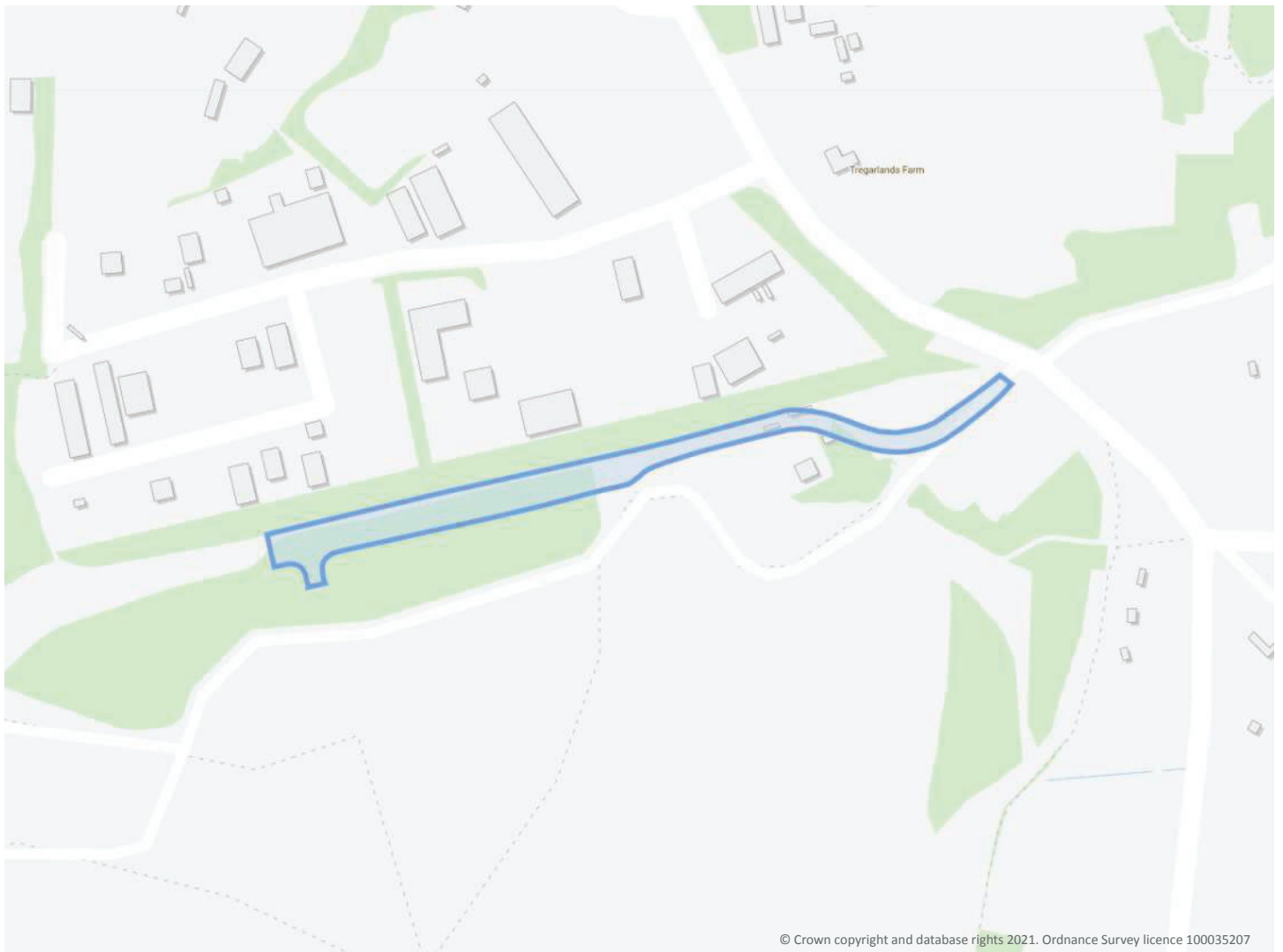
174466.82985245824, 41352.24433682538,

Order Details

Date: 23/02/2021
Your ref: A-Dhaan_0045290
Our Ref: GS-7598495
Client: BURO HAPPOLD

Site Details

Location: 174466 041352
Area: 0.85 ha
Authority: [Cornwall Council \(Unitary\)](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	<u>Historical industrial land uses</u>	10	28	133	192	-
28	1.2	<u>Historical tanks</u>	0	0	3	5	-
28	1.3	<u>Historical energy features</u>	0	0	3	0	-
29	1.4	Historical petrol stations	0	0	0	0	-
29	1.5	Historical garages	0	0	0	0	-
29	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
30	2.1	<u>Historical industrial land uses</u>	11	37	193	259	-
48	2.2	<u>Historical tanks</u>	0	0	3	6	-
49	2.3	<u>Historical energy features</u>	0	0	3	0	-
49	2.4	Historical petrol stations	0	0	0	0	-
50	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
51	3.1	<u>Active or recent landfill</u>	1	0	0	0	-
52	3.2	Historical landfill (BGS records)	0	0	0	0	-
52	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
52	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
52	3.5	<u>Historical waste sites</u>	4	2	5	2	-
55	3.6	<u>Licensed waste sites</u>	0	1	5	14	-
60	3.7	<u>Waste exemptions</u>	0	3	11	7	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
63	4.1	<u>Recent industrial land uses</u>	0	6	31	-	-
66	4.2	Current or recent petrol stations	0	0	0	0	-
66	4.3	Electricity cables	0	0	0	0	-
66	4.4	Gas pipelines	0	0	0	0	-
66	4.5	Sites determined as Contaminated Land	0	0	0	0	-



67	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
67	4.7	Regulated explosive sites	0	0	0	0	-
67	4.8	<u>Hazardous substance storage/usage</u>	0	0	1	0	-
67	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
68	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	1	31	3	-
74	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
74	4.12	Radioactive Substance Authorisations	0	0	0	0	-
74	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	3	-
75	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
75	4.15	Pollutant release to public sewer	0	0	0	0	-
75	4.16	List 1 Dangerous Substances	0	0	0	0	-
75	4.17	List 2 Dangerous Substances	0	0	0	0	-
75	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	1	4	8	-
77	4.19	<u>Pollution inventory substances</u>	0	0	3	0	-
80	4.20	Pollution inventory waste transfers	0	0	0	0	-
80	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
81	5.1	Superficial aquifer	None (within 500m)				
82	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
84	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
85	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
85	5.5	Groundwater vulnerability- local information	None (within 0m)				
86	5.6	<u>Groundwater abstractions</u>	0	0	0	0	8
88	5.7	<u>Surface water abstractions</u>	0	0	0	2	2
90	5.8	Potable abstractions	0	0	0	0	0
90	5.9	Source Protection Zones	0	0	0	0	-
90	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
91	6.1	<u>Water Network (OS MasterMap)</u>	0	0	2	-	-



92	6.2	<u>Surface water features</u>	0	0	1	-	-
92	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
92	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
93	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
94	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
94	7.2	Historical Flood Events	0	0	0	-	-
94	7.3	Flood Defences	0	0	0	-	-
94	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
95	7.5	Flood Storage Areas	0	0	0	-	-
96	7.6	Flood Zone 2	None (within 50m)				
96	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
97	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
99	9.1	<u>Groundwater flooding</u>	Negligible (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
100	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	0	2
101	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
101	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
101	10.4	Special Protection Areas (SPA)	0	0	0	0	0
101	10.5	National Nature Reserves (NNR)	0	0	0	0	0
102	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
102	10.7	Designated Ancient Woodland	0	0	0	0	0
102	10.8	Biosphere Reserves	0	0	0	0	0
102	10.9	Forest Parks	0	0	0	0	0
103	10.10	Marine Conservation Zones	0	0	0	0	0
103	10.11	Green Belt	0	0	0	0	0
103	10.12	Proposed Ramsar sites	0	0	0	0	0



103	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
103	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
104	10.15	Nitrate Sensitive Areas	0	0	0	0	0
104	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	1	0	0
105	10.17	<u>SSSI Impact Risk Zones</u>	2	-	-	-	-
107	10.18	<u>SSSI Units</u>	0	0	0	0	2
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
108	11.1	<u>World Heritage Sites</u>	0	1	0	-	-
109	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
109	11.3	National Parks	0	0	0	-	-
109	11.4	<u>Listed Buildings</u>	0	1	1	-	-
110	11.5	Conservation Areas	0	0	0	-	-
110	11.6	Scheduled Ancient Monuments	0	0	0	-	-
110	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
111	12.1	<u>Agricultural Land Classification</u>	Grade 3 (within 250m)				
112	12.2	Open Access Land	0	0	0	-	-
112	12.3	Tree Felling Licences	0	0	0	-	-
112	12.4	Environmental Stewardship Schemes	0	0	0	-	-
112	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
113	13.1	<u>Priority Habitat Inventory</u>	0	1	9	-	-
114	13.2	<u>Habitat Networks</u>	1	0	1	-	-
114	13.3	<u>Open Mosaic Habitat</u>	1	0	0	-	-
115	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
116	14.1	<u>10k Availability</u>	Identified (within 500m)				
117	14.2	Artificial and made ground (10k)	0	0	0	0	-
118	14.3	Superficial geology (10k)	0	0	0	0	-

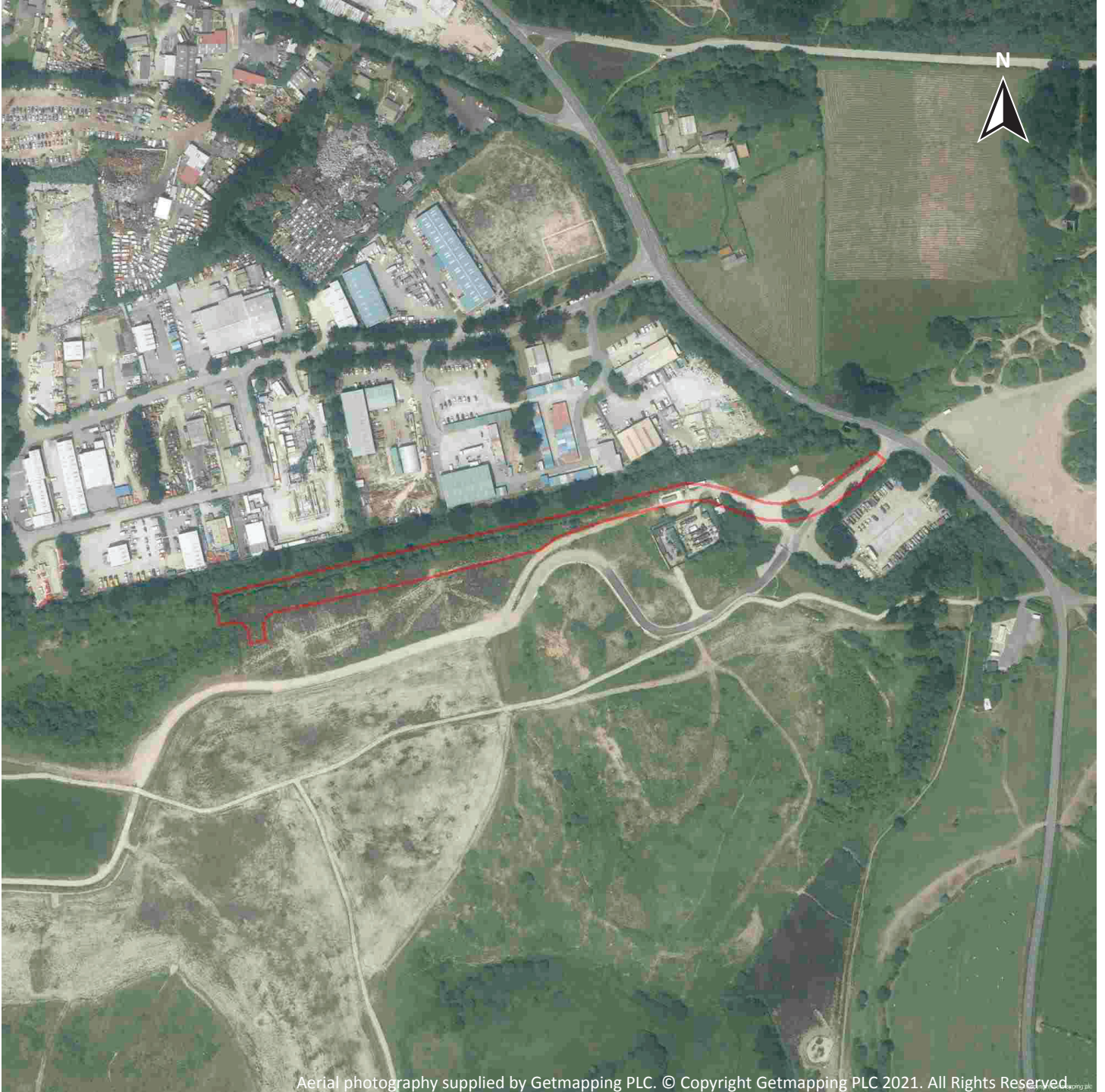


118	14.4	Landslip (10k)	0	0	0	0	-
119	14.5	Bedrock geology (10k)	0	0	0	0	-
119	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<u>120</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
<u>121</u>	<u>15.2</u>	<u>Artificial and made ground (50k)</u>	0	0	1	0	-
122	15.3	Artificial ground permeability (50k)	0	0	-	-	-
123	15.4	Superficial geology (50k)	0	0	0	0	-
123	15.5	Superficial permeability (50k)	None (within 50m)				
123	15.6	Landslip (50k)	0	0	0	0	-
123	15.7	Landslip permeability (50k)	None (within 50m)				
<u>124</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	2	2	8	0	-
<u>125</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>125</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	2	3	0	2	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>127</u>	<u>16.1</u>	<u>BGS Boreholes</u>	1	2	4	-	-
Page	Section	Natural ground subsidence					
<u>129</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Negligible (within 50m)				
<u>130</u>	<u>17.2</u>	<u>Running sands</u>	Negligible (within 50m)				
<u>131</u>	<u>17.3</u>	<u>Compressible deposits</u>	Negligible (within 50m)				
<u>132</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>133</u>	<u>17.5</u>	<u>Landslides</u>	Very low (within 50m)				
<u>134</u>	<u>17.6</u>	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
136	18.1	Natural cavities	0	0	0	0	-
<u>137</u>	<u>18.2</u>	<u>BritPits</u>	0	0	0	3	-
<u>137</u>	<u>18.3</u>	<u>Surface ground workings</u>	6	9	42	-	-
<u>140</u>	<u>18.4</u>	<u>Underground workings</u>	5	26	142	173	481
170	18.5	Historical Mineral Planning Areas	0	0	0	0	-



170	18.6	<u>Non-coal mining</u>		1	1	3	7	5
172	18.7	<u>Mining cavities</u>		0	0	4	4	19
174	18.8	JPB mining areas		None (within 0m)				
174	18.9	Coal mining		None (within 0m)				
175	18.10	Brine areas		None (within 0m)				
175	18.11	Gypsum areas		None (within 0m)				
175	18.12	<u>Tin mining</u>		Identified (within 0m)				
175	18.13	Clay mining		None (within 0m)				
Page	Section	Radon						
176	19.1	<u>Radon</u>	Greater than 30% (within 0m)					
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m	
178	20.1	<u>BGS Estimated Background Soil Chemistry</u>	3	3	-	-	-	
178	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-	
179	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-	
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m	
180	21.1	Underground railways (London)	0	0	0	-	-	
180	21.2	Underground railways (Non-London)	0	0	0	-	-	
180	21.3	Railway tunnels	0	0	0	-	-	
180	21.4	Historical railway and tunnel features	0	0	0	-	-	
180	21.5	Royal Mail tunnels	0	0	0	-	-	
181	21.6	Historical railways	0	0	0	-	-	
181	21.7	Railways	0	0	0	-	-	
181	21.8	Crossrail 1	0	0	0	0	-	
181	21.9	Crossrail 2	0	0	0	0	-	
181	21.10	HS2	0	0	0	0	-	

Recent aerial photograph



Capture Date: 27/06/2019

Site Area: 0.85ha



Recent site history - 2016 aerial photograph



Capture Date: 15/08/2016

Site Area: 0.85ha



Recent site history - 2009 aerial photograph



Capture Date: 10/09/2009

Site Area: 0.85ha



Recent site history - 2005 aerial photograph



Capture Date: 09/06/2005

Site Area: 0.85ha



Recent site history - 1999 aerial photograph



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Capture Date: 02/09/1999

Site Area: 0.85ha



OS MasterMap site plan

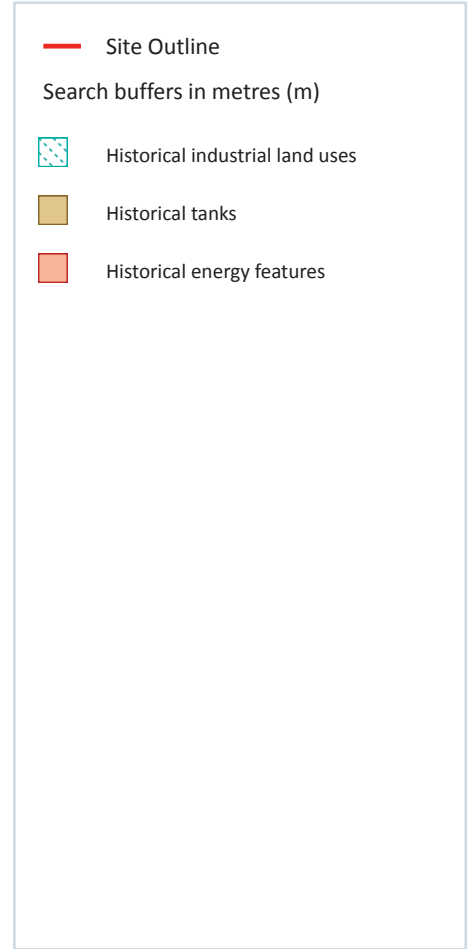
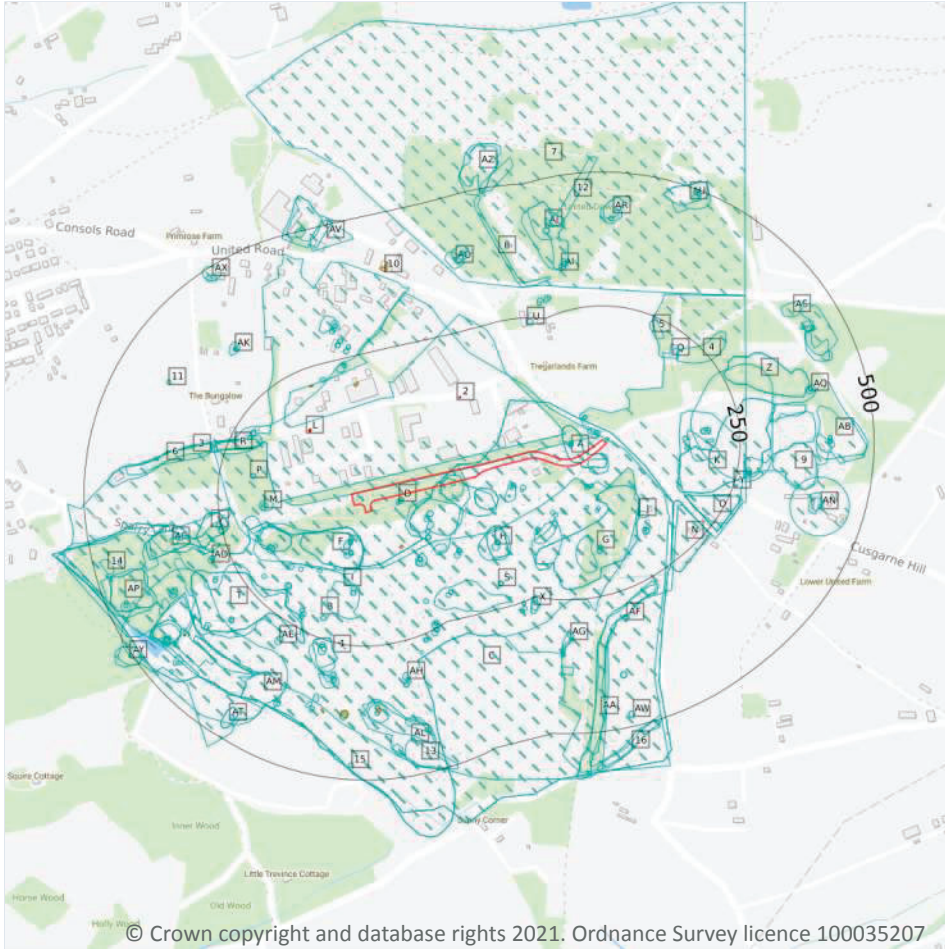


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Site Area: 0.85ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m **363**

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

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

ID	Location	Land use	Dates present	Group ID
A	On site	Refuse Heap	1908	22134

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Heaps	1879	31751
B	On site	Mines Waste Disposal Site	1992	22248
B	On site	Unspecified Heap	1879	36478
B	On site	Unspecified Disused Mines	1958	28324
B	On site	Unspecified Disused Shafts	1974 - 1980	43157
B	On site	Refuse Heap	1908	47493
B	On site	Refuse Heap	1958	57672
C	On site	Disused Tin and Copper Mine	1879	41166
C	On site	Disused Tin and Copper Mine	1908	50592
A	3m SE	Unspecified Heap	1958	36475
A	3m NE	Unspecified Shaft	1879	27594
D	5m S	Unspecified Disused Shafts	1974 - 1980	49657
D	6m S	Unspecified Old Shafts	1908	48038
A	9m NW	Unspecified Old Shafts	1958	24450
D	12m S	Unspecified Old Shafts	1958	61143
A	13m NW	Unspecified Disused Shafts	1974 - 1980	48516
B	17m S	Refuse Heap	1908	54576
E	17m N	Industrial Park	1992	29969
A	22m N	Unspecified Disused Shafts	1974 - 1980	56709
B	23m S	Unspecified Heap	1879	36474
B	23m S	Refuse Heap	1908	45936
A	24m NW	Unspecified Disused Shafts	1974 - 1992	59317
1	24m S	Refuse Heap	1992	59376
A	26m N	Disused Distillery	1879	28316
B	37m S	Unspecified Disused Shafts	1974 - 1992	54203
B	39m S	Unspecified Pit	1958	34017
F	41m SW	Unspecified Heaps	1879	31759
F	41m SW	Refuse Heap	1908	46161



ID	Location	Land use	Dates present	Group ID
B	41m S	Unspecified Old Shafts	1908	24420
B	41m S	Unspecified Shaft	1879	27590
A	42m S	Unspecified Shaft	1879	27589
A	43m SE	Unspecified Old Shafts	1958	24417
B	44m S	Unspecified Old Shafts	1958	24418
B	45m S	Unspecified Old Shafts	1908	43696
F	47m SW	Refuse Heap	1958	52705
A	49m NW	Unspecified Disused Shafts	1974 - 1992	48962
A	49m NW	Unspecified Shaft	1879	27605
B	51m S	Unspecified Old Shafts	1958	24442
B	53m S	Unspecified Old Shafts	1958	50921
F	57m SW	Unspecified Shaft	1879	27634
B	57m S	Unspecified Old Shafts	1958	24419
F	59m SW	Unspecified Disused Shafts	1974 - 1992	43554
F	60m SW	Unspecified Old Shafts	1908 - 1958	54832
B	62m S	Unspecified Old Shafts	1908 - 1958	48566
G	66m SE	Unspecified Heap	1908	53684
G	66m SE	Unspecified Heap	1879	56395
B	74m S	Unspecified Old Shafts	1908	24421
B	74m S	Unspecified Shaft	1879	27632
F	76m S	Unspecified Disused Shafts	1974 - 1992	60468
F	77m S	Unspecified Shaft	1908	49645
F	77m S	Unspecified Shaft	1879	53801
A	79m S	Chimney	1879	25178
A	82m S	Unspecified Shafts	1879	18915
F	82m SW	Unspecified Old Shafts	1958	24443
B	84m S	Unspecified Old Shafts	1958	24422
B	84m S	Unspecified Disused Shafts	1974 - 1980	50689



ID	Location	Land use	Dates present	Group ID
A	86m S	Unspecified Shafts	1879	18910
A	87m S	Unspecified Shaft	1879	27591
A	89m S	Unspecified Disused Shafts	1974 - 1980	37818
A	91m S	Unspecified Disused Shafts	1974 - 1992	60789
H	99m S	Unspecified Heap	1879	36477
H	99m S	Refuse Heap	1908	39755
A	100m S	Refuse Heap	1958	42350
H	104m S	Refuse Heap	1958	48847
A	104m S	Refuse Heap	1908	57545
B	106m S	Refuse Heap	1958	46613
B	114m S	Unspecified Heap	1879	36482
B	121m S	Unspecified Shaft	1879	27629
B	121m S	Unspecified Old Shafts	1908	53947
B	121m S	Unspecified Old Shafts	1908	24433
B	121m S	Unspecified Shaft	1879	27630
B	122m S	Unspecified Disused Shafts	1974 - 1980	54728
A	123m S	Unspecified Old Shafts	1908	24424
A	123m S	Unspecified Shaft	1879	27618
A	123m S	Unspecified Disused Shafts	1974 - 1980	57132
H	125m S	Unspecified Shaft	1879	27631
H	125m S	Unspecified Old Shafts	1908 - 1958	42789
B	126m S	Unspecified Disused Shafts	1974 - 1980	44862
B	126m SE	Unspecified Old Shafts	1958	53965
H	126m S	Unspecified Disused Shafts	1974 - 1980	45400
B	128m S	Unspecified Old Shafts	1958	24432
A	130m S	Unspecified Old Shafts	1958	24423
F	131m SW	Unspecified Heap	1879	36480
F	131m SW	Refuse Heap	1908	48326



ID	Location	Land use	Dates present	Group ID
I	132m S	Unspecified Disused Shafts	1974 - 1980	42076
F	134m SW	Unspecified Disused Shafts	1974 - 1992	53495
I	135m S	Refuse Heap	1908 - 1958	55326
G	136m S	Unspecified Heap	1908 - 1958	50983
J	137m SE	Magazine	1879	31968
K	137m E	Refuse Heap	1958	56175
I	139m S	Disused Distillery	1879	28317
K	140m E	Refuse Heap	1908	44817
K	140m E	Unspecified Heap	1879	45281
K	143m E	Unspecified Old Shafts	1958	24405
K	147m E	Unspecified Old Shafts	1958	24404
I	148m S	Unspecified Old Shafts	1958	24441
I	148m S	Unspecified Disused Shafts	1974 - 1980	40501
M	148m W	Unspecified Heap	1879	36479
F	151m SW	Unspecified Disused Shafts	1974 - 1980	59052
K	151m E	Unspecified Heap	1958	39397
G	156m S	Disused Distillery	1879	28318
G	156m S	Unspecified Old Shafts	1908 - 1958	44592
M	158m W	Unspecified Old Shafts	1908 - 1958	44121
F	159m SW	Unspecified Old Shafts	1908	24438
F	161m SW	Unspecified Shaft	1879	27633
K	161m E	Waste Recycling Centre	1992	25270
M	162m W	Unspecified Disused Shafts	1974 - 1992	56235
G	163m S	Unspecified Disused Shafts	1974 - 1980	38298
J	165m SE	Unspecified Shaft	1879	27620
J	167m SE	Unspecified Old Shafts	1908	24425
N	168m SE	Refuse Heap	1908	22136
N	168m SE	Unspecified Heap	1879	36498



ID	Location	Land use	Dates present	Group ID
F	169m SW	Unspecified Old Shafts	1908	24522
J	169m SE	Unspecified Disused Shafts	1974 - 1992	38098
F	171m SW	Unspecified Disused Shafts	1974 - 1980	48745
O	175m SE	Unspecified Heap	1879	36499
O	175m SE	Refuse Heap	1908	55609
M	176m W	Unspecified Pit	1908 - 1958	42479
K	178m E	Unspecified Disused Shafts	1974 - 1992	47450
K	178m E	Unspecified Old Shafts	1908	24408
P	183m W	Unspecified Old Shafts	1908	24520
P	183m W	Unspecified Shaft	1879	27593
C	184m S	Refuse Heap	1908	60980
K	186m E	Unspecified Shafts	1879	18914
K	187m E	Unspecified Shafts	1879	18913
F	188m SW	Unspecified Old Shafts	1908	24523
K	189m E	Unspecified Disused Shafts	1974 - 1992	60377
F	189m SW	Unspecified Disused Shafts	1974 - 1980	41626
Q	191m NE	Engine House	1908	31352
3	192m NW	Unspecified Pits	1879	19272
C	192m SE	Unspecified Shaft	1879	27628
R	193m NW	Unspecified Pit	1908 - 1958	51806
C	194m S	Unspecified Old Shafts	1908	24431
C	194m S	Unspecified Shaft	1879	27625
C	198m S	Unspecified Disused Shafts	1974 - 1980	52566
S	200m S	Unspecified Disused Shafts	1974 - 1980	44084
S	201m S	Unspecified Old Shafts	1908	24426
4	202m NE	Refuse Heap	1908 - 1958	57342
T	204m SW	Unspecified Heaps	1879	31757
T	204m SW	Refuse Heap	1908	46458



ID	Location	Land use	Dates present	Group ID
I	204m S	Unspecified Old Shafts	1908 - 1958	60236
T	208m SW	Refuse Heaps	1958	37131
I	208m S	Unspecified Disused Shafts	1974 - 1980	59091
F	210m SW	Unspecified Disused Shafts	1974 - 1992	51081
Q	211m NE	Chimney	1974 - 1992	44060
R	212m NW	Unspecified Old Shafts	1908 - 1958	42023
R	212m NW	Unspecified Disused Shafts	1974 - 1992	53201
5	214m NE	Refuse Heap	1908	22141
I	214m SW	Unspecified Shaft	1879	27636
E	216m N	Unspecified Disused Shafts	1974 - 1980	37906
I	218m SW	Unspecified Old Shafts	1908	24439
I	224m SW	Unspecified Disused Shafts	1974 - 1980	57444
E	225m N	Unspecified Old Shafts	1908 - 1958	51259
E	233m N	Unspecified Disused Shafts	1974 - 1980	56405
U	236m N	Unspecified Disused Shafts	1974 - 1992	39294
C	236m SE	Unspecified Old Shafts	1908	39993
E	237m N	Unspecified Shaft	1879	27596
C	238m SE	Unspecified Disused Shafts	1974 - 1980	60915
C	238m SE	Unspecified Old Shafts	1908 - 1958	60984
V	238m W	Refuse Heap	1908	51298
V	238m W	Unspecified Shaft	1879	53982
W	244m S	Unspecified Heap	1879	36486
W	244m S	Refuse Heap	1908 - 1958	44963
X	247m S	Unspecified Heap	1908	36476
V	248m W	Unspecified Old Shafts	1958	24521
V	248m W	Unspecified Disused Shafts	1974 - 1980	43882
X	248m SE	Unspecified Pit	1958	34024
C	249m SE	Unspecified Disused Shafts	1974 - 1980	38342



ID	Location	Land use	Dates present	Group ID
X	250m S	Unspecified Old Shafts	1908	24430
X	250m S	Unspecified Shaft	1879	27626
V	251m W	Unspecified Old Shafts	1908	24519
C	251m SE	Unspecified Old Shafts	1958	48245
Y	254m E	Unspecified Shaft	1958	27592
Z	254m NE	Refuse Heap	1908	22140
Z	254m NE	Unspecified Heap	1879	36497
W	255m S	Unspecified Shaft	1879	27639
AA	256m SE	Unspecified Pit	1908	56806
C	257m SE	Unspecified Old Shafts	1908	24440
C	257m SE	Unspecified Disused Shafts	1974 - 1980	39743
E	257m N	Unspecified Old Shafts	1958	24449
E	257m N	Unspecified Disused Shafts	1974 - 1980	59949
X	258m S	Unspecified Disused Shafts	1974 - 1980	49298
W	259m S	Unspecified Old Shafts	1908 - 1958	51669
AB	260m E	Refuse Heaps	1958	37147
AC	260m W	Refuse Heaps	1958	37129
X	262m S	Unspecified Old Shafts	1958	24429
AA	263m SE	Unspecified Pit	1958	58008
W	263m S	Unspecified Disused Shafts	1974 - 1980	40480
E	265m N	Unspecified Old Shafts	1908	24448
E	265m N	Unspecified Shaft	1879	27597
Y	266m E	Unspecified Shaft	1879	54489
Y	269m E	Unspecified Disused Shaft	1971	30800
Y	269m E	Unspecified Shaft	1958	58496
Y	269m E	Unspecified Shaft	1992	54387
Y	271m E	Unspecified Shaft	1908	48479
E	272m N	Unspecified Old Shafts	1958	24444



ID	Location	Land use	Dates present	Group ID
E	272m N	Unspecified Disused Shafts	1974 - 1980	54765
6	273m W	Old Clay Pit	1908 - 1958	61070
U	274m N	Unspecified Old Shafts	1908 - 1958	37401
U	274m N	Unspecified Disused Shafts	1974 - 1992	56215
C	277m S	Unspecified Shaft	1879	27627
U	277m N	Unspecified Old Shafts	1908 - 1958	59916
AD	279m W	Unspecified Old Shafts	1908 - 1958	37598
E	279m N	Unspecified Old Shafts	1908	24447
E	279m N	Unspecified Shaft	1879	27602
AD	279m W	Unspecified Disused Shafts	1974 - 1980	55616
AE	280m SW	Unspecified Old Shafts	1908 - 1958	55995
U	280m N	Unspecified Disused Shafts	1974 - 1992	60323
7	281m N	Unspecified Disused Mine	1958	22638
AE	281m SW	Unspecified Disused Shafts	1974 - 1980	47761
AD	288m SW	Unspecified Old Shafts	1908 - 1958	50642
AD	291m SW	Unspecified Disused Shafts	1974 - 1980	49695
AF	295m S	Unspecified Shaft	1879	27619
AF	295m S	Unspecified Old Shaft	1908	33567
E	299m N	Unspecified Old Shafts	1958	24446
E	302m N	Unspecified Heap	1879	36473
E	304m N	Refuse Heap	1958	22127
W	304m S	Unspecified Old Shafts	1908	24437
W	304m S	Unspecified Shaft	1879	27638
AG	306m S	Unspecified Heap	1908	36488
E	308m N	Unspecified Old Shafts	1908	24445
E	308m N	Unspecified Shaft	1879	27599
8	308m N	Unspecified Ground Workings	1958	20848
AH	308m S	Unspecified Heap	1879	36489



ID	Location	Land use	Dates present	Group ID
W	308m S	Unspecified Ground Workings	1879	20595
T	308m SW	Unspecified Old Shafts	1908	24524
T	308m SW	Unspecified Shaft	1879	27637
AG	309m S	Unspecified Ground Workings	1958	20849
T	311m SW	Unspecified Disused Shafts	1974 - 1980	42328
T	311m SW	Unspecified Works	1958	23490
W	312m S	Unspecified Heap	1958	36487
AC	313m W	Unspecified Heap	1879	36481
AC	313m W	Refuse Heap	1908	58556
9	314m E	Refuse Heap	1908	22137
W	315m S	Unspecified Old Shafts	1958	24434
W	315m S	Unspecified Disused Shafts	1974 - 1980	49250
AH	317m S	Unspecified Shaft	1879	27640
AH	322m S	Unspecified Old Shafts	1908 - 1958	56043
AI	325m N	Unspecified Old Shafts	1958	24451
AC	326m W	Unspecified Shaft	1879	47138
AC	326m W	Unspecified Shaft	1908	53021
AH	326m S	Unspecified Disused Shafts	1974 - 1980	40181
AJ	329m N	Unspecified Heaps	1879	31752
AJ	329m N	Refuse Heap	1908 - 1958	42176
AI	331m N	Unspecified Disused Shafts	1974 - 1992	48782
AC	332m W	Unspecified Disused Shafts	1974 - 1980	41627
AC	336m W	Unspecified Old Shafts	1958	24518
AK	340m NW	Unspecified Heap	1879	36460
AI	340m N	Unspecified Shaft	1879	27603
AK	342m NW	Unspecified Disused Shafts	1974 - 1992	56352
AK	343m NW	Unspecified Old Shafts	1908	24471
AK	343m NW	Unspecified Shaft	1879	27598



ID	Location	Land use	Dates present	Group ID
T	348m SW	Unspecified Old Shafts	1908 - 1958	49644
AL	349m S	Unspecified Ground Workings	1908	20850
AM	349m SW	Tin Stream Works	1879	30918
W	351m S	Unspecified Old Shafts	1908 - 1958	39178
AL	354m S	Unspecified Heap	1879	36485
T	354m SW	Unspecified Disused Shafts	1974 - 1980	50235
AL	355m S	Unspecified Quarry	1958	19834
T	356m SW	Arsenic and Tin Works	1908	33602
AN	360m E	Unspecified Shaft	1908 - 1958	57834
T	361m SW	Chemical Works	1879	22981
T	361m SW	Unspecified Pit	1908	34027
AL	362m S	Unspecified Old Shafts	1908	24435
AL	362m S	Unspecified Shaft	1879	27641
T	366m SW	Unspecified Shaft	1879	27635
AO	366m N	Refuse Heap	1958	22135
T	368m SW	Unspecified Old Shafts	1908 - 1958	53741
W	369m S	Unspecified Old Shafts	1908 - 1958	48270
AL	372m S	Unspecified Old Shafts	1958	24436
AL	372m S	Unspecified Disused Shafts	1974 - 1980	39585
T	372m SW	Unspecified Disused Shafts	1974 - 1980	49900
W	373m S	Unspecified Old Shafts	1908 - 1958	43659
AO	374m N	Unspecified Old Shafts	1908 - 1958	55618
AG	374m S	Unspecified Pit	1958	34020
W	375m S	Unspecified Old Shafts	1908 - 1958	42941
W	377m S	Unspecified Disused Shafts	1974 - 1980	40845
AO	379m N	Unspecified Heap	1879	36472
AP	382m W	Refuse Heaps	1958	37132
AQ	385m E	Unspecified Shaft	1908 - 1958	53699



ID	Location	Land use	Dates present	Group ID
AO	387m N	Unspecified Disused Shafts	1974 - 1992	51886
AM	388m SW	Chimney	1879	44928
AO	388m N	Unspecified Shaft	1879	27601
AM	388m SW	Chimney	1974 - 1992	41841
T	391m SW	Unspecified Pit	1958	34033
AQ	391m E	Unspecified Disused Shaft	1971	30799
AQ	391m E	Unspecified Shaft	1992	47289
AL	392m S	Unspecified Old Quarry	1879	28775
AB	393m E	Unspecified Heap	1908	54237
AB	393m E	Unspecified Heap	1879	48473
AN	393m E	Unspecified Pit	1879	34019
AN	395m E	Refuse Heap	1958	22139
T	396m SW	Unspecified Heap	1879	54290
T	396m SW	Unspecified Heap	1908	41527
AA	397m S	Unspecified Old Shafts	1908	24427
AA	397m S	Unspecified Shaft	1879	27624
11	397m NW	Unspecified Shaft	1879	27595
AJ	399m N	Unspecified Old Shafts	1908 - 1958	54612
AJ	399m N	Unspecified Disused Shafts	1974 - 1992	57856
T	402m SW	Unspecified Heap	1958	45292
AR	404m N	Refuse Heap	1908 - 1958	60913
AP	407m SW	Unspecified Heaps	1879	31677
AP	407m SW	Refuse Heap	1908	57209
AS	408m NE	Unspecified Heap	1879	36496
12	409m N	Unspecified Pit	1908 - 1958	41772
AR	410m N	Unspecified Old Shafts	1958	24452
AR	410m N	Unspecified Disused Shafts	1974 - 1992	60977
AJ	410m N	Unspecified Shafts	1879	18909



ID	Location	Land use	Dates present	Group ID
AS	412m NE	Refuse Heap	1958	46652
AN	413m E	Unspecified Disused Shaft	1971	30801
AR	414m N	Unspecified Heap	1879	36470
AB	415m E	Unspecified Disused Shaft	1971	30802
AB	415m E	Unspecified Shaft	1958	57438
AB	415m E	Unspecified Shaft	1992	58972
AB	415m E	Unspecified Shaft	1908	52310
AB	415m E	Unspecified Shaft	1879	53152
AS	418m NE	Refuse Heap	1908 - 1958	51190
AS	421m NE	Chimney	1971	25179
T	423m SW	Unspecified Old Shafts	1908	24533
AR	425m N	Unspecified Shaft	1879	27179
T	425m SW	Unspecified Disused Shafts	1974 - 1980	37750
T	426m SW	Unspecified Shaft	1879	27568
AS	427m NE	Engine House	1908	31353
T	427m SW	Unspecified Pit	1958	34025
AS	427m NE	Unspecified Disused Shaft	1971	30797
T	429m SW	Unspecified Heap	1879	36483
13	429m S	Unspecified Pit	1958	34022
AS	434m E	Unspecified Heap	1908	36495
AL	438m S	Unspecified Pit	1958	34023
T	439m SW	Unspecified Shafts	1879	18911
AS	439m NE	Unspecified Shaft	1992	27604
AT	439m SW	Unspecified Heap	1908	51411
AT	439m SW	Unspecified Heap	1879	45227
AU	446m N	Refuse Heap	1908 - 1958	44669
AT	453m SW	Unspecified Shaft	1879	44541
AT	453m SW	Unspecified Shaft	1908	58673



ID	Location	Land use	Dates present	Group ID
AP	457m SW	Unspecified Old Shafts	1958	24525
T	458m SW	Unspecified Shafts	1879	18904
AV	458m N	Unspecified Heap	1958	44583
AP	459m SW	Unspecified Shaft	1879	27567
AU	461m N	Unspecified Heap	1879	36500
AP	462m SW	Unspecified Disused Shafts	1974 - 1980	38756
AV	463m N	Refuse Heap	1908 - 1958	43725
14	465m W	Unspecified Heap	1879	36456
15	469m S	Unspecified Shaft	1879	27645
AW	472m S	Unspecified Old Shafts	1908	24428
AW	472m S	Unspecified Shaft	1879	27623
AX	472m NW	Unspecified Heap	1879	36459
AX	475m NW	Unspecified Old Shaft	1908 - 1958	55501
AU	477m N	Unspecified Old Shafts	1908 - 1958	55655
AV	478m N	Unspecified Heap	1879	51323
AY	485m SW	Unspecified Heap	1879	36458
AY	485m SW	Refuse Heap	1908 - 1958	38029
AZ	489m N	Refuse Heap	1908 - 1958	37899
AV	489m N	Unspecified Old Shafts	1908 - 1958	59975
AU	491m N	Unspecified Disused Shafts	1974 - 1992	51542
AZ	491m N	Unspecified Heap	1879	36469
16	492m S	Unspecified Pit	1958	57762
AZ	493m N	Unspecified Pit	1958	34015
AU	496m N	Unspecified Shaft	1879	27178
AY	498m SW	Unspecified Shaft	1879	27569
AV	500m N	Unspecified Disused Shafts	1974 - 1980	57734

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

8

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

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

ID	Location	Land use	Dates present	Group ID
B	85m SE	Unspecified Tank	1997	3746
E	193m N	Unspecified Tank	1969	3744
E	214m N	Unspecified Tank	1997	3735
AL	366m S	Unspecified Tank	1969	3754
W	372m S	Unspecified Tank	1908 - 1969	6691
W	376m S	Unspecified Tanks	1908	4726
10	390m N	Tanks	1997	5049
T	397m SW	Unspecified Tank	1908	3752

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

3

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

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

ID	Location	Land use	Dates present	Group ID
2	130m N	Electricity Substation	1997	1103
L	140m NW	Electricity Substation	1988	1339
L	141m NW	Electricity Substation	1997	2403



This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

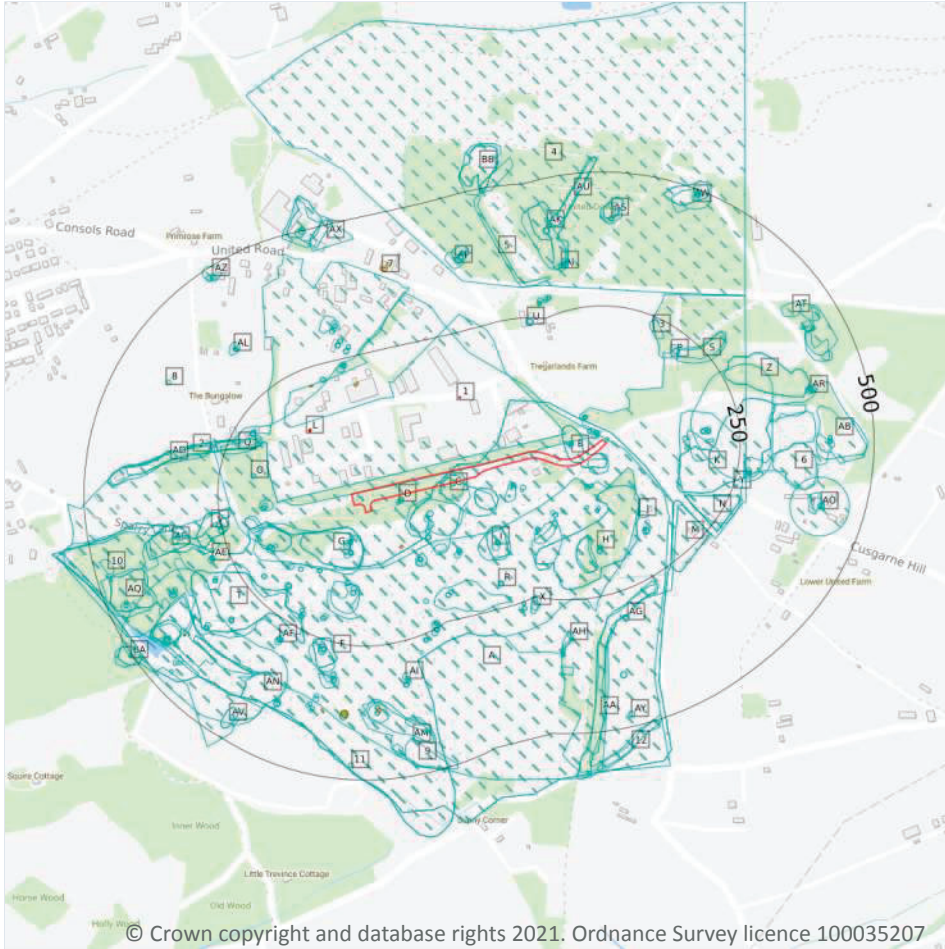
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m **500**

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

Features are displayed on the Past land use - un-grouped map on **page 30**

ID	Location	Land Use	Date	Group ID
A	On site	Disused Tin and Copper Mine	1908	50592
A	On site	Disused Tin and Copper Mine	1879	41166
B	On site	Refuse Heap	1908	22134

ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Heaps	1879	31751
C	On site	Refuse Heap	1908	47493
C	On site	Unspecified Heap	1879	36478
C	On site	Refuse Heap	1958	57672
C	On site	Unspecified Disused Mines	1958	28324
C	On site	Unspecified Disused Shafts	1980	43157
C	On site	Unspecified Disused Shafts	1974	43157
C	On site	Mines Waste Disposal Site	1992	22248
B	3m SE	Unspecified Heap	1958	36475
B	3m NE	Unspecified Shaft	1879	27594
D	5m S	Unspecified Disused Shafts	1980	49657
D	5m S	Unspecified Disused Shafts	1974	49657
D	6m S	Unspecified Old Shafts	1908	48038
B	9m NW	Unspecified Old Shafts	1958	24450
D	12m S	Unspecified Old Shafts	1958	61143
B	13m NW	Unspecified Disused Shafts	1980	48516
B	13m NW	Unspecified Disused Shafts	1974	48516
C	17m S	Refuse Heap	1908	54576
E	17m N	Industrial Park	1992	29969
B	22m N	Unspecified Disused Shafts	1980	56709
B	22m N	Unspecified Disused Shafts	1974	56709
C	23m S	Refuse Heap	1908	45936
C	23m S	Unspecified Heap	1879	36474
B	24m NW	Unspecified Disused Shafts	1992	59317
B	24m NW	Unspecified Disused Shafts	1980	59317
B	24m NW	Unspecified Disused Shafts	1974	59317
F	24m S	Refuse Heap	1992	59376
B	26m N	Disused Distillery	1879	28316



ID	Location	Land Use	Date	Group ID
C	37m S	Unspecified Disused Shafts	1992	54203
C	37m S	Unspecified Disused Shafts	1980	54203
C	37m S	Unspecified Disused Shafts	1974	54203
C	39m S	Unspecified Pit	1958	34017
G	41m SW	Refuse Heap	1908	46161
G	41m SW	Unspecified Heaps	1879	31759
C	41m S	Unspecified Old Shafts	1908	24420
C	41m S	Unspecified Shaft	1879	27590
B	42m S	Unspecified Shaft	1879	27589
B	43m SE	Unspecified Old Shafts	1958	24417
C	44m S	Unspecified Old Shafts	1958	24418
C	45m S	Unspecified Old Shafts	1908	43696
G	47m SW	Refuse Heap	1958	52705
B	49m NW	Unspecified Disused Shafts	1992	48962
B	49m NW	Unspecified Disused Shafts	1980	48962
B	49m NW	Unspecified Disused Shafts	1974	48962
B	49m NW	Unspecified Shaft	1879	27605
C	51m S	Unspecified Old Shafts	1958	24442
C	53m S	Unspecified Old Shafts	1958	50921
G	57m SW	Unspecified Shaft	1879	27634
C	57m S	Unspecified Old Shafts	1958	24419
G	59m SW	Unspecified Disused Shafts	1992	43554
G	59m SW	Unspecified Disused Shafts	1980	43554
G	59m SW	Unspecified Disused Shafts	1974	43554
G	60m SW	Unspecified Old Shafts	1908	54832
C	62m S	Unspecified Old Shafts	1908	48566
C	66m S	Unspecified Old Shafts	1958	48566
H	66m SE	Unspecified Heap	1908	53684



ID	Location	Land Use	Date	Group ID
H	66m SE	Unspecified Heap	1879	56395
G	67m SW	Unspecified Old Shafts	1958	54832
C	74m S	Unspecified Old Shafts	1908	24421
C	74m S	Unspecified Shaft	1879	27632
G	76m S	Unspecified Disused Shafts	1992	60468
G	76m S	Unspecified Disused Shafts	1980	60468
G	76m S	Unspecified Disused Shafts	1974	60468
G	77m S	Unspecified Shaft	1908	49645
G	77m S	Unspecified Shaft	1879	53801
B	79m S	Chimney	1879	25178
B	82m S	Unspecified Shafts	1879	18915
G	82m SW	Unspecified Old Shafts	1958	24443
C	84m S	Unspecified Old Shafts	1958	24422
C	84m S	Unspecified Disused Shafts	1980	50689
C	84m S	Unspecified Disused Shafts	1974	50689
B	86m S	Unspecified Shafts	1879	18910
B	87m S	Unspecified Shaft	1879	27591
B	89m S	Unspecified Disused Shafts	1980	37818
B	89m S	Unspecified Disused Shafts	1974	37818
B	91m S	Unspecified Disused Shafts	1992	60789
B	91m S	Unspecified Disused Shafts	1980	60789
B	91m S	Unspecified Disused Shafts	1974	60789
I	99m S	Refuse Heap	1908	39755
I	99m S	Unspecified Heap	1879	36477
B	100m S	Refuse Heap	1958	42350
I	104m S	Refuse Heap	1958	48847
B	104m S	Refuse Heap	1908	57545
C	106m S	Refuse Heap	1958	46613



ID	Location	Land Use	Date	Group ID
C	114m S	Unspecified Heap	1879	36482
C	121m S	Unspecified Old Shafts	1908	53947
C	121m S	Unspecified Shaft	1879	27629
C	121m S	Unspecified Old Shafts	1908	24433
C	121m S	Unspecified Shaft	1879	27630
C	122m S	Unspecified Disused Shafts	1980	54728
C	122m S	Unspecified Disused Shafts	1974	54728
B	123m S	Unspecified Old Shafts	1908	24424
B	123m S	Unspecified Shaft	1879	27618
B	123m S	Unspecified Disused Shafts	1980	57132
B	123m S	Unspecified Disused Shafts	1974	57132
I	125m S	Unspecified Old Shafts	1908	42789
I	125m S	Unspecified Shaft	1879	27631
C	126m S	Unspecified Disused Shafts	1980	44862
C	126m S	Unspecified Disused Shafts	1974	44862
C	126m SE	Unspecified Old Shafts	1958	53965
I	126m S	Unspecified Disused Shafts	1980	45400
I	126m S	Unspecified Disused Shafts	1974	45400
C	128m S	Unspecified Old Shafts	1958	24432
I	129m S	Unspecified Old Shafts	1958	42789
B	130m S	Unspecified Old Shafts	1958	24423
G	131m SW	Refuse Heap	1908	48326
G	131m SW	Unspecified Heap	1879	36480
F	132m S	Unspecified Disused Shafts	1980	42076
F	132m S	Unspecified Disused Shafts	1974	42076
G	134m SW	Unspecified Disused Shafts	1992	53495
G	134m SW	Unspecified Disused Shafts	1980	53495
G	134m SW	Unspecified Disused Shafts	1974	53495



ID	Location	Land Use	Date	Group ID
F	135m S	Refuse Heap	1958	55326
H	136m S	Unspecified Heap	1958	50983
J	137m SE	Magazine	1879	31968
H	137m S	Unspecified Heap	1908	50983
K	137m E	Refuse Heap	1958	56175
F	138m S	Refuse Heap	1908	55326
F	139m S	Disused Distillery	1879	28317
K	140m E	Refuse Heap	1908	44817
K	140m E	Unspecified Heap	1879	45281
K	143m E	Unspecified Old Shafts	1958	24405
K	147m E	Unspecified Old Shafts	1958	24404
F	148m S	Unspecified Old Shafts	1958	24441
F	148m S	Unspecified Disused Shafts	1980	40501
F	148m S	Unspecified Disused Shafts	1974	40501
G	148m W	Unspecified Heap	1879	36479
G	151m SW	Unspecified Disused Shafts	1980	59052
G	151m SW	Unspecified Disused Shafts	1974	59052
K	151m E	Unspecified Heap	1958	39397
H	156m S	Unspecified Old Shafts	1908	44592
H	156m S	Disused Distillery	1879	28318
G	158m W	Unspecified Old Shafts	1908	44121
G	159m SW	Unspecified Old Shafts	1908	24438
G	161m SW	Unspecified Shaft	1879	27633
K	161m E	Waste Recycling Centre	1992	25270
G	162m W	Unspecified Disused Shafts	1992	56235
G	162m W	Unspecified Old Shafts	1958	44121
G	162m W	Unspecified Disused Shafts	1980	56235
G	162m W	Unspecified Disused Shafts	1974	56235



ID	Location	Land Use	Date	Group ID
H	163m S	Unspecified Old Shafts	1958	44592
H	163m S	Unspecified Disused Shafts	1980	38298
H	163m S	Unspecified Disused Shafts	1974	38298
J	165m SE	Unspecified Shaft	1879	27620
J	167m SE	Unspecified Old Shafts	1908	24425
M	168m SE	Refuse Heap	1908	22136
M	168m SE	Unspecified Heap	1879	36498
G	169m SW	Unspecified Old Shafts	1908	24522
J	169m SE	Unspecified Disused Shafts	1992	38098
J	169m SE	Unspecified Disused Shafts	1980	38098
J	169m SE	Unspecified Disused Shafts	1974	38098
G	171m SW	Unspecified Disused Shafts	1980	48745
G	171m SW	Unspecified Disused Shafts	1974	48745
N	175m SE	Refuse Heap	1908	55609
N	175m SE	Unspecified Heap	1879	36499
G	176m W	Unspecified Pit	1908	42479
K	178m E	Unspecified Disused Shafts	1992	47450
K	178m E	Unspecified Disused Shafts	1980	47450
K	178m E	Unspecified Disused Shafts	1974	47450
K	178m E	Unspecified Old Shafts	1908	24408
G	181m W	Unspecified Pit	1958	42479
O	183m W	Unspecified Old Shafts	1908	24520
O	183m W	Unspecified Shaft	1879	27593
A	184m S	Refuse Heap	1908	60980
K	186m E	Unspecified Shafts	1879	18914
K	187m E	Unspecified Shafts	1879	18913
G	188m SW	Unspecified Old Shafts	1908	24523
K	189m E	Unspecified Disused Shafts	1992	60377



ID	Location	Land Use	Date	Group ID
K	189m E	Unspecified Disused Shafts	1980	60377
K	189m E	Unspecified Disused Shafts	1974	60377
G	189m SW	Unspecified Disused Shafts	1980	41626
G	189m SW	Unspecified Disused Shafts	1974	41626
P	191m NE	Engine House	1908	31352
2	192m NW	Unspecified Pits	1879	19272
A	192m SE	Unspecified Shaft	1879	27628
Q	193m NW	Unspecified Pit	1958	51806
A	194m S	Unspecified Old Shafts	1908	24431
A	194m S	Unspecified Shaft	1879	27625
Q	197m NW	Unspecified Pit	1908	51806
A	198m S	Unspecified Disused Shafts	1980	52566
A	198m S	Unspecified Disused Shafts	1974	52566
R	200m S	Unspecified Disused Shafts	1980	44084
R	200m S	Unspecified Disused Shafts	1974	44084
R	201m S	Unspecified Old Shafts	1908	24426
S	202m NE	Refuse Heap	1958	57342
T	204m SW	Refuse Heap	1908	46458
T	204m SW	Unspecified Heaps	1879	31757
F	204m S	Unspecified Old Shafts	1908	60236
T	208m SW	Refuse Heaps	1958	37131
F	208m S	Unspecified Old Shafts	1958	60236
F	208m S	Unspecified Disused Shafts	1980	59091
F	208m S	Unspecified Disused Shafts	1974	59091
G	210m SW	Unspecified Disused Shafts	1992	51081
G	210m SW	Unspecified Disused Shafts	1980	51081
G	210m SW	Unspecified Disused Shafts	1974	51081
S	210m NE	Refuse Heap	1908	57342



ID	Location	Land Use	Date	Group ID
P	211m NE	Chimney	1992	44060
P	211m NE	Chimney	1980	44060
P	211m NE	Chimney	1974	44060
Q	212m NW	Unspecified Disused Shafts	1992	53201
Q	212m NW	Unspecified Old Shafts	1958	42023
Q	212m NW	Unspecified Disused Shafts	1980	53201
Q	212m NW	Unspecified Disused Shafts	1974	53201
Q	214m NW	Unspecified Old Shafts	1908	42023
3	214m NE	Refuse Heap	1908	22141
F	214m SW	Unspecified Shaft	1879	27636
E	216m N	Unspecified Disused Shafts	1980	37906
E	216m N	Unspecified Disused Shafts	1974	37906
F	218m SW	Unspecified Old Shafts	1908	24439
F	224m SW	Unspecified Disused Shafts	1980	57444
F	224m SW	Unspecified Disused Shafts	1974	57444
E	225m N	Unspecified Old Shafts	1958	51259
E	231m N	Unspecified Old Shafts	1908	51259
E	233m N	Unspecified Disused Shafts	1980	56405
E	233m N	Unspecified Disused Shafts	1974	56405
U	236m N	Unspecified Disused Shafts	1992	39294
U	236m N	Unspecified Disused Shafts	1980	39294
U	236m N	Unspecified Disused Shafts	1974	39294
A	236m SE	Unspecified Old Shafts	1908	39993
E	237m N	Unspecified Shaft	1879	27596
A	238m SE	Unspecified Disused Shafts	1980	60915
A	238m SE	Unspecified Disused Shafts	1974	60915
A	238m SE	Unspecified Old Shafts	1958	60984
V	238m W	Refuse Heap	1908	51298



ID	Location	Land Use	Date	Group ID
V	238m W	Unspecified Shaft	1879	53982
W	244m S	Refuse Heap	1908	44963
W	244m S	Unspecified Heap	1879	36486
X	247m S	Unspecified Heap	1908	36476
A	248m SE	Unspecified Old Shafts	1908	60984
V	248m W	Unspecified Old Shafts	1958	24521
V	248m W	Unspecified Disused Shafts	1980	43882
V	248m W	Unspecified Disused Shafts	1974	43882
X	248m SE	Unspecified Pit	1958	34024
A	249m SE	Unspecified Disused Shafts	1980	38342
A	249m SE	Unspecified Disused Shafts	1974	38342
W	250m S	Refuse Heap	1958	44963
X	250m S	Unspecified Old Shafts	1908	24430
X	250m S	Unspecified Shaft	1879	27626
V	251m W	Unspecified Old Shafts	1908	24519
V	251m W	Unspecified Shaft	1879	53982
A	251m SE	Unspecified Old Shafts	1958	48245
Y	254m E	Unspecified Shaft	1958	27592
Z	254m NE	Refuse Heap	1908	22140
Z	254m NE	Unspecified Heap	1879	36497
W	255m S	Unspecified Shaft	1879	27639
AA	256m SE	Unspecified Pit	1908	56806
A	257m SE	Unspecified Old Shafts	1908	24440
A	257m SE	Unspecified Disused Shafts	1980	39743
A	257m SE	Unspecified Disused Shafts	1974	39743
E	257m N	Unspecified Old Shafts	1958	24449
E	257m N	Unspecified Disused Shafts	1980	59949
E	257m N	Unspecified Disused Shafts	1974	59949



ID	Location	Land Use	Date	Group ID
X	258m S	Unspecified Disused Shafts	1980	49298
X	258m S	Unspecified Disused Shafts	1974	49298
W	259m S	Unspecified Old Shafts	1908	51669
AB	260m E	Refuse Heaps	1958	37147
AC	260m W	Refuse Heaps	1958	37129
X	262m S	Unspecified Old Shafts	1958	24429
AA	263m SE	Unspecified Pit	1958	58008
W	263m S	Unspecified Disused Shafts	1980	40480
W	263m S	Unspecified Disused Shafts	1974	40480
W	264m S	Unspecified Old Shafts	1958	51669
E	265m N	Unspecified Old Shafts	1908	24448
E	265m N	Unspecified Shaft	1879	27597
Y	266m E	Unspecified Shaft	1879	54489
Y	269m E	Unspecified Disused Shaft	1971	30800
Y	269m E	Unspecified Shaft	1958	58496
Y	269m E	Unspecified Shaft	1992	54387
Y	271m E	Unspecified Shaft	1908	48479
E	272m N	Unspecified Old Shafts	1958	24444
E	272m N	Unspecified Disused Shafts	1980	54765
E	272m N	Unspecified Disused Shafts	1974	54765
AD	273m W	Old Clay Pit	1908	61070
U	274m N	Unspecified Disused Shafts	1992	56215
U	274m N	Unspecified Old Shafts	1958	37401
U	274m N	Unspecified Disused Shafts	1980	56215
U	274m N	Unspecified Disused Shafts	1974	56215
A	277m S	Unspecified Shaft	1879	27627
U	277m N	Unspecified Old Shafts	1908	37401
U	277m N	Unspecified Old Shafts	1958	59916



ID	Location	Land Use	Date	Group ID
U	279m N	Unspecified Old Shafts	1908	59916
AE	279m W	Unspecified Old Shafts	1908	37598
E	279m N	Unspecified Old Shafts	1908	24447
E	279m N	Unspecified Shaft	1879	27602
AD	279m W	Old Clay Pit	1958	61070
AE	279m W	Unspecified Disused Shafts	1980	55616
AE	279m W	Unspecified Disused Shafts	1974	55616
AF	280m SW	Unspecified Old Shafts	1908	55995
U	280m N	Unspecified Disused Shafts	1992	60323
U	280m N	Unspecified Disused Shafts	1980	60323
U	280m N	Unspecified Disused Shafts	1974	60323
AE	280m W	Unspecified Old Shafts	1958	37598
4	281m N	Unspecified Disused Mine	1958	22638
AF	281m SW	Unspecified Disused Shafts	1980	47761
AF	281m SW	Unspecified Disused Shafts	1974	47761
AF	285m SW	Unspecified Old Shafts	1958	55995
AE	288m SW	Unspecified Old Shafts	1908	50642
AE	291m SW	Unspecified Old Shafts	1958	50642
AE	291m SW	Unspecified Disused Shafts	1980	49695
AE	291m SW	Unspecified Disused Shafts	1974	49695
AG	295m S	Unspecified Old Shaft	1908	33567
AG	295m S	Unspecified Shaft	1879	27619
E	299m N	Unspecified Old Shafts	1958	24446
E	302m N	Unspecified Heap	1879	36473
E	304m N	Refuse Heap	1958	22127
W	304m S	Unspecified Old Shafts	1908	24437
W	304m S	Unspecified Shaft	1879	27638
AH	306m S	Unspecified Heap	1908	36488



ID	Location	Land Use	Date	Group ID
E	308m N	Unspecified Old Shafts	1908	24445
E	308m N	Unspecified Shaft	1879	27599
5	308m N	Unspecified Ground Workings	1958	20848
AI	308m S	Unspecified Heap	1879	36489
W	308m S	Unspecified Ground Workings	1879	20595
T	308m SW	Unspecified Old Shafts	1908	24524
T	308m SW	Unspecified Shaft	1879	27637
AH	309m S	Unspecified Ground Workings	1958	20849
T	311m SW	Unspecified Disused Shafts	1980	42328
T	311m SW	Unspecified Disused Shafts	1974	42328
T	311m SW	Unspecified Works	1958	23490
W	312m S	Unspecified Heap	1958	36487
AC	313m W	Refuse Heap	1908	58556
AC	313m W	Unspecified Heap	1879	36481
6	314m E	Refuse Heap	1908	22137
W	315m S	Unspecified Old Shafts	1958	24434
W	315m S	Unspecified Disused Shafts	1980	49250
W	315m S	Unspecified Disused Shafts	1974	49250
AI	317m S	Unspecified Shaft	1879	27640
AI	322m S	Unspecified Old Shafts	1908	56043
AJ	325m N	Unspecified Old Shafts	1958	24451
AC	326m W	Unspecified Shaft	1908	53021
AC	326m W	Unspecified Shaft	1879	47138
AI	326m S	Unspecified Old Shafts	1958	56043
AI	326m S	Unspecified Disused Shafts	1980	40181
AI	326m S	Unspecified Disused Shafts	1974	40181
AK	329m N	Refuse Heap	1908	42176
AK	329m N	Unspecified Heaps	1879	31752



ID	Location	Land Use	Date	Group ID
AJ	331m N	Unspecified Disused Shafts	1992	48782
AJ	331m N	Unspecified Disused Shafts	1980	48782
AJ	331m N	Unspecified Disused Shafts	1974	48782
AK	332m N	Refuse Heap	1958	42176
AC	332m W	Unspecified Disused Shafts	1980	41627
AC	332m W	Unspecified Disused Shafts	1974	41627
AC	336m W	Unspecified Old Shafts	1958	24518
AL	340m NW	Unspecified Heap	1879	36460
AJ	340m N	Unspecified Shaft	1879	27603
AL	342m NW	Unspecified Disused Shafts	1992	56352
AL	342m NW	Unspecified Disused Shafts	1980	56352
AL	342m NW	Unspecified Disused Shafts	1974	56352
AL	343m NW	Unspecified Old Shafts	1908	24471
AL	343m NW	Unspecified Shaft	1879	27598
T	348m SW	Unspecified Old Shafts	1908	49644
AM	349m S	Unspecified Ground Workings	1908	20850
AN	349m SW	Tin Stream Works	1879	30918
W	351m S	Unspecified Old Shafts	1908	39178
AM	354m S	Unspecified Heap	1879	36485
T	354m SW	Unspecified Old Shafts	1958	49644
T	354m SW	Unspecified Disused Shafts	1980	50235
T	354m SW	Unspecified Disused Shafts	1974	50235
AM	355m S	Unspecified Quarry	1958	19834
T	356m SW	Arsenic and Tin Works	1908	33602
W	356m S	Unspecified Old Shafts	1958	39178
AO	360m E	Unspecified Shaft	1958	57834
T	361m SW	Chemical Works	1879	22981
T	361m SW	Unspecified Pit	1908	34027



ID	Location	Land Use	Date	Group ID
AM	362m S	Unspecified Old Shafts	1908	24435
AM	362m S	Unspecified Shaft	1879	27641
T	366m SW	Unspecified Shaft	1879	27635
AP	366m N	Refuse Heap	1958	22135
T	368m SW	Unspecified Old Shafts	1908	53741
W	369m S	Unspecified Old Shafts	1908	48270
AM	372m S	Unspecified Old Shafts	1958	24436
AM	372m S	Unspecified Disused Shafts	1980	39585
AM	372m S	Unspecified Disused Shafts	1974	39585
T	372m SW	Unspecified Old Shafts	1958	53741
T	372m SW	Unspecified Disused Shafts	1980	49900
T	372m SW	Unspecified Disused Shafts	1974	49900
W	373m S	Unspecified Old Shafts	1908	43659
W	373m S	Unspecified Old Shafts	1958	48270
AP	374m N	Unspecified Old Shafts	1958	55618
AH	374m S	Unspecified Pit	1958	34020
W	375m S	Unspecified Old Shafts	1908	42941
W	377m S	Unspecified Old Shafts	1958	43659
W	377m S	Unspecified Disused Shafts	1980	40845
W	377m S	Unspecified Disused Shafts	1974	40845
AP	378m N	Unspecified Old Shafts	1908	55618
AP	379m N	Unspecified Heap	1879	36472
W	381m S	Unspecified Old Shafts	1958	42941
AQ	382m W	Refuse Heaps	1958	37132
AR	385m E	Unspecified Shaft	1958	53699
AP	387m N	Unspecified Disused Shafts	1992	51886
AP	387m N	Unspecified Disused Shafts	1980	51886
AP	387m N	Unspecified Disused Shafts	1974	51886



ID	Location	Land Use	Date	Group ID
AN	388m SW	Chimney	1879	44928
AP	388m N	Unspecified Shaft	1879	27601
AN	388m SW	Chimney	1992	41841
AN	388m SW	Chimney	1980	41841
AN	388m SW	Chimney	1974	41841
AR	390m E	Unspecified Shaft	1908	53699
T	391m SW	Unspecified Pit	1958	34033
AR	391m E	Unspecified Shaft	1992	47289
AR	391m E	Unspecified Disused Shaft	1971	30799
AM	392m S	Unspecified Old Quarry	1879	28775
AB	393m E	Unspecified Heap	1908	54237
AB	393m E	Unspecified Heap	1879	48473
AO	393m E	Unspecified Pit	1879	34019
AO	395m E	Refuse Heap	1958	22139
T	396m SW	Unspecified Heap	1908	41527
T	396m SW	Unspecified Heap	1879	54290
AA	397m S	Unspecified Old Shafts	1908	24427
AA	397m S	Unspecified Shaft	1879	27624
8	397m NW	Unspecified Shaft	1879	27595
AK	399m N	Unspecified Disused Shafts	1992	57856
AK	399m N	Unspecified Old Shafts	1958	54612
AK	399m N	Unspecified Disused Shafts	1980	57856
AK	399m N	Unspecified Disused Shafts	1974	57856
T	402m SW	Unspecified Heap	1958	45292
AS	404m N	Refuse Heap	1958	60913
AK	407m N	Unspecified Old Shafts	1908	54612
AQ	407m SW	Refuse Heap	1908	57209
AQ	407m SW	Unspecified Heaps	1879	31677



ID	Location	Land Use	Date	Group ID
AT	408m NE	Unspecified Heap	1879	36496
AU	409m N	Unspecified Pit	1958	41772
AS	410m N	Unspecified Disused Shafts	1992	60977
AS	410m N	Unspecified Old Shafts	1958	24452
AS	410m N	Unspecified Disused Shafts	1980	60977
AS	410m N	Unspecified Disused Shafts	1974	60977
AK	410m N	Unspecified Shafts	1879	18909
AT	412m NE	Refuse Heap	1958	46652
AO	412m E	Unspecified Shaft	1908	57834
AO	413m E	Unspecified Disused Shaft	1971	30801
AS	414m N	Refuse Heap	1908	60913
AS	414m N	Unspecified Heap	1879	36470
AB	415m E	Unspecified Shaft	1992	58972
AB	415m E	Unspecified Disused Shaft	1971	30802
AB	415m E	Unspecified Shaft	1958	57438
AB	415m E	Unspecified Shaft	1908	52310
AB	415m E	Unspecified Shaft	1879	53152
AT	418m NE	Refuse Heap	1908	51190
AU	420m N	Unspecified Pit	1908	41772
AT	421m NE	Chimney	1971	25179
T	423m SW	Unspecified Old Shafts	1908	24533
AS	425m N	Unspecified Shaft	1879	27179
T	425m SW	Unspecified Disused Shafts	1980	37750
T	425m SW	Unspecified Disused Shafts	1974	37750
T	426m SW	Unspecified Shaft	1879	27568
AT	427m NE	Engine House	1908	31353
T	427m SW	Unspecified Pit	1958	34025
AT	427m NE	Unspecified Disused Shaft	1971	30797



ID	Location	Land Use	Date	Group ID
T	429m SW	Unspecified Heap	1879	36483
9	429m S	Unspecified Pit	1958	34022
AT	434m E	Unspecified Heap	1908	36495
AT	436m NE	Refuse Heap	1958	51190
AM	438m S	Unspecified Pit	1958	34023
T	439m SW	Unspecified Shafts	1879	18911
AT	439m NE	Unspecified Shaft	1992	27604
AV	439m SW	Unspecified Heap	1908	51411
AV	439m SW	Unspecified Heap	1879	45227
AW	446m N	Refuse Heap	1958	44669
AV	453m SW	Unspecified Shaft	1908	58673
AV	453m SW	Unspecified Shaft	1879	44541
AQ	457m SW	Unspecified Old Shafts	1958	24525
T	458m SW	Unspecified Shafts	1879	18904
AX	458m N	Unspecified Heap	1958	44583
AQ	459m SW	Unspecified Shaft	1879	27567
AW	461m N	Refuse Heap	1908	44669
AW	461m N	Unspecified Heap	1879	36500
AQ	462m SW	Unspecified Disused Shafts	1980	38756
AQ	462m SW	Unspecified Disused Shafts	1974	38756
AX	463m N	Refuse Heap	1908	43725
10	465m W	Unspecified Heap	1879	36456
AX	466m N	Refuse Heap	1958	43725
11	469m S	Unspecified Shaft	1879	27645
AY	472m S	Unspecified Old Shafts	1908	24428
AY	472m S	Unspecified Shaft	1879	27623
AZ	472m NW	Unspecified Heap	1879	36459
AZ	475m NW	Unspecified Old Shaft	1908	55501



ID	Location	Land Use	Date	Group ID
AZ	476m NW	Unspecified Old Shaft	1958	55501
AW	477m N	Unspecified Old Shafts	1958	55655
AX	478m N	Unspecified Heap	1879	51323
BA	485m SW	Refuse Heap	1908	38029
BA	485m SW	Unspecified Heap	1879	36458
AW	485m N	Unspecified Old Shafts	1908	55655
BB	489m N	Refuse Heap	1958	37899
AX	489m N	Unspecified Old Shafts	1958	59975
AW	491m N	Unspecified Disused Shafts	1992	51542
AW	491m N	Unspecified Disused Shafts	1980	51542
AW	491m N	Unspecified Disused Shafts	1974	51542
BB	491m N	Refuse Heap	1908	37899
BB	491m N	Unspecified Heap	1879	36469
BA	492m SW	Refuse Heap	1958	38029
12	492m S	Unspecified Pit	1958	57762
BB	493m N	Unspecified Pit	1958	34015
AX	493m N	Unspecified Old Shafts	1908	59975
AW	496m N	Unspecified Shaft	1879	27178
BA	498m SW	Unspecified Shaft	1879	27569
AX	500m N	Unspecified Disused Shafts	1980	57734
AX	500m N	Unspecified Disused Shafts	1974	57734

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

9

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 30**



ID	Location	Land Use	Date	Group ID
C	85m SE	Unspecified Tank	1997	3746
E	193m N	Unspecified Tank	1969	3744
E	214m N	Unspecified Tank	1997	3735
AM	366m S	Unspecified Tank	1969	3754
W	372m S	Unspecified Tank	1908	6691
W	372m S	Unspecified Tank	1969	6691
W	376m S	Unspecified Tanks	1908	4726
7	390m N	Tanks	1997	5049
T	397m SW	Unspecified Tank	1908	3752

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

3

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 30**

ID	Location	Land Use	Date	Group ID
1	130m N	Electricity Substation	1997	1103
L	140m NW	Electricity Substation	1988	1339
L	141m NW	Electricity Substation	1997	2403

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



2.5 Historical garages

Records within 500m

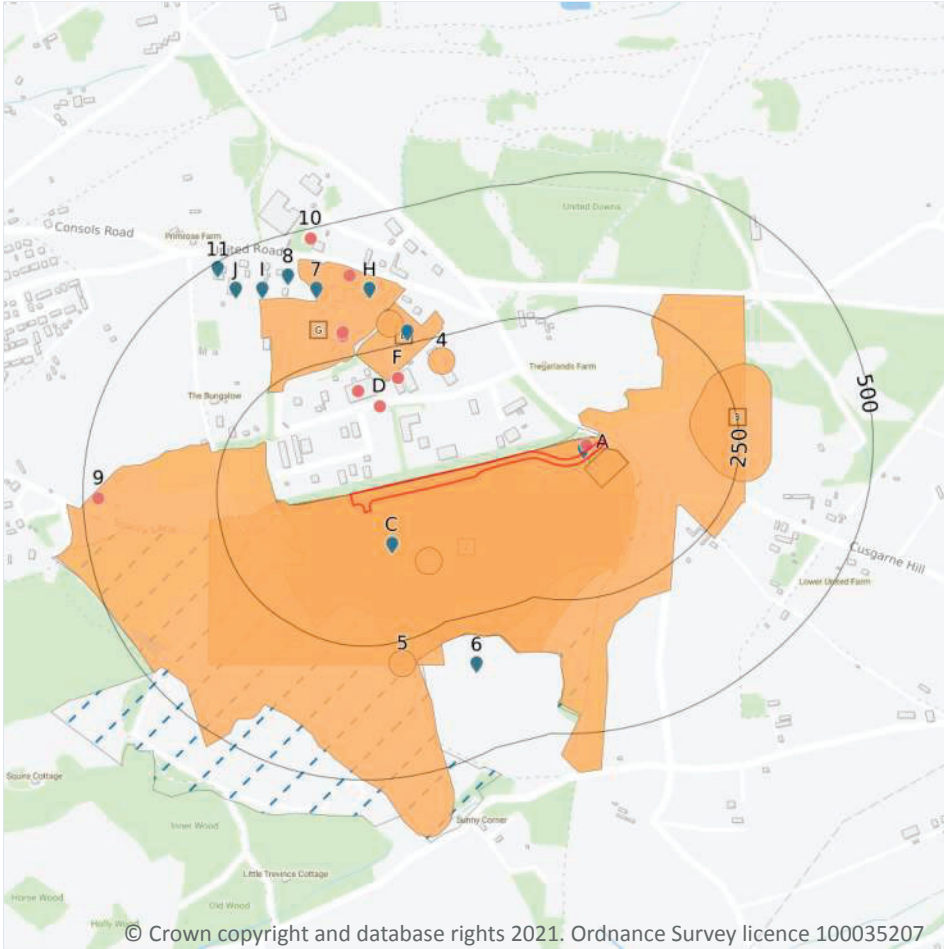
0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Active or recent landfill
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m **1**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 51**

ID	Location	Details
1	On site	<p>Operator: Cornwall Council Site Address: S I T A, Landfill Site, United Downs, St. Day, Redruth, Cornwall, TR16 5HU</p> <p>WML Number: 0 EPR Reference: - Landfill type: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Status: Transfer Effective IPPC Reference: - EPR Number: -</p>

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 **13**

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

Features are displayed on the Waste and landfill map on **page 51**

ID	Location	Address	Further Details	Date
2	On site	Site Address: N/A	Type of Site: Waste Disposal Site Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988

ID	Location	Address	Further Details	Date
A	On site	Site Address: United Downs Landfill Site, REDRUTH, Cornwall, TR16 5HU	Type of Site: Recycling Facility Planning application reference: CC12/0792/96/S Description: Scheme comprises recycling facility. Scheme comprises provision of building for recycling facilities comprising storage area and three roller shutter doors. An application (ref: CC12/0792/96/S) for Detailed Planning permission was submitted to Carrick D .C. on 14th June 1996. Data source: Historic Planning Application Data Type: Point	01/11/1996
B	On site	Site Address: N/A	Type of Site: Waste Disposal Site Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1997
B	On site	Site Address: N/A	Type of Site: Mines Waste Disposal Site Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
A	7m SE	Site Address: N/A	Type of Site: Waste Recycling Centre Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1997
A	7m SE	Site Address: N/A	Type of Site: Waste Recycling Centre Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
B	107m S	Site Address: Cornwall Council United Mines, United Downs, Landfill Site, Redruth, Cornwall, TR16 5HU	Type of Site: Recycling Centre Planning application reference: PA14/08286 Description: Scheme comprises Temporary time extension to the household waste recycling centre (including the area used for container storage/vehicle parking) at the former United Mines landfill site. The associated works include sewer systems, landscaping, infrastructure, enabling works and access roads. Data source: Historic Planning Application Data Type: Point	26/11/2014



ID	Location	Address	Further Details	Date
3	161m E	Site Address: N/A	Type of Site: Waste Recycling Centre (B) Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
4	179m N	Site Address: Plot 23, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Type of Site: Waste Transfer Station Planning application reference: PA12/09322 Description: Scheme comprises change of use of the land to scrap metal storage and processing. construction of a weighbridge office / staff amenity building and installation of a 50ft long weighbridge. construction of an ELV building and adjoining tank farm. construction of a 5 m steel plate fence around a non ferrous compound and along the south eastern boundary. construction of a 6m steel plate fence along the western boundary. construction of 6.5 m steel fences along the north western and eastern boundaries. construction of a non ferrous building. provide for additional planting and landscaping to the north east boundary. Data source: Historic Planning Application Data Type: Point	25/04/2014
E	188m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1997
G	229m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1997
5	266m S	Site Address: United Mines Landfill Site, REDRUTH, Cornwall, TR16 5HU	Type of Site: Workshop/Waste Compound Planning application reference: CC12/0608/98/5 Description: Construction of a compound and electric generators and erection of an office/workshop. An application (ref: CC12/0608/98/5) for Detailed Planning permission was submitted to Carrick D.C. on 13th May 1998. Data source: Historic Planning Application Data Type: Point	-



ID	Location	Address	Further Details	Date
E	268m N	Site Address: Plot 10, United Downs Industrial Estate, St. Day, REDRUTH, Cornwall, TR16 5	Type of Site: Waste Transfer Station Phase 1 Planning application reference: CC12/0414/96/S Description: Scheme comprises three 26 cubic metres for storage for clinical waste and siting of portable building. Scheme comprises three 26 cubic metres for storage for clinical waste and siting of portable building. NEW INFORMATION: A detailed planning application has been submitted to Carrick District Council to go to committee late May, 1996. An application (ref: CC12/0414/96/S) for Detailed Planning permission was submitted to Carrick D.C. on 28th March 1996. Data source: Historic Planning Application Data Type: Point	01/06/1996

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

3.6 Licensed waste sites

Records within 500m	20
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 51**

ID	Location	Details		
A	3m NW	Site Name: United Mines Civic Amenity Site Site Address: St Day, Redruth, Cornwall, TR15 3QX Correspondence Address: United Downs, St Day, Redruth, Cornwall, TR16 5HU	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COU025 EPR reference: - Operator: County Environmental Services Ltd Waste Management licence No: 20572 Annual Tonnage: 0	Issue Date: 28/07/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
C	74m SE	Site Name: United Mines Civic Amenity Site Site Address: St Day, Redruth, Cornwall, TR15 3QX Correspondence Address: Vine Court, Chalkpit Lane, Dorking, Surry, RH4 1AJ	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT011 EPR reference: - Operator: S I T A U K Ltd Waste Management licence No: 20572 Annual Tonnage: 24999	Issue Date: 28/07/1994 Effective Date: 31/10/2006 Modified:: 09/01/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	74m SE	Site Name: United Mines Civic Amenity Site Site Address: United Mines Landfill, United Downs, St Day, Redruth, Cornwall, TR15 3QX Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT011 EPR reference: EA/EPR/HP3896HK/V003 Operator: Sita U K Ltd Waste Management licence No: 20572 Annual Tonnage: 24999	Issue Date: 28/07/1994 Effective Date: 31/10/2006 Modified:: 09/01/2007 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified
C	74m SE	Site Name: United Mines Civic Amenity Site Site Address: United Mines Landfill, United Downs, St Day, Redruth, Cornwall, TR15 3QX Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT011 EPR reference: EA/EPR/HP3896HK/V003 Operator: S I T A U K Ltd Waste Management licence No: 20572 Annual Tonnage: 24999	Issue Date: 28/07/1994 Effective Date: 31/10/2006 Modified:: 09/01/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	74m SE	Site Name: United Mines Landfill Site Site Address: United Downs, St Day, Redruth, Cornwall, TR16 5HU Correspondence Address: -	Type of Site: Co-Disposal Landfill Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COU018 EPR reference: EA/EPR/XP3596HA/V002 Operator: County Environmental Services Ltd Waste Management licence No: 20530 Annual Tonnage: 250000	Issue Date: 24/11/1993 Effective Date: - Modified:: 21/06/2004 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure



ID	Location	Details		
C	74m SE	Site Name: United Mines Civic Amenity Site Site Address: United Mines Landfill, United Downs, St Day, Redruth, Cornwall, TR15 3QX Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT011 EPR reference: EA/EPR/HP3896HK/V006 Operator: Suez Recycling And Recovery U K Ltd Waste Management licence No: 20572 Annual Tonnage: 24999	Issue Date: 28/07/1994 Effective Date: 31/10/2006 Modified:: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	269m N	Site Name: Chosen View Metal Recycling Site Address: Chosen View, United Road, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: Chosen View, United Road, St Day, Redruth, Cornwall, TR16 5HT	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ORC011 EPR reference: - Operator: Orchard J Waste Management licence No: 20659 Annual Tonnage: 0	Issue Date: 22/05/1992 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	269m N	Site Name: John Orchard And Company Site Address: Chosen View, United Road, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ORC011 EPR reference: EA/EPR/CP3496HR/V002 Operator: Orchard J Waste Management licence No: 20659 Annual Tonnage: 24999	Issue Date: 22/05/1992 Effective Date: - Modified:: 01/09/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
6	341m S	Site Name: United Mines Landfill Site Site Address: United Downs, St Day, Redruth, Cornwall, TR16 5HU Correspondence Address: United Downs, St Day, Redruth, Cornwall, TR16 5HU	Type of Site: Co-Disposal Landfill Site Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COU018 EPR reference: - Operator: County Environmental Services Ltd Waste Management licence No: 20530 Annual Tonnage: 0	Issue Date: 24/11/1993 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
H	362m N	Site Name: M Drew Ltd Site Address: United Rd, St Day, Redruth, Cornwall, TR12 5HT Correspondence Address: M. Drew Ltd, United Rd, St Day, Redruth, Cornwall, TR12 5HT	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DRE003 EPR reference: - Operator: M Drew Ltd Waste Management licence No: 20660 Annual Tonnage: 0	Issue Date: 22/05/1992 Effective Date: - Modified:: 16/07/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
H	362m N	Site Name: Drew's Scrapyard Site Address: United Rd, St Day, Redruth, Cornwall, TR12 5HT Correspondence Address: Drew's Scrapyard, United Road, St Day, Redruth, Cornwall, TR16 5HT	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DRE013 EPR reference: - Operator: Drew Robert Waste Management licence No: 20660 Annual Tonnage: 4999	Issue Date: 22/05/1992 Effective Date: 12/10/2004 Modified:: 16/07/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
H	362m N	Site Name: Drew's Scrapyard Site Address: Land/ Premises At, United Rd, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DRE007 EPR reference: EA/EPR/CP3296HE/T003 Operator: Malcolm Drew Ltd Waste Management licence No: 20660 Annual Tonnage: 4999	Issue Date: 22/05/1992 Effective Date: 07/11/2007 Modified:: 16/07/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
H	362m N	Site Name: United Road Tyre Shredding Site Address: Land/ Premises At, United Road, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: -	Type of Site: Physical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DRE012 EPR reference: EA/EPR/PP3396HX/A001 Operator: Drew Malcolm Waste Management licence No: 20068 Annual Tonnage: 4999	Issue Date: 23/07/2003 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
7	385m N	Site Name: Broadagri Site Address: Unit 5, United Downs Industrial Park, St Day, Redruth, Cornwall, TR16 5HY Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BRO024 EPR reference: EA/EPR/PP3696HC/A001 Operator: Broadbank Roy Waste Management licence No: 20075 Annual Tonnage: 2500	Issue Date: 22/07/2004 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	415m NW	Site Name: United View Scrap Yard Site Address: United Road, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAR004 EPR reference: EA/EPR/ZP3096HH/A001 Operator: Ware C F Waste Management licence No: 20665 Annual Tonnage: 4999	Issue Date: 14/05/1993 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Part revoke
I	415m NW	Site Name: United View Scrap Yard Site Address: United Road, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAR004 EPR reference: EA/EPR/ZP3096HH/A001 Operator: Ware Clarence Waste Management licence No: 20665 Annual Tonnage: 4999	Issue Date: 14/05/1993 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
8	422m N	Site Name: The Old Lorry Yard Site Address: The Old Lorry Yard, United Road, United Downs, St Day, Cornwall, TR16 5HT Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DRE015 EPR reference: EA/EPR/LB3838AQ/S002 Operator: Drew Malcolm Robert Waste Management licence No: 104823 Annual Tonnage: 0	Issue Date: 29/11/2012 Effective Date: - Modified:: - Surrendered Date: Jun 7 2017 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
J	437m NW	Site Name: T Ware & Sons Site Address: Heatherbank, United Road, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: Heatherbank, United Road, St Day, Redruth, Cornwall, TR16 5HT	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAR005 EPR reference: - Operator: Thomas & Jennifer Ware Waste Management licence No: 20676 Annual Tonnage: 0	Issue Date: 01/11/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: 13/09/1999 Cancelled Date: - Status: Issued
J	437m NW	Site Name: T Ware & Sons Site Address: Heatherbank, United Road, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAR012 EPR reference: EA/EPR/NP3996HV/T001 Operator: Mrs Jennifer Ware, Thomas Mark Ware And Harry Lee Ware Waste Management licence No: 20676 Annual Tonnage: 5000	Issue Date: 01/11/1996 Effective Date: 04/07/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
11	487m NW	Site Name: T Ware And Sons Site Address: Heatherbank, United Road, St Day, Redruth, Cornwall, TR16 5HT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAR012 EPR reference: EA/EPR/NP3996HV/V002 Operator: Thomas Mark Ware And Harry Lee Ware Waste Management licence No: 20676 Annual Tonnage: 5000	Issue Date: 01/11/1996 Effective Date: 04/07/2005 Modified: 06/02/2019 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

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

3.7 Waste exemptions

Records within 500m

21

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 51**



ID	Location	Site	Reference	Category	Sub-Category	Description
A	9m NW	United Mines landfill site, United Downs, St. Day, Redruth, TR16 5HU	WEX129864	Using waste exemption	Not on a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
A	9m NW	United Mines Household Waste Recycling Centre, United Downs, St Day, Redruth, TR16 5HU	WEX146051	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	9m NW	St day race way, St day, United downs, Redruth, Tr16 5hu	WEX157385	Using waste exemption	On a Farm	Use of waste in construction
D	147m N	The Glass Works United Downs Industrial Park REDRUTH Cornwall TR16 5HY	EPR/RE5259ZX /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
D	184m N	Plot 21, United Downs Industrial Estate, Redruth, Cornwall, TR16 5HY	WEX074440	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
D	184m N	part plot 1e, united downs industrial park, st day, redruth, tr165hy	WEX007077	Using waste exemption	Not on a farm	Use of waste in construction
F	191m N	20a, United Downs Industrial Park, Redruth, TR16 5HY	WEX140967	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	191m N	Unit 11, United Downs Industrial Estate Phase 1, Carharrack, Cornwall, TR16 5HY	WEX153109	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	191m N	Unit 23, Unit 23, United Downs Industrial Park, St Day, TR16 5HY	WEX155680	Disposing of waste exemption	Not on a Farm	Burning waste in the open
F	191m N	Cormac site, United downs industrial estate, St day, TR16 5HY	WEX232296	Using waste exemption	Not on a farm	Use of waste in construction
F	191m N	Cormac site, United downs industrial estate, St day, TR16 5HY	WEX232296	Using waste exemption	Not on a farm	Spreading waste on non-agricultural land to confer benefit
F	191m N	Cormac site, United downs industrial estate, St day, TR16 5HY	WEX232296	Storing waste exemption	Not on a farm	Storage of waste in a secure place

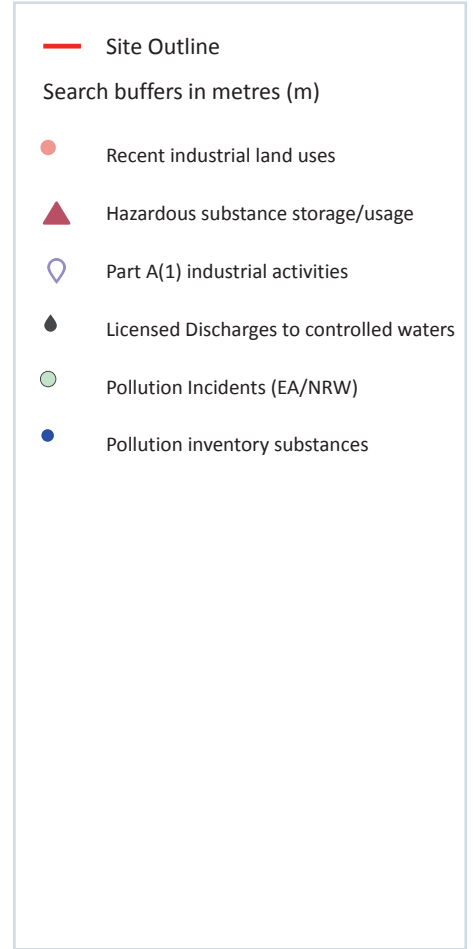


ID	Location	Site	Reference	Category	Sub-Category	Description
F	191m N	UNITED DOWNS INDUSTRIAL PARK, ST. DAY, REDRUTH, TR16 5HY	WEX240928	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	191m N	Unit 20A, United Downs Ind Estate, Redruth, TR16 5HY	WEX115446	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	291m N	UNITED DOWNS INDUSTRIAL PARK, ST. DAY, REDRUTH, TR16 5HY	WEX155510	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
G	295m N	The Glass Works United Downs Industrial Park REDRUTH Cornwall TR16 5HY	EPR/BE5654D N/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
G	295m N	The Glass Works United Downs Industrial Park REDRUTH Cornwall TR16 5HY	EPR/BE5654D N/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
G	296m N	The Glass Works United Downs Industrial Park REDRUTH Cornwall TR16 5HY	EPR/FE5049VT /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
H	397m N	UNITED ROAD, CARHARRACK, REDRUTH, TR16 5HT	WEX241388	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
9	471m W	SAMSFIELD, SPARRY BOTTOM, CARHARRACK, REDRUTH, TR16 5SH	WEX151444	Using waste exemption	Not on a farm	Use of waste in construction
10	482m N	Plot 11 United Downs Industrial Estate Phase 1 Carharrack Cornwall TR16 5HY	EPR/GE5546EY /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place

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 **37**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 63**

ID	Location	Company	Address	Activity	Category
A	26m NW	Chimney	Cornwall, TR16	Chimneys	Industrial Features
B	29m N	Amplestore	Unit A, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Container and Storage	Transport, Storage and Delivery
B	33m N	C F S	C F S Works, United Downs Industrial Park, St Day, Redruth, Cornwall, TR16 5HY	Glass Fibre Services	Industrial Products

ID	Location	Company	Address	Activity	Category
1	34m N	Tormark	Unit 2a, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Distribution and Haulage	Transport, Storage and Delivery
C	35m SE	Waste Recycling Centre	Cornwall, TR16	Recycling Centres	Infrastructure and Facilities
A	46m NW	Shaft	Cornwall, TR16	Unspecified Quarries Or Mines	Extractive Industries
D	61m N	Lockley Concrete Ltd	United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Concrete Products	Industrial Products
D	81m N	Truro Granite	United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Stone Quarrying and Preparation	Extractive Industries
E	88m SE	Tank	Cornwall, TR16	Tanks (Generic)	Industrial Features
D	91m N	Autoshine Wheel Clinic	Unit 1e, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Industrial Coatings and Finishings	Industrial Products
F	96m N	S W Commercial s Ltd	Unit 3d, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Vehicle Bodybuilders	Industrial Products
F	105m N	Gaisford Surf Equipment	Unit 3c, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Hobby, Sports and Pastime Products	Consumer Products
G	114m N	County Tyre Group	United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Vehicle Parts and Accessories	Motoring
H	115m NW	5 Star Maintenance S W Ltd	Unit 8, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Construction Completion Services	Construction Services
3	123m N	Electricity Sub Station	Cornwall, TR16	Electrical Features	Infrastructure and Facilities
H	124m NW	Pressure Services	Unit 6, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Cleaning Equipment and Supplies	Industrial Products
H	130m NW	Scaffolding South West Ltd	Unit 10, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Construction and Tool Hire	Hire Services
G	140m N	Flogas	Unit 3, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
H	141m NW	Eden Flooring & Interiors	R M D House, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Construction Completion Services	Construction Services



ID	Location	Company	Address	Activity	Category
H	143m NW	Electricity Sub Station	Cornwall, TR16	Electrical Features	Infrastructure and Facilities
I	168m SE	Shaft	Cornwall, TR16	Unspecified Quarries Or Mines	Extractive Industries
4	168m W	Shaft	Cornwall, TR16	Unspecified Quarries Or Mines	Extractive Industries
H	170m N	Tonkin Recovery	United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Vehicle Breakdown and Recovery Services	Personal, Consumer and Other Services
5	170m N	Gas Governor	Cornwall, TR16	Gas Features	Infrastructure and Facilities
6	180m N	Frewfix	Unit 23, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Civil Engineers	Engineering Services
G	183m N	Spraystation 2	Unit 19, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Vehicle Repair, Testing and Servicing	Repair and Servicing
G	183m N	T L K Scaffolding Services Ltd	Unit 19, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Construction and Tool Hire	Hire Services
G	184m N	The Tuning-shop Ltd	Unit 21-23, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Vehicle Parts and Accessories	Motoring
H	184m N	J R Motorsport	20a, United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Vehicle Repair, Testing and Servicing	Repair and Servicing
7	191m E	Shaft	Cornwall, TR16	Unspecified Quarries Or Mines	Extractive Industries
H	203m N	Tank	Cornwall, TR16	Tanks (Generic)	Industrial Features
G	213m N	Bodyworx	United Downs Industrial Park, St. Day, Redruth, Cornwall, TR16 5HY	Vehicle Repair, Testing and Servicing	Repair and Servicing
8	215m NE	Chimney	Cornwall, TR16	Chimneys	Industrial Features
H	220m N	Shaft	Cornwall, TR16	Unspecified Quarries Or Mines	Extractive Industries
9	226m S	United Mines Landfill Scheme - Landfill Gas (DECC)	St Day, Redruth, Cornwall, TR16	Energy Production	Industrial Features



ID	Location	Company	Address	Activity	Category
G	240m N	United Downs Industrial Park	Cornwall, TR16	Business Parks and Industrial Estates	Industrial Features
G	245m N	Scrap Yard	Cornwall, TR16	Scrap Metal Merchants	Recycling Services

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m **0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m **0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m **0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m **0**

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

This data is sourced from Local Authority records.



4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

1

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

Features are displayed on the Current industrial land use map on **page 63**

ID	Location	Details	
G	111m N	Application reference number: HS12/2105/03/B Application status: Approved Application date: 08/10/2003 Address: Flogas UK Ltd, Unit 3, United Downs Ind Pk, St Day, Redruth, Cornwall, England, TR16 5HY	Details: Hazardous Substance Application For The Storage Of Up To 50 Tonnes Of Liquified Petroleum Gas Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified

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

35

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

Features are displayed on the Current industrial land use map on **page 63**

ID	Location	Details	
A	3m NW	Operator: COUNTY ENVIRONMENTAL SERVICES LTD Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BK2429 Original Permit Number: BK2429	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: MP3439MH Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 03/11/2006 Effective Date: 03/11/2006 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: ASSOCIATED PROCESS Permit Number: MP3836FU Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 17/02/2014 Effective Date: 17/02/2014 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: MP3836FU Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 17/02/2014 Effective Date: 17/02/2014 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: ASSOCIATED PROCESS Permit Number: SP3434GP Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 21/01/2009 Effective Date: 21/01/2009 Last date noted as effective: 26/10/2020 Status: SUPERCEDED



ID	Location	Details	
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: SP3434GP Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 21/01/2009 Effective Date: 21/01/2009 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: SP3434GP Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 21/01/2009 Effective Date: 21/01/2009 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: ASSOCIATED PROCESS Permit Number: SP3632XW Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 08/08/2008 Effective Date: 08/08/2008 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: SP3632XW Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 08/08/2008 Effective Date: 08/08/2008 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BP3933MY Original Permit Number: BK2429IG	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 02/07/2007 Status: DETERMINATION
E	77m SE	Operator: SUEZ RECYCLING AND RECOVERY UK LTD Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: ASSOCIATED PROCESS Permit Number: MP3733DR Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 06/06/2016 Effective Date: 06/06/2016 Last date noted as effective: 26/10/2020 Status: SUPERCEDED



ID	Location	Details	
E	77m SE	Operator: SUEZ RECYCLING AND RECOVERY UK LTD Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: MP3733DR Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 06/06/2016 Effective Date: 06/06/2016 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SUEZ RECYCLING AND RECOVERY UK LTD Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: MP3733DR Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 06/06/2016 Effective Date: 06/06/2016 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SUEZ RECYCLING AND RECOVERY UK LTD Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: TP3134YZ Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 24/08/2018 Effective Date: 24/08/2018 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: BK2429IG Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 18/08/2004 Effective Date: 18/08/2004 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: BK2429IG Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 18/08/2004 Effective Date: 18/08/2004 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: FP3232SE Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 12/07/2005 Effective Date: 12/07/2005 Last date noted as effective: 26/10/2020 Status: SUPERCEDED



ID	Location	Details	
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: FP3232SE Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 12/07/2005 Effective Date: 12/07/2005 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: FP3338SU Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 04/03/2005 Effective Date: 04/03/2005 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BK2429IG Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 18/08/2004 Effective Date: 18/08/2004 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: FP3232SE Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 12/07/2005 Effective Date: 12/07/2005 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: FP3338SU Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 04/03/2005 Effective Date: 04/03/2005 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: COUNTY ENVIRONMENTAL SERVICES LIMITED Installation Name: UNITED DOWNS LANDFILL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: FP3338SU Original Permit Number: BK2429IG	EPR Reference: - Issue Date: 04/03/2005 Effective Date: 04/03/2005 Last date noted as effective: 26/10/2020 Status: SUPERCEDED



ID	Location	Details	
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: ASSOCIATED PROCESS Permit Number: MP3439MH Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 03/11/2006 Effective Date: 03/11/2006 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: MP3439MH Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 03/11/2006 Effective Date: 03/11/2006 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: MP3439MH Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 03/11/2006 Effective Date: 03/11/2006 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: MP3836FU Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 17/02/2014 Effective Date: 17/02/2014 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT 50MW Permit Number: SP3434GP Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 21/01/2009 Effective Date: 21/01/2009 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: SP3632XW Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 08/08/2008 Effective Date: 08/08/2008 Last date noted as effective: 26/10/2020 Status: SUPERCEDED



ID	Location	Details	
E	77m SE	Operator: SITA UK LIMITED Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: SP3632XW Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 08/08/2008 Effective Date: 08/08/2008 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SUEZ RECYCLING AND RECOVERY UK LTD Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: ASSOCIATED PROCESS Permit Number: TP3134YZ Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 24/08/2018 Effective Date: 24/08/2018 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
E	77m SE	Operator: SUEZ RECYCLING AND RECOVERY UK LTD Installation Name: UNITED MINES LANDFILL EPR/MP3439MH Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: TP3134YZ Original Permit Number: MP3439MH	EPR Reference: - Issue Date: 24/08/2018 Effective Date: 24/08/2018 Last date noted as effective: 26/10/2020 Status: SUPERCEDED
K	284m E	Operator: CORNWALL COUNCIL Installation Name: UNITED MINES LANDFILL Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: UP3035QX Original Permit Number: UP3035QX	EPR Reference: - Issue Date: 02/09/2019 Effective Date: 02/09/2019 Last date noted as effective: 26/10/2020 Status: TRANSFER EFFECTIVE
K	284m E	Operator: CORNWALL COUNCIL Installation Name: UNITED MINES LANDFILL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: UP3035QX Original Permit Number: UP3035QX	EPR Reference: - Issue Date: 02/09/2019 Effective Date: 02/09/2019 Last date noted as effective: 26/10/2020 Status: TRANSFER EFFECTIVE
K	284m E	Operator: CORNWALL COUNCIL Installation Name: UNITED MINES LANDFILL Process: ASSOCIATED PROCESS Permit Number: UP3035QX Original Permit Number: UP3035QX	EPR Reference: - Issue Date: 02/09/2019 Effective Date: 02/09/2019 Last date noted as effective: 26/10/2020 Status: TRANSFER EFFECTIVE

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



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

Records within 500m

0

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

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

3

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 63**

ID	Location	Address	Details	
L	360m N	UNITED ROAD, ST DAY, REDRUTH	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: NRA-SW-7759 Permit Version: 1 Receiving Water: -	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/12/1995 Effective Date: 28/12/1995 Revocation Date: 01/04/2010
M	422m NW	UNITED ROAD, ST DAY, REDRUTH	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: NRA-SW-7643 Permit Version: 1 Receiving Water: SOAKAWAY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 11/12/1995 Effective Date: 11/12/1995 Revocation Date: 16/12/2012
M	422m NW	UNITED ROAD, ST DAY, REDRUTH	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: NRA-SW-7643 Permit Version: 2 Receiving Water: SOAKAWAY	Status: VARIED UNDER EPR 2010 Issue date: 17/12/2012 Effective Date: 17/12/2012 Revocation Date: -

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m 0

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

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

4.15 Pollutant release to public sewer

Records within 500m 0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m 0

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

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

4.17 List 2 Dangerous Substances

Records within 500m 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 13

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

Features are displayed on the Current industrial land use map on **page 63**

ID	Location	Details	
C	38m SE	Incident Date: 15/05/2002 Incident Identification: 79084 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
2	73m S	Incident Date: 15/03/2002 Incident Identification: 64253 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
I	137m SE	Incident Date: 05/03/2003 Incident Identification: 141188 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	199m NW	Incident Date: 09/10/2019 Incident Identification: 1744826 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
J	199m NW	Incident Date: 09/10/2019 Incident Identification: 1744826 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
10	265m N	Incident Date: 01/10/2002 Incident Identification: 111878 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	353m N	Incident Date: 29/05/2002 Incident Identification: 81940 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
11	371m N	Incident Date: 16/05/2002 Incident Identification: 79118 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
12	386m W	Incident Date: 26/07/2002 Incident Identification: 94538 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
N	432m N	Incident Date: 20/08/2001 Incident Identification: 25533 Pollutant: Atmospheric Pollutants and Effects:Atmospheric Pollutants and Effects:Contaminated Water Pollutant Description: Fumes:Smoke:Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)



ID	Location	Details	
N	432m N	Incident Date: 20/08/2001 Incident Identification: 25533 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
N	432m N	Incident Date: 20/08/2001 Incident Identification: 25533 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
N	432m N	Incident Date: 20/08/2001 Incident Identification: 25533 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 63**

ID: E, Location: 77m SE, Permit: MP3439MH
 Operator: Suez Recycling And Recovery Uk Ltd
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: United Mines Landfill Site United Downs St. Day Cornwall TR16 5HU
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	232000kg

ID: E, Location: 77m SE, Permit: MP3439MH
 Operator: Suez Recycling And Recovery Uk Ltd
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: United Mines Landfill Site United Downs St. Day Cornwall TR16 5HU
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	16100000kg

ID: E, Location: 77m SE, Permit: MP3439MH
Operator: Suez Recycling And Recovery Uk Ltd
Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
Address: United Mines Landfill Site United Downs St. Day Cornwall TR16 5HU
Sector: Landfill, Sub-sector: Non Hazardous Landfill
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Chlordane	0.1kg	Below Reporting Threshold
Wastewater	Heptachlor	0.1kg	Below Reporting Threshold
Wastewater	Isodrin	0.0005kg	Below Reporting Threshold
Wastewater	Pentachlorobenzene	0.1kg	Below Reporting Threshold
Wastewater	Vinyl chloride	1kg	Below Reporting Threshold
Wastewater	Triphenyltin and compounds - as TPT	0.1kg	Below Reporting Threshold
Wastewater	Hexachlorobutadiene	0.1kg	Below Reporting Threshold
Wastewater	Aldrin	0.0005kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Tetrachloroethane (1,1,2,2-Tetrachloroethane)	10kg	Below Reporting Threshold
Air	Perfluorocarbons (PFCs)	10kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Butadiene (1,3-Butadiene)	100kg	Below Reporting Threshold
Air	Trichloroethylene	1000kg	Below Reporting Threshold
Air	Tetrachloroethylene (PER)	100kg	Below Reporting Threshold
Air	Methyl chloroform (1,1,1-Trichloroethane)	10kg	Below Reporting Threshold
Wastewater	Dichlorvos	0.0005kg	Below Reporting Threshold
Wastewater	Dieldrin	0.0005kg	Below Reporting Threshold
Air	Vinyl chloride	1000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Hexachlorobenzene (HCB)	0.01kg	Below Reporting Threshold
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Wastewater	Chlorpyrifos	0.1kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Wastewater	Ethyl benzene	10kg	Below Reporting Threshold
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	Below Reporting Threshold
Air	Hexachlorocyclohexane (HCH) -all isomers	1kg	Below Reporting Threshold
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Air	Hydrochlorofluorocarbons (HCFCs)	1kg	Below Reporting Threshold
Air	Chlorofluorocarbons (CFCs)	1kg	Below Reporting Threshold
Air	Halons	1kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Chloroform (Trichloromethane)	100kg	Below Reporting Threshold
Wastewater	Endosulfan	0.0005kg	Below Reporting Threshold
Wastewater	Endrin	0.0005kg	Below Reporting Threshold
Wastewater	Naphthalene	1kg	Below Reporting Threshold
Wastewater	Pentachlorophenol (PCP)	0.05kg	Below Reporting Threshold
Wastewater	Tributyltin and compounds - as TBT	0.005kg	Below Reporting Threshold
Wastewater	Trifluralin	0.001kg	Below Reporting Threshold
Wastewater	Benzene	10kg	Below Reporting Threshold
Wastewater	Carbon tetrachloride (Tetrachloromethane)	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Chloroform (Trichloromethane)	5kg	Below Reporting Threshold
Wastewater	Ethylene dichloride (1,2-Dichloroethane)	10kg	Below Reporting Threshold
Wastewater	Toluene	10kg	Below Reporting Threshold
Wastewater	Trichlorobenzene - all isomers	0.01kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Air	Ethylene dichloride (1,2-Dichloroethane)	1000kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold
Air	Trichlorobenzene - all isomers	1kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Wastewater	Phenols - total as C	20kg	Below Reporting Threshold

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

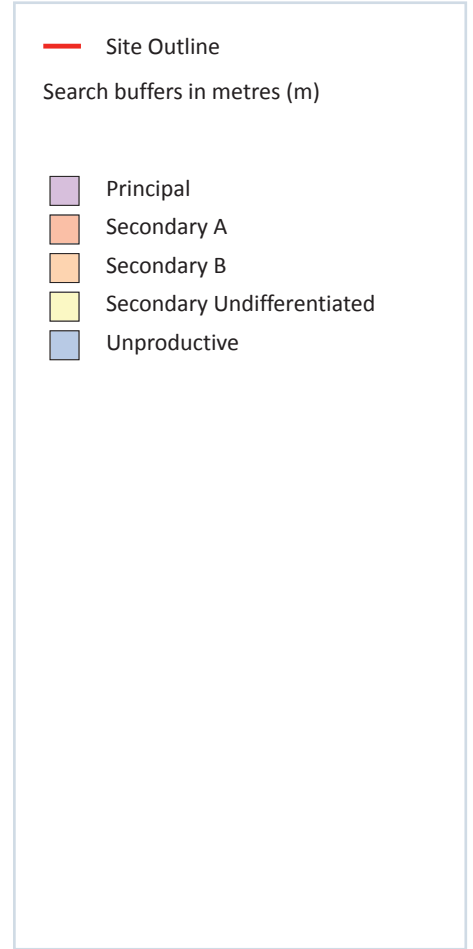
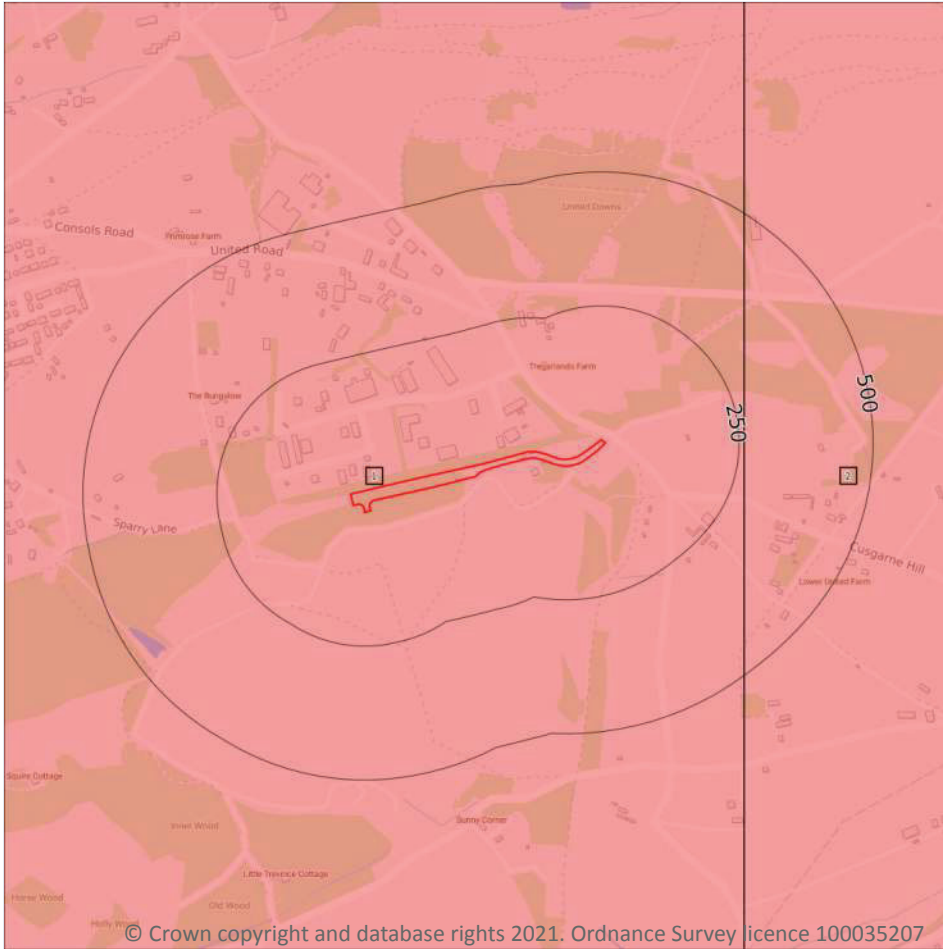
0

Aquifer status of groundwater held within superficial geology.

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

2

Aquifer status of groundwater held within bedrock geology.

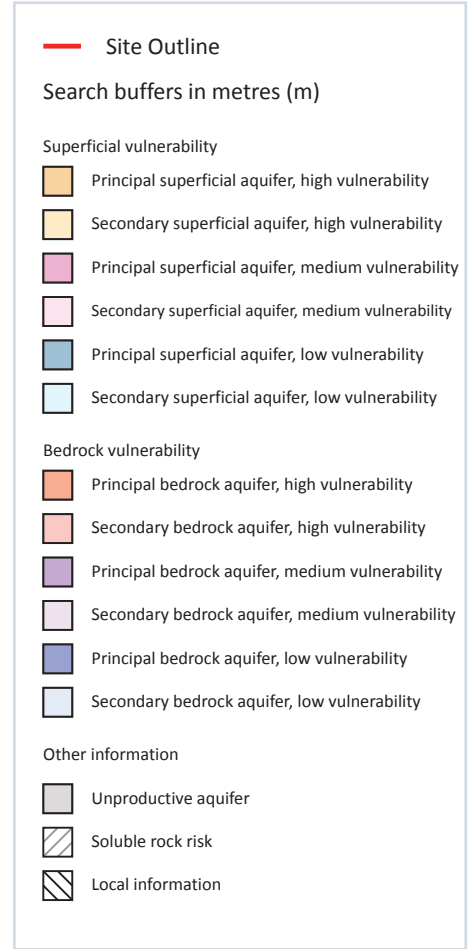
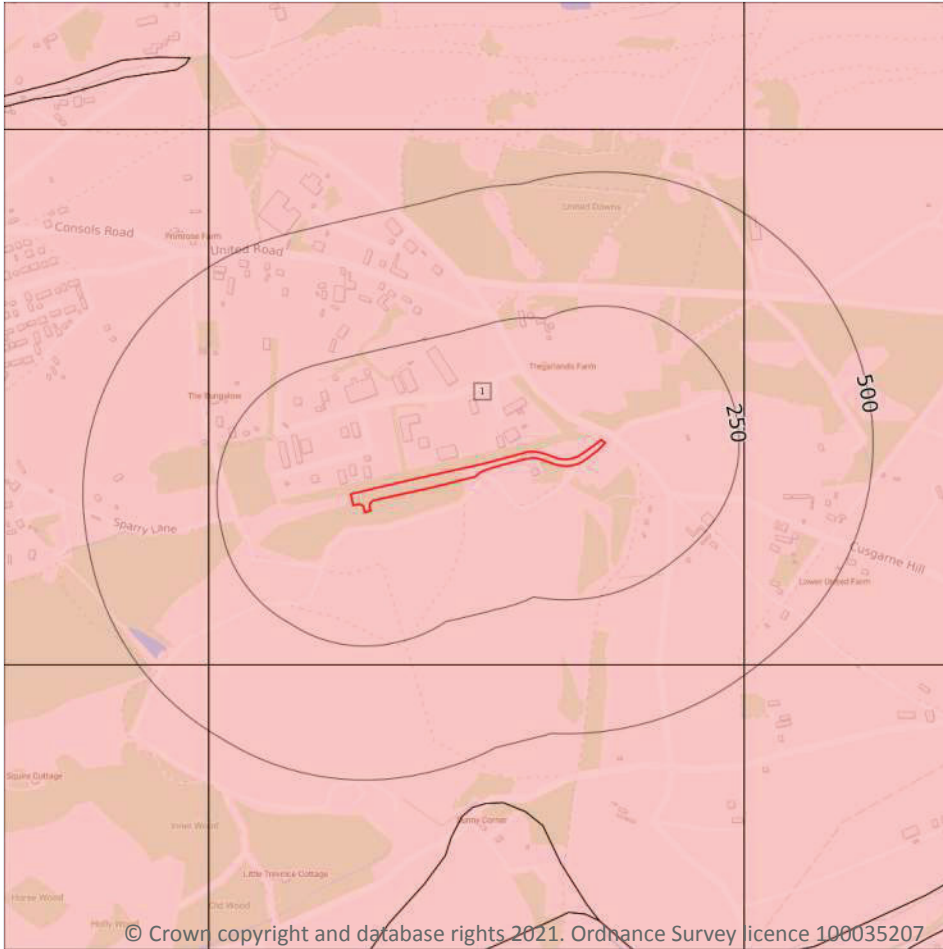
Features are displayed on the Bedrock aquifer map on **page 82**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	259m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



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 84**

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: No Data	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

8

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 86**

ID	Location	Details	
-	1046m SE	Status: Historical Licence No: 15/48/022/G/090 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "CUSGARNE MANOR FARM, LOWER CUSGARNE - WELL" Data Type: Point Name: Bailey Easting: 175400 Northing: 40600	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: 11/06/1987 Version End Date: -
-	1046m SE	Status: Historical Licence No: 15/48/022/G/090 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CUSGARNE MANOR FARM, LOWER CUSGARNE - WELL Data Type: Point Name: Bailey Easting: 175400 Northing: 40600	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: 11/06/1987 Version End Date: -
-	1855m S	Status: Historical Licence No: 15/48/022/G/111 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "SOUTH TRESAMBLE FARM, GWENNAP - WELL" Data Type: Point Name: Penna Easting: 174800 Northing: 39500	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: -
-	1855m S	Status: Historical Licence No: 15/48/022/G/111 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: SOUTH TRESAMBLE FARM, GWENNAP - WELL Data Type: Point Name: Penna Easting: 174800 Northing: 39500	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: -
-	1878m W	Status: Historical Licence No: 15/48/022/G/030 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "CARN VILLA, CAMBORNE-REDRUTH - BOREHOLE" Data Type: Point Name: Green Easting: 172400 Northing: 41100	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: 01/02/1988 Version End Date: -



ID	Location	Details	
-	1878m W	Status: Historical Licence No: 15/48/022/G/030 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CARN VILLA, CAMBORNE-REDRUTH - BOREHOLE Data Type: Point Name: Green Easting: 172400 Northing: 41100	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: 01/02/1988 Version End Date: -
-	1977m W	Status: Historical Licence No: 15/48/022/G/012 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "WELL FARM, REDRUTH - WELL" Data Type: Point Name: Davis Easting: 172300 Northing: 41100	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: 16/02/1981 Version End Date: -
-	1977m W	Status: Historical Licence No: 15/48/022/G/012 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WELL FARM, REDRUTH - WELL Data Type: Point Name: Davis Easting: 172300 Northing: 41100	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: 16/02/1981 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

4

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 86**



ID	Location	Details	
A	454m SW	Status: Historical Licence No: 15/48/022/S/040 Details: Dust Suppression Direct Source: Surface Water - Fresh Point: INLAND WATER UNNAMED TRIBUTARY OF HICKS MILL STREAM Data Type: Point Name: SITA Cornwall Ltd Easting: 173910 Northing: 41020	Annual Volume (m ³): 20000 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 28/02/2007 Expiry Date: 31/03/2018 Issue No: 101 Version Start Date: 28/02/2007 Version End Date: -
A	473m SW	Status: Historical Licence No: 15/48/022/S/041 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: Surface Water - Fresh Point: UNNAMED TRIB OF HICKS MILL STREAM AT UNITED DOWNS Data Type: Point Name: SUEZ UK Environment Ltd Easting: 173880 Northing: 41030	Annual Volume (m ³): 79000 Max Daily Volume (m ³): 3200 Original Application No: - Original Start Date: 28/02/2007 Expiry Date: 31/03/2018 Issue No: 103 Version Start Date: 27/07/2016 Version End Date: -
-	1030m S	Status: Historical Licence No: 15/48/022/S/039 Details: Dust suppression Direct Source: Surface Water - Fresh Point: "UNITED MINES LANDFILL SITE, GWENNAP - STREAM" Data Type: Point Name: County Environmental Services Easting: 175050 Northing: 40410	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/05/1995 Expiry Date: - Issue No: 100 Version Start Date: 14/05/1997 Version End Date: -
-	1030m S	Status: Historical Licence No: 15/48/022/S/039 Details: Dust Suppression Direct Source: Surface Water - Fresh Point: UNITED MINES LANDFILL SITE, GWENNAP - STREAM Data Type: Point Name: SUEZ Recycling and Recovery UK Ltd Easting: 175050 Northing: 40410	Annual Volume (m ³): 11,440 Max Daily Volume (m ³): 44 Original Application No: - Original Start Date: 14/05/1995 Expiry Date: - Issue No: 103 Version Start Date: 28/06/2016 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m **0**

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

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

5.9 Source Protection Zones

Records within 500m **0**

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m **0**

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

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



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

2

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 91**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	226m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	249m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	1
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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 91**

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 91**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River WB catchment	Hicks Mill Stream	GB108048001150	Fal	West Cornwall and the Fal

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 91**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	910m S	River	Hicks Mill Stream	GB108048001150	Poor	Fail	Poor	2016

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 91**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	South Cornwall	GB40802G800200	Poor	Poor	Good	2015

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 Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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



7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

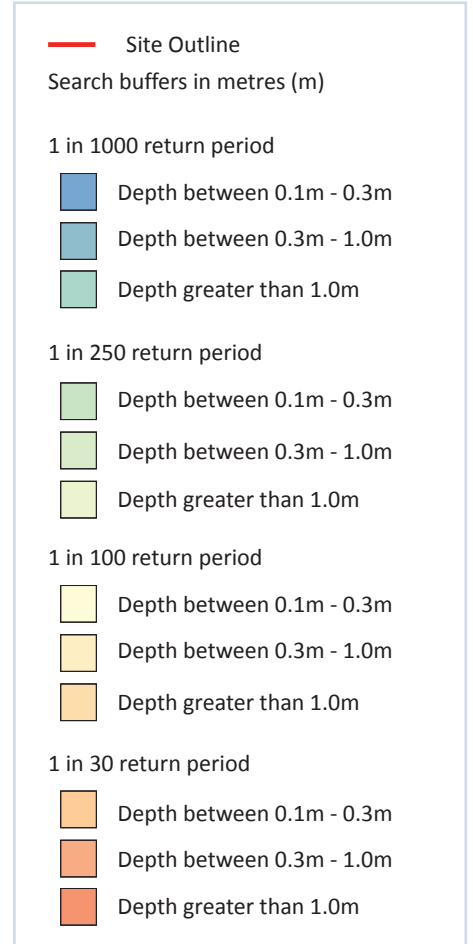
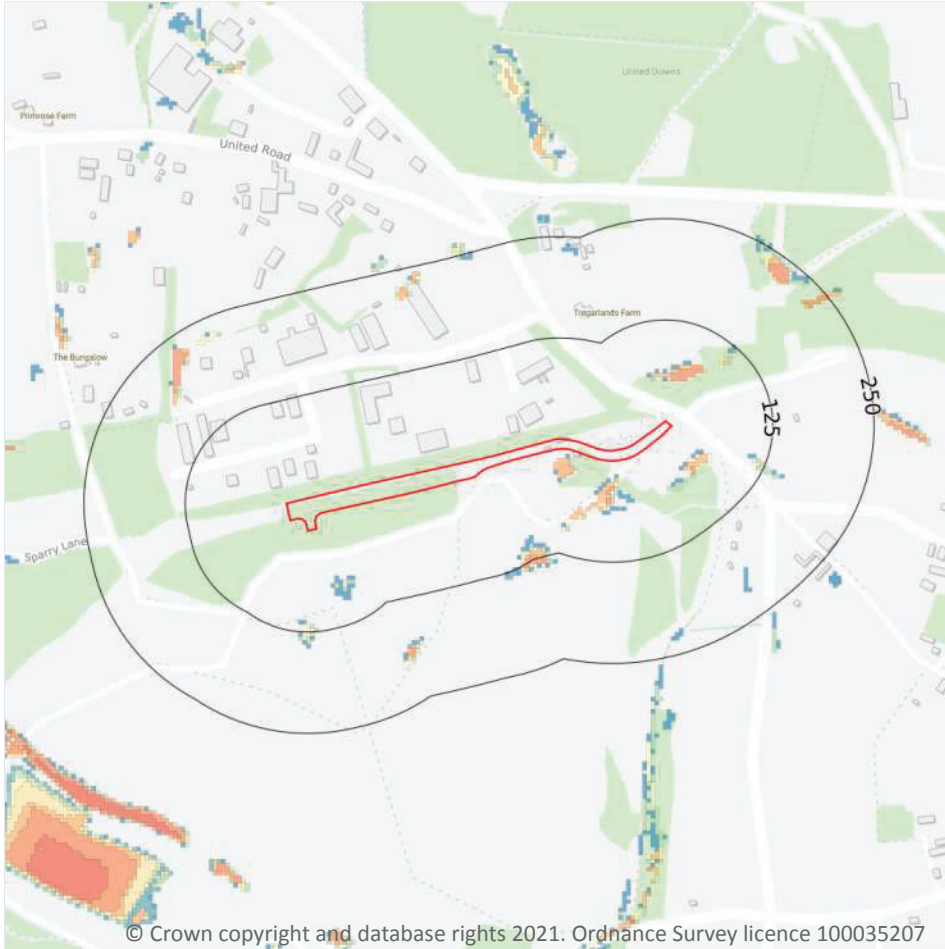
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on **page 97**

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 99**

This data is sourced from Ambient Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on **page 100**

ID	Location	Name	Data source
1	1132m N	West Cornwall Bryophytes	Natural England



ID	Location	Name	Data source
-	1844m NW	Wheal Gorland	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

0

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.

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

2

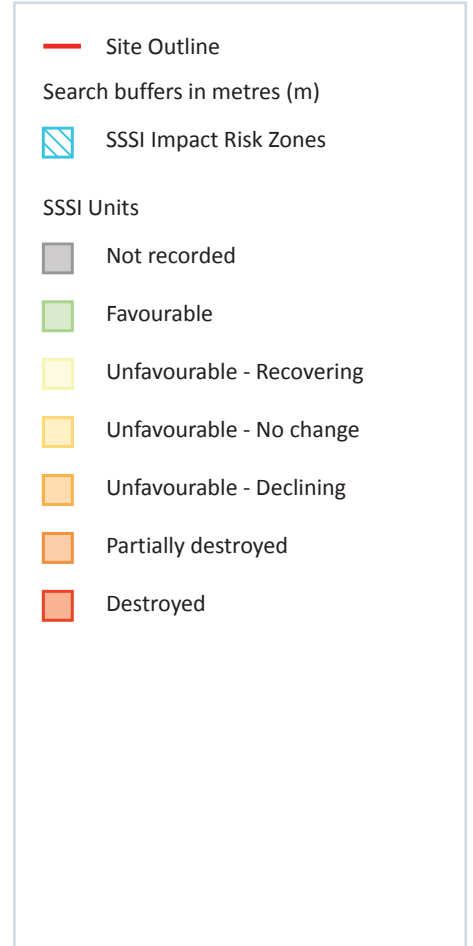
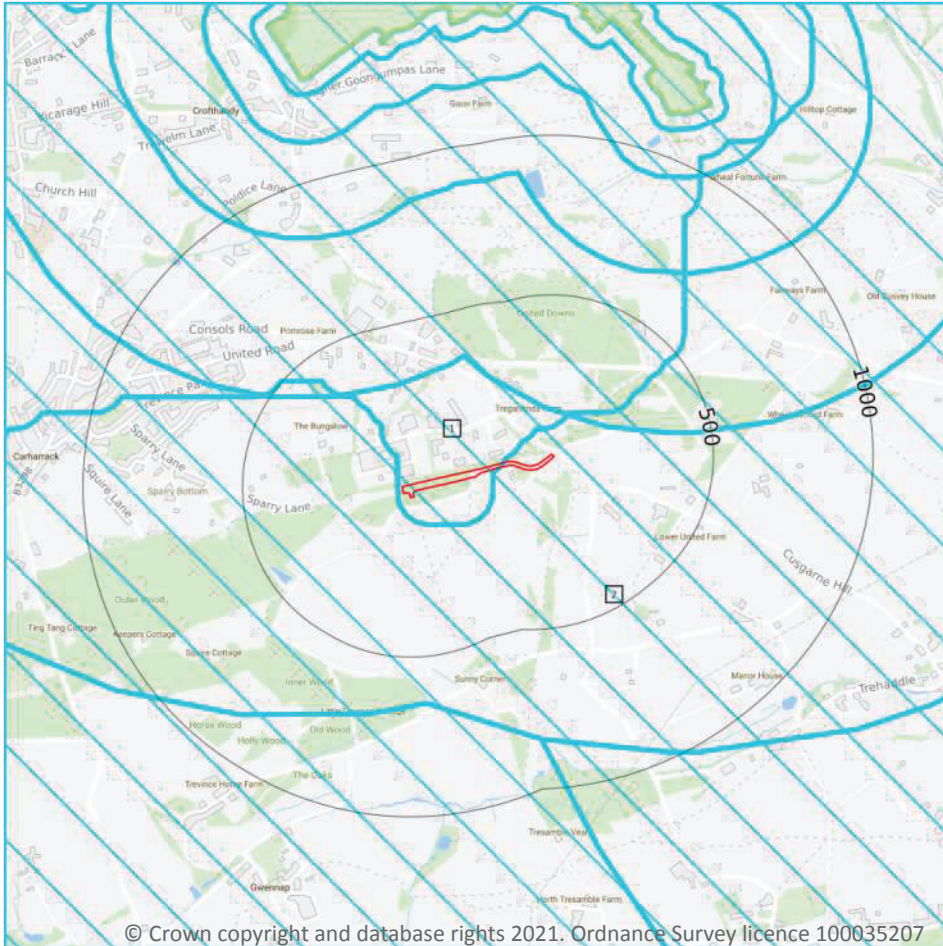
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Truro, Tresillian and Falmouth	Eutrophic Water	ET5	Changed
173m SW	Truro, Tresillian and Falmouth	Eutrophic Water	ET5	Changed

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

2

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

Features are displayed on the SSSI Impact Zones and Units map on **page 105**

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). 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>Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha.</p> <p>Residential - Residential development of 100 units or more.</p> <p>Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream (NB This does not include discharges to mains sewer which are unlikely to pose a risk at this location).</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.</p> <p>Notes: Local Plan policy applies in this area regarding increased recreational pressure from new residential and tourist accommodation on internationally protected sites. Check with Local Planning Authority.</p>
2	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). 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>Residential - Residential development of 100 units or more.</p> <p>Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.</p> <p>Notes: Local Plan policy applies in this area regarding increased recreational pressure from new residential and tourist accommodation on internationally protected sites. Check with Local Planning Authority.</p>

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

2

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

Features are displayed on the SSSI Impact Zones and Units map on **page 105**

ID: 13
 Location: 1132m N
 SSSI name: West Cornwall Bryophytes
 Unit name: Poldice Valley
 Broad habitat: Inland Rock
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Bryophyte assemblage	Favourable	01/10/2010

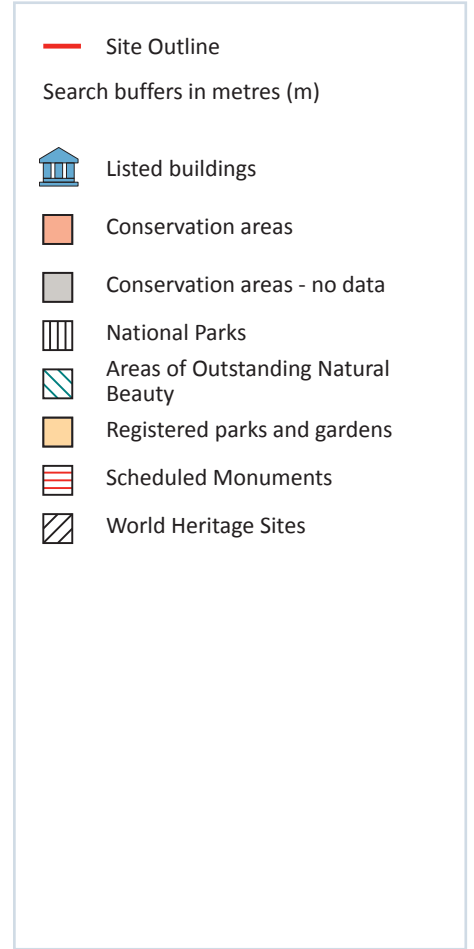
ID: -
 Location: 1844m NW
 SSSI name: Wheal Gorland
 Unit name: Wheal Gorland
 Broad habitat: Earth Heritage
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
FD - Mineralogy	Unfavourable - Declining	14/07/2010

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



11 Visual and cultural designations



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11.1 World Heritage Sites

Records within 250m

1

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.

Features are displayed on the Visual and cultural designations map on **page 108**

ID	Location	Name	Data Source
1	20m NE	Cornwall and West Devon Mining Landscape	Historic England

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**2**

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

Features are displayed on the Visual and cultural designations map on **page 108**

ID	Location	Name	Grade	Reference Number	Listed date
2	23m NW	Eldons Engine House (Ivey House) At SW 748415 SW, Gwennap, Cornwall, TR16	II	1140937	03/02/1986
3	213m NE	United Mines, Engine House At SW 746414 SW, Gwennap, Cornwall, TR16	II	1136440	03/02/1986

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



11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

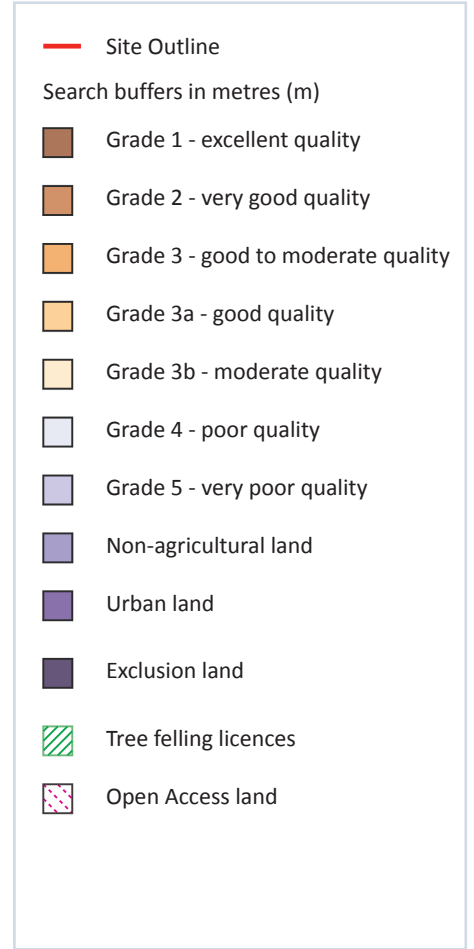
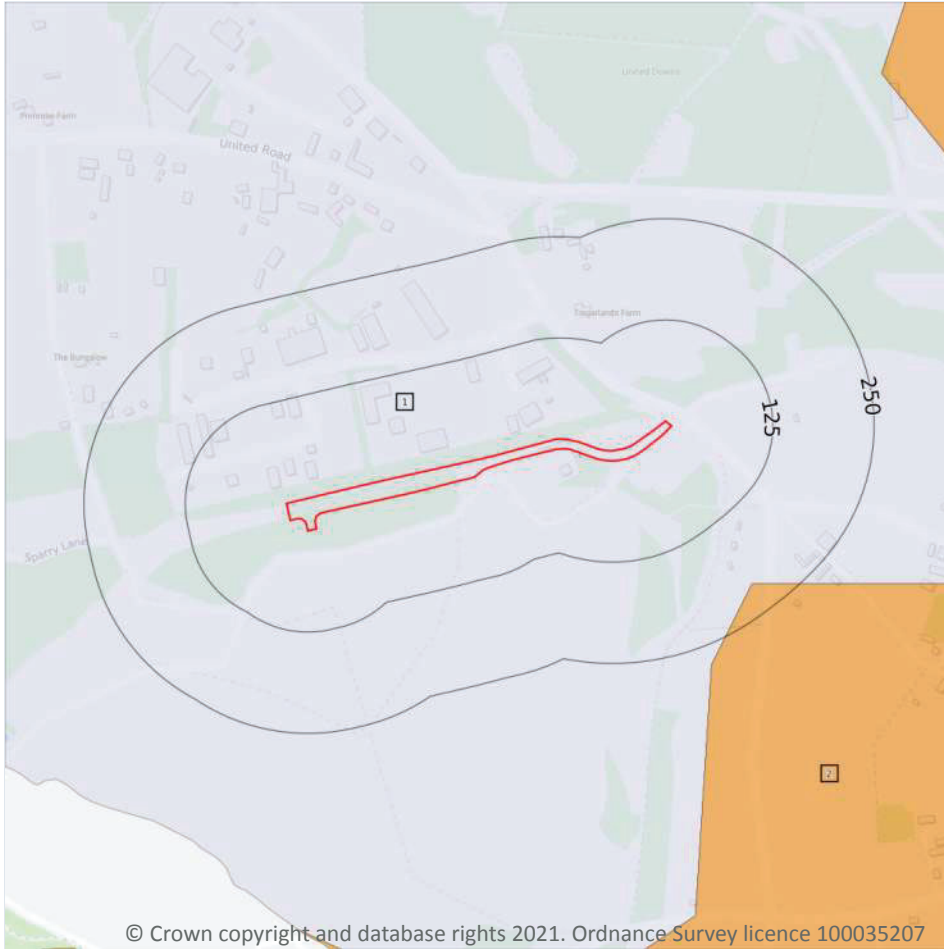
0

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 English Heritage, 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 111**

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

ID	Location	Classification	Description
2	212m SE	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.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

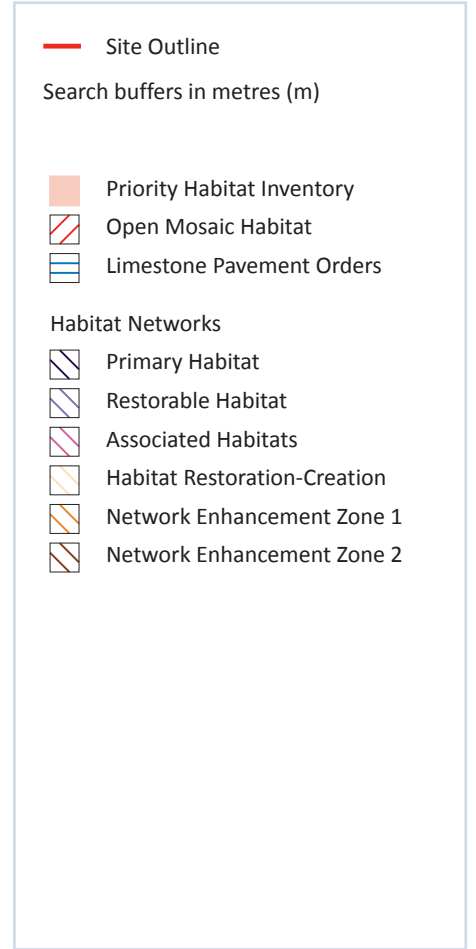
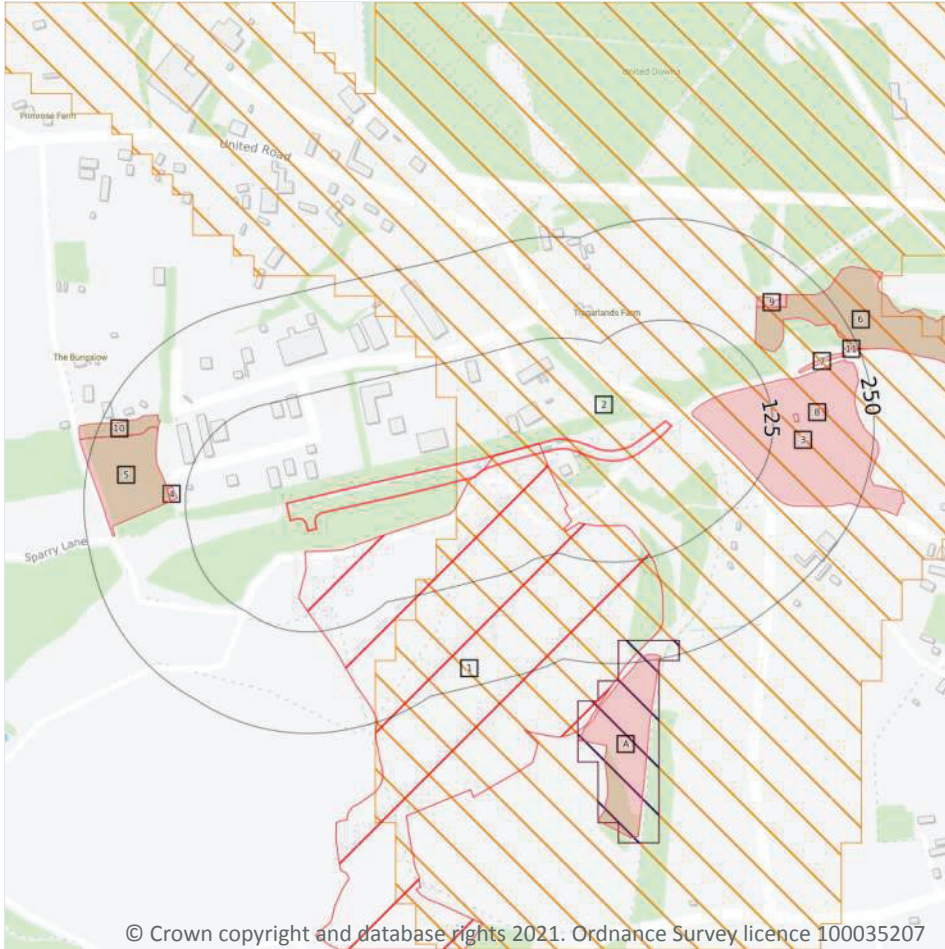
0

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

10

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 113**

ID	Location	Main Habitat	Other habitats
3	29m NE	Calaminarian grassland	Main habitat: CALAM (INV > 50%)
4	135m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	143m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	145m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
7	170m NE	Calaminarian grassland	Main habitat: CALAM (INV > 50%)
8	179m E	Calaminarian grassland	Main habitat: CALAM (INV > 50%)
9	180m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	184m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	233m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	242m S	Lowland heathland	Main habitat: LHEAT (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	2
----------------------------	----------

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

Features are displayed on the Habitat designations map on **page 113**

ID	Location	Type	Habitat
2	On site	Network Enhancement Zone 1	Not specified
A	222m S	Primary Habitat	Lowland heathland

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	1
----------------------------	----------

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

Features are displayed on the Habitat designations map on **page 113**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	On site	BRITPITS ref: 81789	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-



This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

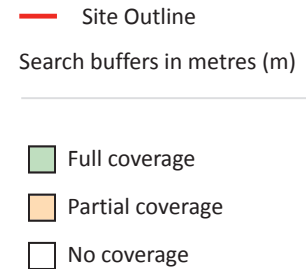
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



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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 116**

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.

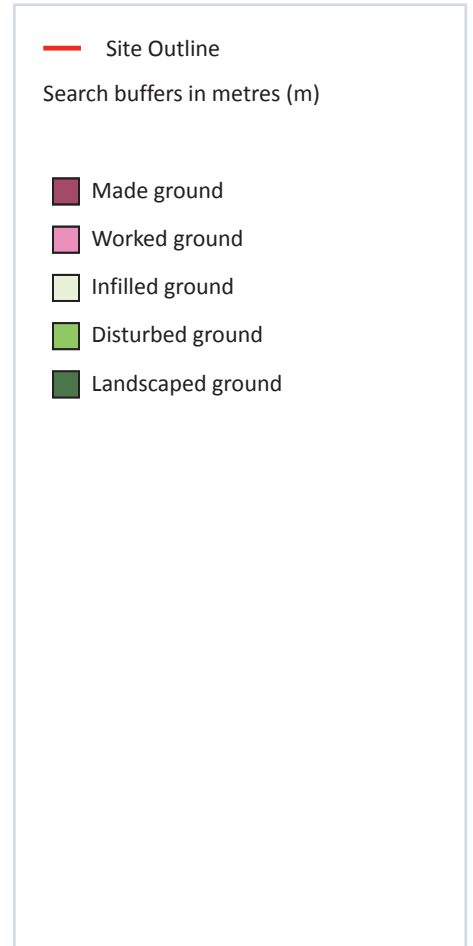
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 120**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW352_falmouth_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

1

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 121**

ID	Location	LEX Code	Description	Rock description
1	205m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial

15.4 Superficial geology (50k)

Records within 500m

0

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.

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

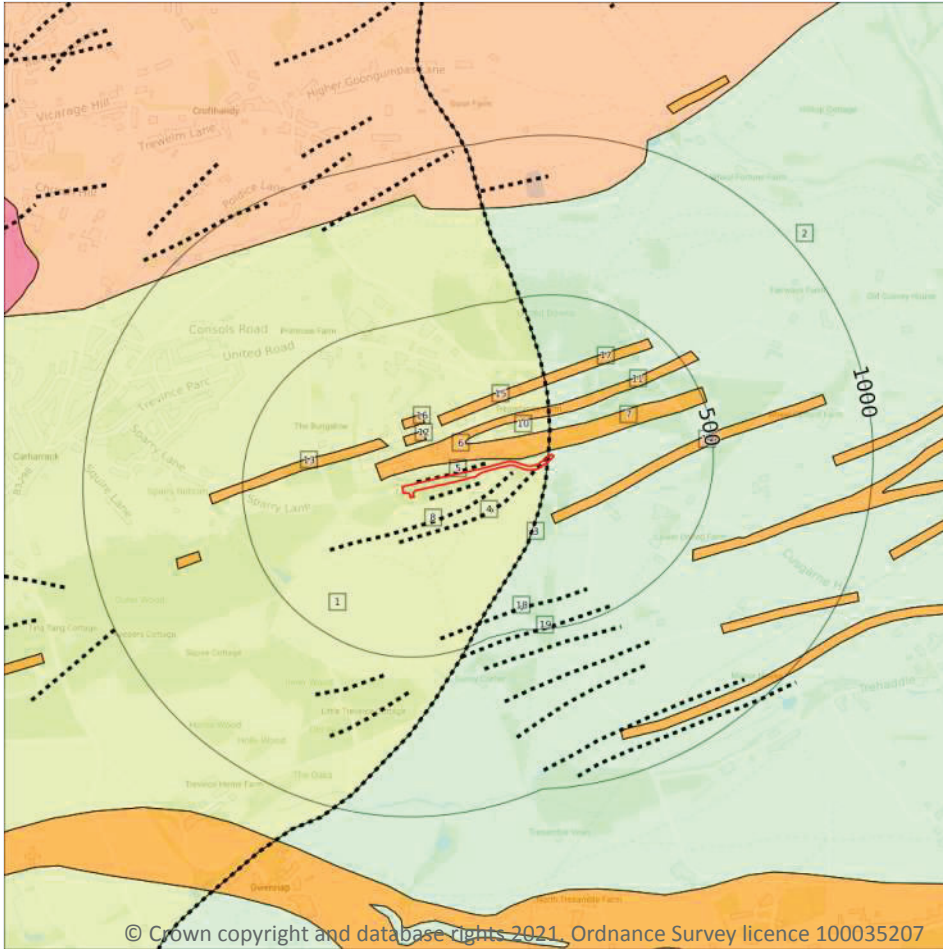
0

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

12

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 124**

ID	Location	LEX Code	Description	Rock age
1	On site	MRSL-HSSL	MYLOR SLATE FORMATION - HORNFELED SLATE AND HORNFELED SILTSTONE	FRASNIAN
2	On site	MRSL-SLAS	MYLOR SLATE FORMATION - SLATE AND SILTSTONE	FRASNIAN
6	8m N	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-

ID	Location	LEX Code	Description	Rock age
7	13m N	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-
10	73m N	MRS�-HSSL	MYLOR SLATE FORMATION - HORNFELED SLATE AND HORNFELED SILTSTONE	FRASNIAN
11	120m N	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-
12	122m N	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-
13	135m N	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-
14	147m SE	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-
15	159m N	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-
16	174m N	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-
17	217m N	UDP-FELS	UNNAMED DYKE, PERMIAN - FELSITE	-

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

3

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
On site	Fracture	Low	Low
8m NE	Fracture	Low	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

7

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 124**

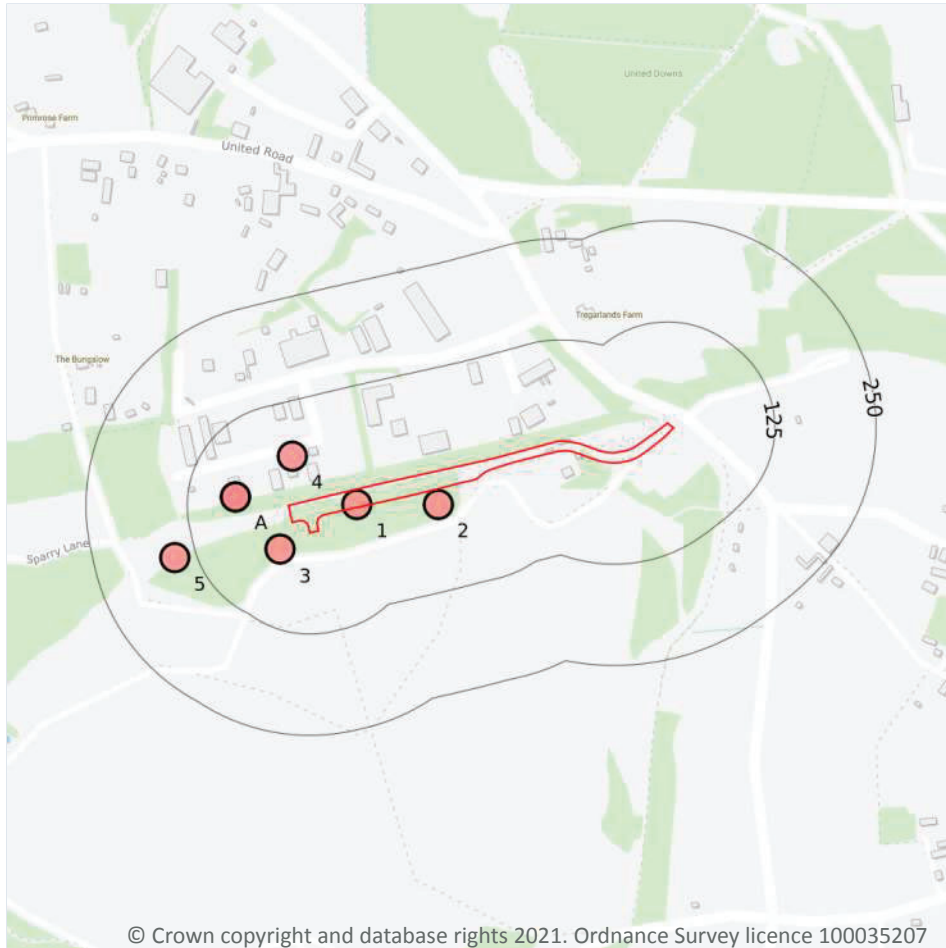


ID	Location	Category	Description
3	On site	ALTERATION_AREA	Margin of contact metamorphic aureole
4	On site	MINERAL_VEIN	Mineral vein, inferred
5	3m N	MINERAL_VEIN	Mineral vein, inferred
8	22m S	MINERAL_VEIN	Mineral vein, inferred
9	23m S	MINERAL_VEIN	Mineral vein, inferred
18	407m S	MINERAL_VEIN	Mineral vein, inferred
19	481m S	MINERAL_VEIN	Mineral vein, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
 Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

7

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

Features are displayed on the Boreholes map on **page 127**

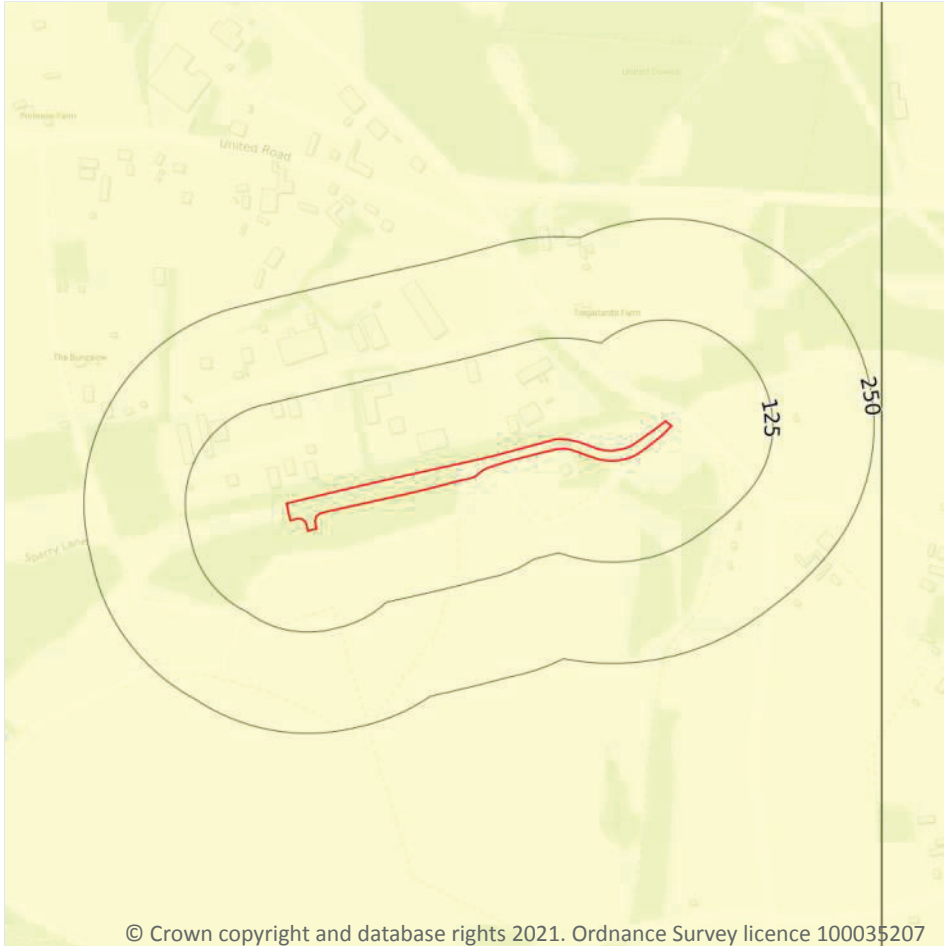
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	174350 41320	CORNWALL TIN MINING 77/8	189.0	N	657278
2	19m S	174450 41320	CORNWALL TIN MINING 77/9 & 77/11	149.0	N	657279

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	36m SW	174255 41265	CORNWALL TIN MINING 77/7	125.0	N	657277
4	58m N	174270 41380	CORNWALL TIN MINING 77/14	229.0	N	657282
A	66m W	174200 41330	CORNWALL TIN MINING 77/10 & 77/12	192.0	N	657280
A	66m W	174200 41330	CORNWALL TIN MINING 77/12	45.1	N	12708707
5	151m W	174125 41255	CORNWALL TIN MINING 77/5	138.0	N	657276

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



— Site Outline
Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m

1

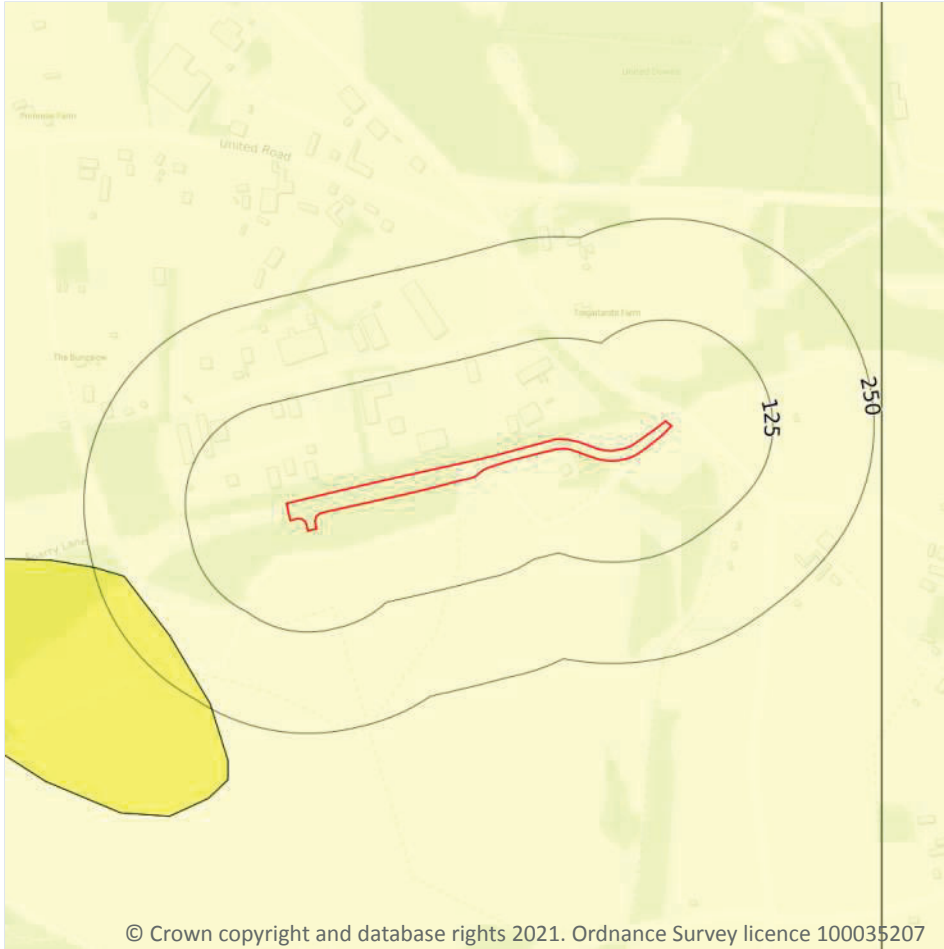
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 129**

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



— Site Outline
Search buffers in metres (m)

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

17.2 Running sands

Records within 50m

1

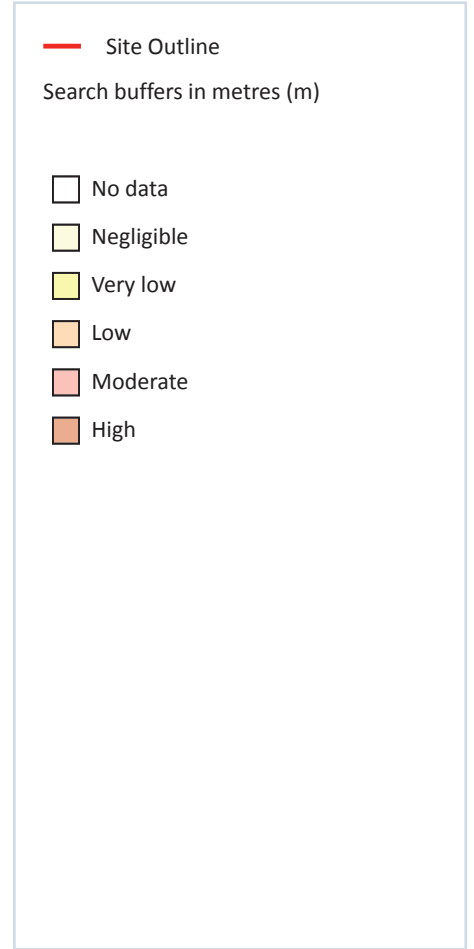
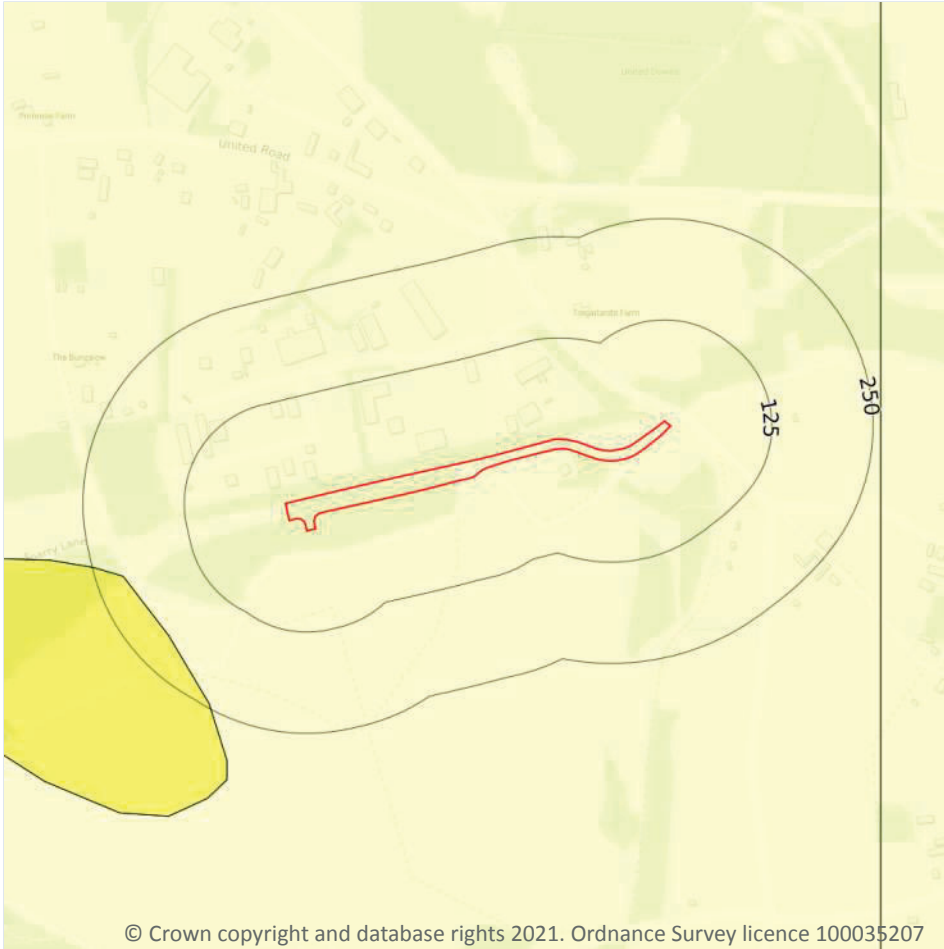
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 130**

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



17.3 Compressible deposits

Records within 50m

1

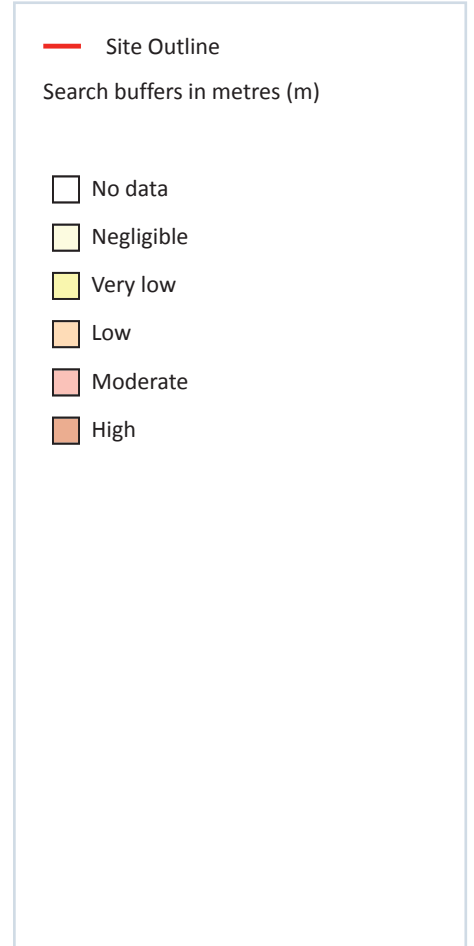
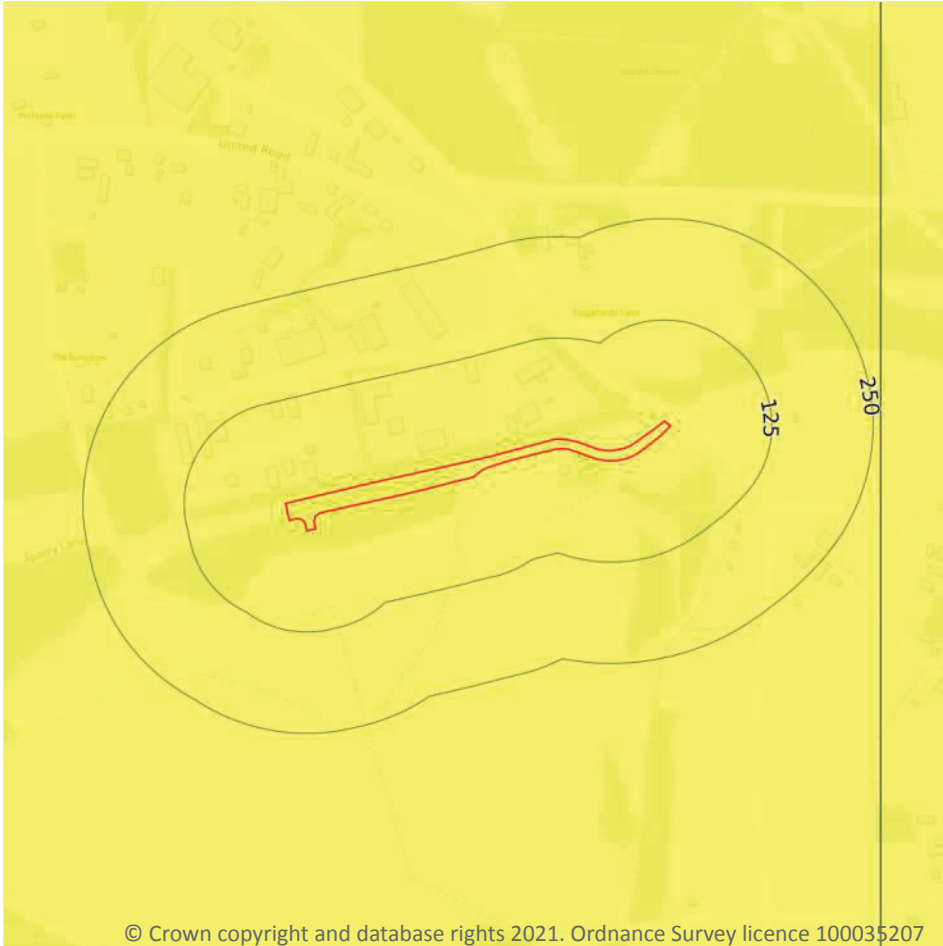
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 131**

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

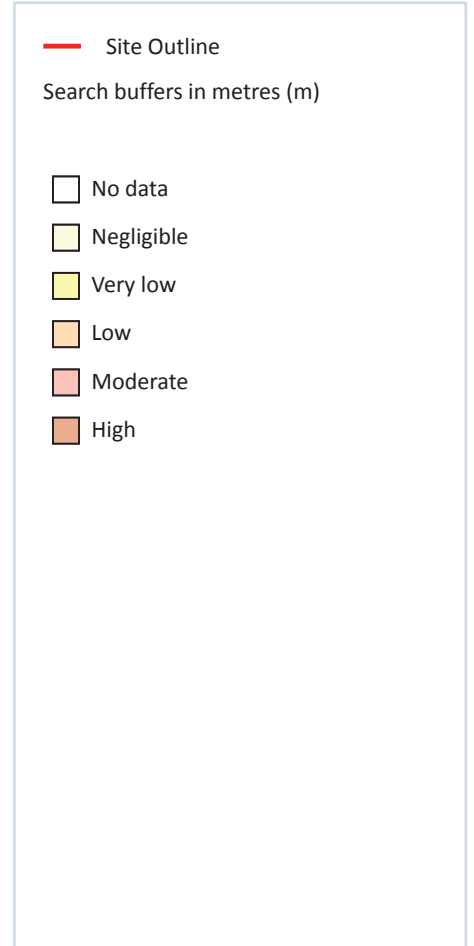
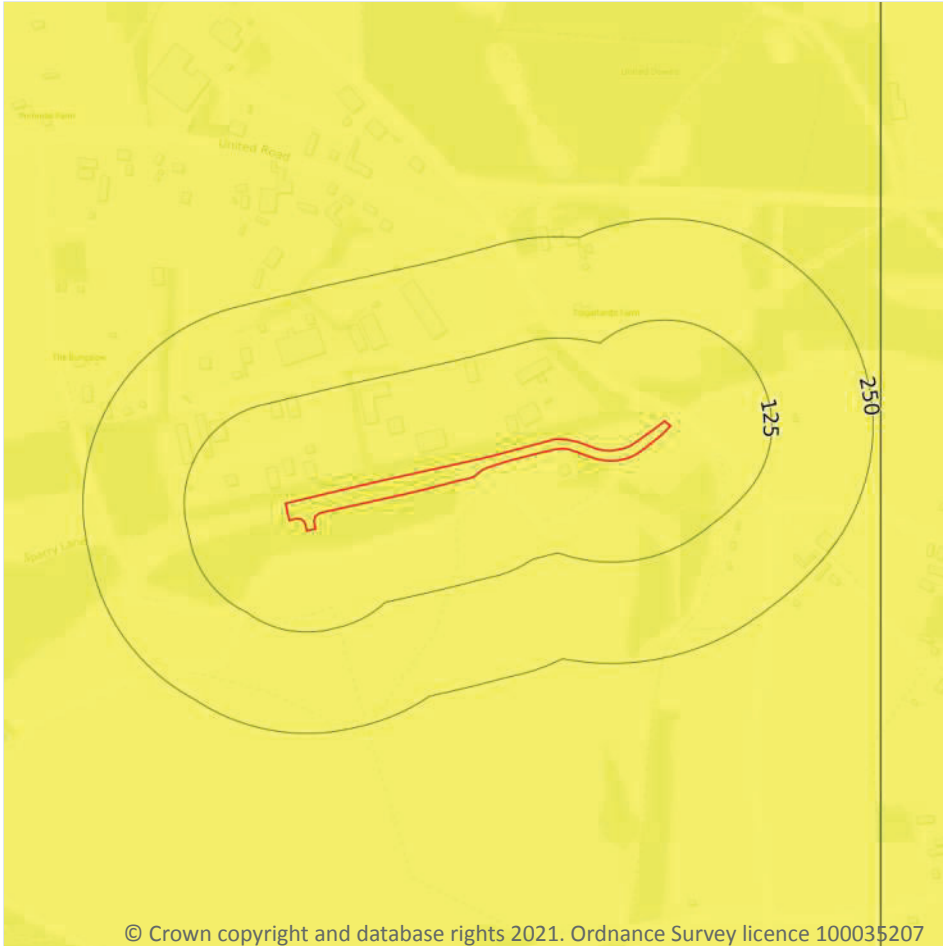
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 132**

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



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17.5 Landslides

Records within 50m

1

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

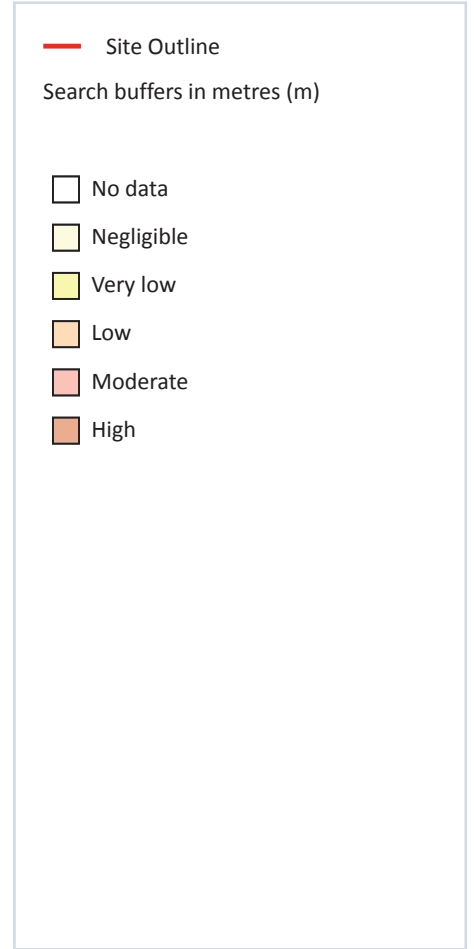
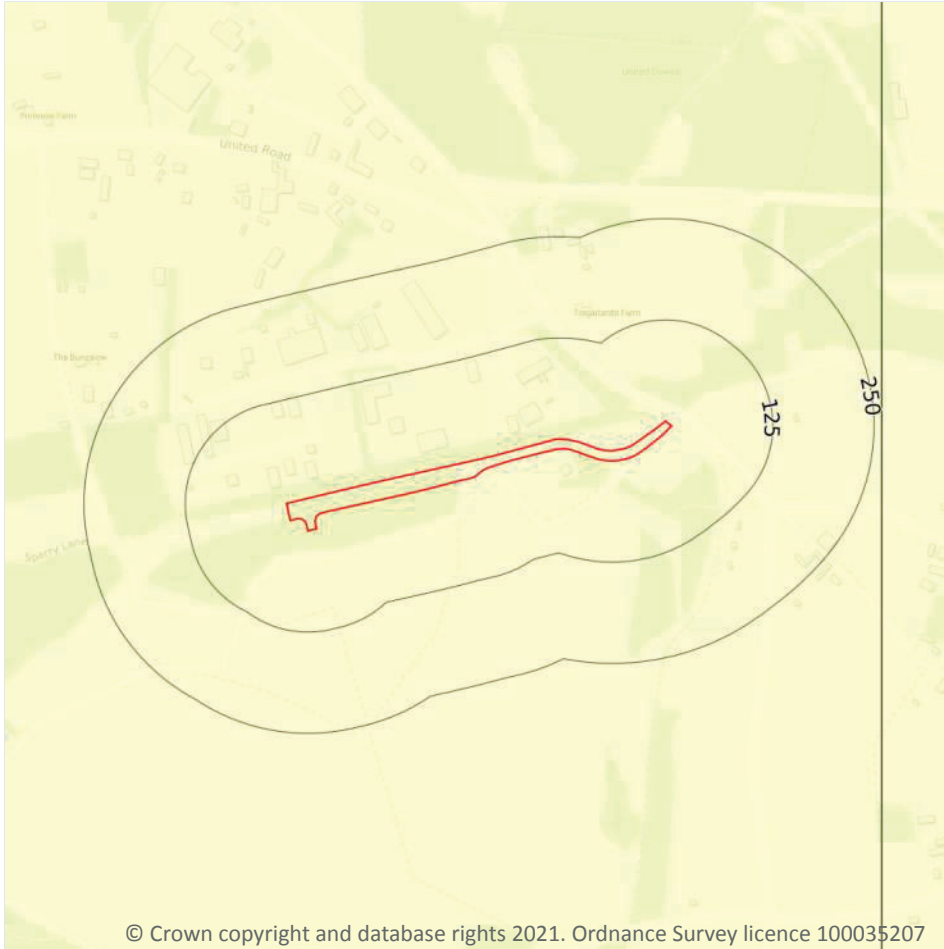
Features are displayed on the Natural ground subsidence - Landslides map on **page 133**

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.

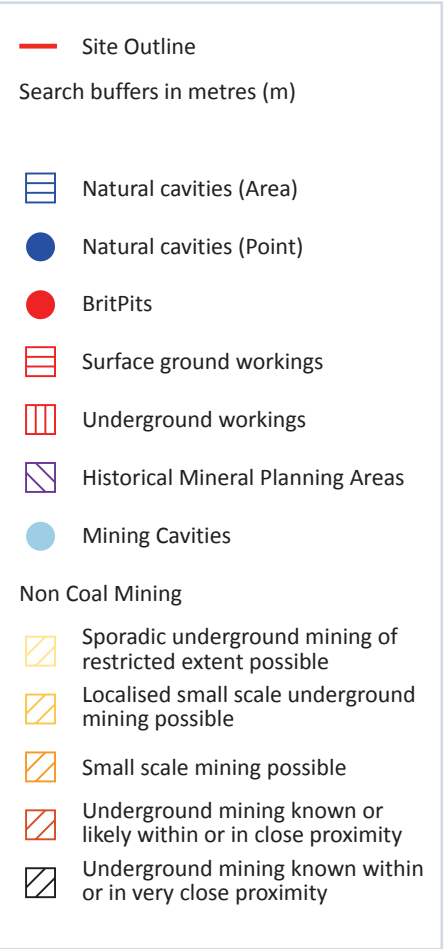
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 134**

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, ground workings and natural cavities



18.1 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 Peter Brett Associates (PBA).

18.2 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, ground workings and natural cavities map on **page 136**

ID	Location	Details	Description
X	256m S	Name: United Mines Address: Gwennap, REDRUTH, Cornwall Commodity: Copper 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
X	256m S	Name: United Mines Address: Gwennap, REDRUTH, Cornwall Commodity: Tin 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
AQ	409m S	Name: United Mines Quarry Address: Gwennap, REDRUTH, Cornwall Commodity: Igneous & Metamorphic Rock 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.

18.3 Surface ground workings

Records within 250m

57

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, ground workings and natural cavities map on **page 136**



ID	Location	Land Use	Year of mapping	Mapping scale
B	On site	Refuse Heap	1908	1:10560
B	On site	Unspecified Heap	1879	1:10560
B	On site	Refuse Heap	1958	1:10560
B	On site	Mines Waste Disposal Site	1992	1:10000
C	On site	Refuse Heap	1908	1:10560
C	On site	Unspecified Heaps	1879	1:10560
C	3m SE	Unspecified Heap	1958	1:10560
B	17m S	Refuse Heap	1908	1:10560
B	23m S	Refuse Heap	1908	1:10560
B	23m S	Unspecified Heap	1879	1:10560
E	24m S	Refuse Heap	1992	1:10000
B	39m S	Unspecified Pit	1958	1:10560
F	41m SW	Refuse Heap	1908	1:10560
F	41m SW	Unspecified Heaps	1879	1:10560
F	47m SW	Refuse Heap	1958	1:10560
G	66m SE	Unspecified Heap	1908	1:10560
G	66m SE	Unspecified Heap	1879	1:10560
B	99m S	Refuse Heap	1908	1:10560
B	99m S	Unspecified Heap	1879	1:10560
H	100m S	Refuse Heap	1958	1:10560
B	104m S	Refuse Heap	1958	1:10560
H	104m S	Refuse Heap	1908	1:10560
B	106m S	Refuse Heap	1958	1:10560
B	114m S	Unspecified Heap	1879	1:10560
F	131m SW	Refuse Heap	1908	1:10560
F	131m SW	Unspecified Heap	1879	1:10560
E	135m S	Refuse Heap	1958	1:10560
G	136m S	Unspecified Heap	1958	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
G	137m S	Unspecified Heap	1908	1:10560
I	137m E	Refuse Heap	1958	1:10560
E	138m S	Refuse Heap	1908	1:10560
I	140m E	Refuse Heap	1908	1:10560
I	140m E	Unspecified Heap	1879	1:10560
F	148m W	Unspecified Heap	1879	1:10560
I	151m E	Unspecified Heap	1958	1:10560
L	168m SE	Refuse Heap	1908	1:10560
L	168m SE	Unspecified Heap	1879	1:10560
M	175m SE	Refuse Heap	1908	1:10560
M	175m SE	Unspecified Heap	1879	1:10560
F	176m W	Unspecified Pit	1908	1:10560
F	181m W	Unspecified Pit	1958	1:10560
A	184m S	Refuse Heap	1908	1:10560
1	192m NW	Unspecified Pits	1879	1:10560
P	193m NW	Unspecified Pit	1958	1:10560
P	197m NW	Unspecified Pit	1908	1:10560
O	202m NE	Refuse Heap	1958	1:10560
R	204m SW	Refuse Heap	1908	1:10560
R	204m SW	Unspecified Heaps	1879	1:10560
R	208m SW	Refuse Heaps	1958	1:10560
O	210m NE	Refuse Heap	1908	1:10560
2	214m NE	Refuse Heap	1908	1:10560
U	238m W	Refuse Heap	1908	1:10560
W	244m S	Refuse Heap	1908	1:10560
W	244m S	Unspecified Heap	1879	1:10560
X	247m S	Unspecified Heap	1908	1:10560
X	248m SE	Unspecified Pit	1958	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
W	250m S	Refuse Heap	1958	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	827
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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, ground workings and natural cavities map on **page 136**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Disused Tin and Copper Mine	1908	1:10560
A	On site	Disused Tin and Copper Mine	1879	1:10560
B	On site	Unspecified Disused Mines	1958	1:10560
B	On site	Unspecified Disused Shafts	1980	1:10000
B	On site	Unspecified Disused Shafts	1974	1:10000
C	3m NE	Unspecified Shaft	1879	1:10560
D	5m S	Unspecified Disused Shafts	1980	1:10000
D	5m S	Unspecified Disused Shafts	1974	1:10000
D	6m S	Unspecified Old Shafts	1908	1:10560
C	9m NW	Unspecified Old Shafts	1958	1:10560
D	12m S	Unspecified Old Shafts	1958	1:10560
C	13m NW	Unspecified Disused Shafts	1980	1:10000
C	13m NW	Unspecified Disused Shafts	1974	1:10000
C	22m N	Unspecified Disused Shafts	1980	1:10000
C	22m N	Unspecified Disused Shafts	1974	1:10000
C	24m NW	Unspecified Disused Shafts	1992	1:10000
C	24m NW	Unspecified Disused Shafts	1980	1:10000
C	24m NW	Unspecified Disused Shafts	1974	1:10000
B	37m S	Unspecified Disused Shafts	1992	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
B	37m S	Unspecified Disused Shafts	1980	1:10000
B	37m S	Unspecified Disused Shafts	1974	1:10000
B	41m S	Unspecified Old Shafts	1908	1:10560
B	41m S	Unspecified Shaft	1879	1:10560
C	42m S	Unspecified Shaft	1879	1:10560
C	43m SE	Unspecified Old Shafts	1958	1:10560
B	44m S	Unspecified Old Shafts	1958	1:10560
B	45m S	Unspecified Old Shafts	1908	1:10560
C	49m NW	Unspecified Disused Shafts	1992	1:10000
C	49m NW	Unspecified Disused Shafts	1980	1:10000
C	49m NW	Unspecified Disused Shafts	1974	1:10000
C	49m NW	Unspecified Shaft	1879	1:10560
B	51m S	Unspecified Old Shafts	1958	1:10560
B	53m S	Unspecified Old Shafts	1958	1:10560
F	57m SW	Unspecified Shaft	1879	1:10560
B	57m S	Unspecified Old Shafts	1958	1:10560
F	59m SW	Unspecified Disused Shafts	1992	1:10000
F	59m SW	Unspecified Disused Shafts	1980	1:10000
F	59m SW	Unspecified Disused Shafts	1974	1:10000
F	60m SW	Unspecified Old Shafts	1908	1:10560
B	62m S	Unspecified Old Shafts	1908	1:10560
B	66m S	Unspecified Old Shafts	1958	1:10560
F	67m SW	Unspecified Old Shafts	1958	1:10560
B	74m S	Unspecified Old Shafts	1908	1:10560
B	74m S	Unspecified Shaft	1879	1:10560
F	76m S	Unspecified Disused Shafts	1992	1:10000
F	76m S	Unspecified Disused Shafts	1980	1:10000
F	76m S	Unspecified Disused Shafts	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
F	77m S	Unspecified Shaft	1908	1:10560
F	77m S	Unspecified Shaft	1879	1:10560
H	82m S	Unspecified Shafts	1879	1:10560
F	82m SW	Unspecified Old Shafts	1958	1:10560
B	84m S	Unspecified Old Shafts	1958	1:10560
B	84m S	Unspecified Disused Shafts	1980	1:10000
B	84m S	Unspecified Disused Shafts	1974	1:10000
H	86m S	Unspecified Shafts	1879	1:10560
C	87m S	Unspecified Shaft	1879	1:10560
H	89m S	Unspecified Disused Shafts	1980	1:10000
H	89m S	Unspecified Disused Shafts	1974	1:10000
C	91m S	Unspecified Disused Shafts	1992	1:10000
C	91m S	Unspecified Disused Shafts	1980	1:10000
C	91m S	Unspecified Disused Shafts	1974	1:10000
B	121m S	Unspecified Old Shafts	1908	1:10560
B	121m S	Unspecified Shaft	1879	1:10560
B	121m S	Unspecified Old Shafts	1908	1:10560
B	121m S	Unspecified Shaft	1879	1:10560
B	122m S	Unspecified Disused Shafts	1980	1:10000
B	122m S	Unspecified Disused Shafts	1974	1:10000
H	123m S	Unspecified Old Shafts	1908	1:10560
H	123m S	Unspecified Shaft	1879	1:10560
H	123m S	Unspecified Disused Shafts	1980	1:10000
H	123m S	Unspecified Disused Shafts	1974	1:10000
B	125m S	Unspecified Old Shafts	1908	1:10560
B	125m S	Unspecified Shaft	1879	1:10560
B	126m S	Unspecified Disused Shafts	1980	1:10000
B	126m S	Unspecified Disused Shafts	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
B	126m SE	Unspecified Old Shafts	1958	1:10560
B	126m S	Unspecified Disused Shafts	1980	1:10000
B	126m S	Unspecified Disused Shafts	1974	1:10000
B	128m S	Unspecified Old Shafts	1958	1:10560
B	129m S	Unspecified Old Shafts	1958	1:10560
H	130m S	Unspecified Old Shafts	1958	1:10560
E	132m S	Unspecified Disused Shafts	1980	1:10000
E	132m S	Unspecified Disused Shafts	1974	1:10000
F	134m SW	Unspecified Disused Shafts	1992	1:10000
F	134m SW	Unspecified Disused Shafts	1980	1:10000
F	134m SW	Unspecified Disused Shafts	1974	1:10000
I	143m E	Unspecified Old Shafts	1958	1:10560
I	147m E	Unspecified Old Shafts	1958	1:10560
E	148m S	Unspecified Old Shafts	1958	1:10560
E	148m S	Unspecified Disused Shafts	1980	1:10000
E	148m S	Unspecified Disused Shafts	1974	1:10000
F	151m SW	Unspecified Disused Shafts	1980	1:10000
F	151m SW	Unspecified Disused Shafts	1974	1:10000
G	156m S	Unspecified Old Shafts	1908	1:10560
F	158m W	Unspecified Old Shafts	1908	1:10560
F	159m SW	Unspecified Old Shafts	1908	1:10560
F	161m SW	Unspecified Shaft	1879	1:10560
F	162m W	Unspecified Disused Shafts	1992	1:10000
F	162m W	Unspecified Old Shafts	1958	1:10560
F	162m W	Unspecified Disused Shafts	1980	1:10000
F	162m W	Unspecified Disused Shafts	1974	1:10000
G	163m S	Unspecified Old Shafts	1958	1:10560
G	163m S	Unspecified Disused Shafts	1980	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
G	163m S	Unspecified Disused Shafts	1974	1:10000
K	165m SE	Unspecified Shaft	1879	1:10560
K	167m SE	Unspecified Old Shafts	1908	1:10560
F	169m SW	Unspecified Old Shafts	1908	1:10560
K	169m SE	Unspecified Disused Shafts	1992	1:10000
K	169m SE	Unspecified Disused Shafts	1980	1:10000
K	169m SE	Unspecified Disused Shafts	1974	1:10000
F	171m SW	Unspecified Disused Shafts	1980	1:10000
F	171m SW	Unspecified Disused Shafts	1974	1:10000
I	178m E	Unspecified Disused Shafts	1992	1:10000
I	178m E	Unspecified Disused Shafts	1980	1:10000
I	178m E	Unspecified Disused Shafts	1974	1:10000
I	178m E	Unspecified Old Shafts	1908	1:10560
N	183m W	Unspecified Old Shafts	1908	1:10560
N	183m W	Unspecified Shaft	1879	1:10560
I	186m E	Unspecified Shafts	1879	1:10560
I	187m E	Unspecified Shafts	1879	1:10560
F	188m SW	Unspecified Old Shafts	1908	1:10560
I	189m E	Unspecified Disused Shafts	1992	1:10000
I	189m E	Unspecified Disused Shafts	1980	1:10000
I	189m E	Unspecified Disused Shafts	1974	1:10000
F	189m SW	Unspecified Disused Shafts	1980	1:10000
F	189m SW	Unspecified Disused Shafts	1974	1:10000
A	192m SE	Unspecified Shaft	1879	1:10560
A	194m S	Unspecified Old Shafts	1908	1:10560
A	194m S	Unspecified Shaft	1879	1:10560
A	198m S	Unspecified Disused Shafts	1980	1:10000
A	198m S	Unspecified Disused Shafts	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
Q	200m S	Unspecified Disused Shafts	1980	1:10000
Q	200m S	Unspecified Disused Shafts	1974	1:10000
Q	201m S	Unspecified Old Shafts	1908	1:10560
E	204m S	Unspecified Old Shafts	1908	1:10560
E	208m S	Unspecified Old Shafts	1958	1:10560
E	208m S	Unspecified Disused Shafts	1980	1:10000
E	208m S	Unspecified Disused Shafts	1974	1:10000
F	210m SW	Unspecified Disused Shafts	1992	1:10000
F	210m SW	Unspecified Disused Shafts	1980	1:10000
F	210m SW	Unspecified Disused Shafts	1974	1:10000
P	212m NW	Unspecified Disused Shafts	1992	1:10000
P	212m NW	Unspecified Old Shafts	1958	1:10560
P	212m NW	Unspecified Disused Shafts	1980	1:10000
P	212m NW	Unspecified Disused Shafts	1974	1:10000
P	214m NW	Unspecified Old Shafts	1908	1:10560
E	214m SW	Unspecified Shaft	1879	1:10560
S	216m N	Unspecified Disused Shafts	1980	1:10000
S	216m N	Unspecified Disused Shafts	1974	1:10000
E	218m SW	Unspecified Old Shafts	1908	1:10560
E	224m SW	Unspecified Disused Shafts	1980	1:10000
E	224m SW	Unspecified Disused Shafts	1974	1:10000
S	225m N	Unspecified Old Shafts	1958	1:10560
S	231m N	Unspecified Old Shafts	1908	1:10560
S	233m N	Unspecified Disused Shafts	1980	1:10000
S	233m N	Unspecified Disused Shafts	1974	1:10000
T	236m N	Unspecified Disused Shafts	1992	1:10000
T	236m N	Unspecified Disused Shafts	1980	1:10000
T	236m N	Unspecified Disused Shafts	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
A	236m SE	Unspecified Old Shafts	1908	1:10560
S	237m N	Unspecified Shaft	1879	1:10560
A	238m SE	Unspecified Disused Shafts	1980	1:10000
A	238m SE	Unspecified Disused Shafts	1974	1:10000
A	238m SE	Unspecified Old Shafts	1958	1:10560
U	238m W	Unspecified Shaft	1879	1:10560
A	248m SE	Unspecified Old Shafts	1908	1:10560
U	248m W	Unspecified Old Shafts	1958	1:10560
U	248m W	Unspecified Disused Shafts	1980	1:10000
U	248m W	Unspecified Disused Shafts	1974	1:10000
A	249m SE	Unspecified Disused Shafts	1980	1:10000
A	249m SE	Unspecified Disused Shafts	1974	1:10000
X	250m S	Unspecified Old Shafts	1908	1:10560
X	250m S	Unspecified Shaft	1879	1:10560
U	251m W	Unspecified Old Shafts	1908	1:10560
U	251m W	Unspecified Shaft	1879	1:10560
A	251m SE	Unspecified Old Shafts	1958	1:10560
Y	254m E	Unspecified Shaft	1958	1:10560
W	255m S	Unspecified Shaft	1879	1:10560
A	257m SE	Unspecified Old Shafts	1908	1:10560
A	257m SE	Unspecified Disused Shafts	1980	1:10000
A	257m SE	Unspecified Disused Shafts	1974	1:10000
S	257m N	Unspecified Old Shafts	1958	1:10560
S	257m N	Unspecified Disused Shafts	1980	1:10000
S	257m N	Unspecified Disused Shafts	1974	1:10000
X	258m S	Unspecified Disused Shafts	1980	1:10000
X	258m S	Unspecified Disused Shafts	1974	1:10000
W	259m S	Unspecified Old Shafts	1908	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
X	262m S	Unspecified Old Shafts	1958	1:10560
W	263m S	Unspecified Disused Shafts	1980	1:10000
W	263m S	Unspecified Disused Shafts	1974	1:10000
W	264m S	Unspecified Old Shafts	1958	1:10560
S	265m N	Unspecified Old Shafts	1908	1:10560
S	265m N	Unspecified Shaft	1879	1:10560
Y	266m E	Unspecified Shaft	1879	1:10560
Y	269m E	Unspecified Disused Shaft	1971	1:10000
Y	269m E	Unspecified Shaft	1958	1:10560
Y	269m E	Unspecified Shaft	1992	1:10000
Y	271m E	Unspecified Shaft	1908	1:10560
S	272m N	Unspecified Old Shafts	1958	1:10560
S	272m N	Unspecified Disused Shafts	1980	1:10000
S	272m N	Unspecified Disused Shafts	1974	1:10000
T	274m N	Unspecified Disused Shafts	1992	1:10000
T	274m N	Unspecified Old Shafts	1958	1:10560
T	274m N	Unspecified Disused Shafts	1980	1:10000
T	274m N	Unspecified Disused Shafts	1974	1:10000
A	277m S	Unspecified Shaft	1879	1:10560
T	277m N	Unspecified Old Shafts	1908	1:10560
T	277m N	Unspecified Old Shafts	1958	1:10560
T	279m N	Unspecified Old Shafts	1908	1:10560
AE	279m W	Unspecified Old Shafts	1908	1:10560
S	279m N	Unspecified Old Shafts	1908	1:10560
S	279m N	Unspecified Shaft	1879	1:10560
AE	279m W	Unspecified Disused Shafts	1980	1:10000
AE	279m W	Unspecified Disused Shafts	1974	1:10000
AF	280m SW	Unspecified Old Shafts	1908	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
T	280m N	Unspecified Disused Shafts	1992	1:10000
T	280m N	Unspecified Disused Shafts	1980	1:10000
T	280m N	Unspecified Disused Shafts	1974	1:10000
AE	280m W	Unspecified Old Shafts	1958	1:10560
AG	281m N	Unspecified Disused Mine	1958	1:10560
AF	281m SW	Unspecified Disused Shafts	1980	1:10000
AF	281m SW	Unspecified Disused Shafts	1974	1:10000
AF	285m SW	Unspecified Old Shafts	1958	1:10560
AE	288m SW	Unspecified Old Shafts	1908	1:10560
AE	291m SW	Unspecified Old Shafts	1958	1:10560
AE	291m SW	Unspecified Disused Shafts	1980	1:10000
AE	291m SW	Unspecified Disused Shafts	1974	1:10000
AH	295m S	Unspecified Old Shaft	1908	1:10560
AH	295m S	Unspecified Shaft	1879	1:10560
S	299m N	Unspecified Old Shafts	1958	1:10560
W	304m S	Unspecified Old Shafts	1908	1:10560
W	304m S	Unspecified Shaft	1879	1:10560
S	308m N	Unspecified Old Shafts	1908	1:10560
S	308m N	Unspecified Shaft	1879	1:10560
R	308m SW	Unspecified Old Shafts	1908	1:10560
R	308m SW	Unspecified Shaft	1879	1:10560
R	311m SW	Unspecified Disused Shafts	1980	1:10000
R	311m SW	Unspecified Disused Shafts	1974	1:10000
W	315m S	Unspecified Old Shafts	1958	1:10560
W	315m S	Unspecified Disused Shafts	1980	1:10000
W	315m S	Unspecified Disused Shafts	1974	1:10000
AL	317m S	Unspecified Shaft	1879	1:10560
AL	322m S	Unspecified Old Shafts	1908	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AN	325m N	Unspecified Old Shafts	1958	1:10560
AC	326m W	Unspecified Shaft	1908	1:10560
AC	326m W	Unspecified Shaft	1879	1:10560
AL	326m S	Unspecified Old Shafts	1958	1:10560
AL	326m S	Unspecified Disused Shafts	1980	1:10000
AL	326m S	Unspecified Disused Shafts	1974	1:10000
AN	331m N	Unspecified Disused Shafts	1992	1:10000
AN	331m N	Unspecified Disused Shafts	1980	1:10000
AN	331m N	Unspecified Disused Shafts	1974	1:10000
AC	332m W	Unspecified Disused Shafts	1980	1:10000
AC	332m W	Unspecified Disused Shafts	1974	1:10000
AC	336m W	Unspecified Old Shafts	1958	1:10560
AN	340m N	Unspecified Shaft	1879	1:10560
AP	342m NW	Unspecified Disused Shafts	1992	1:10000
AP	342m NW	Unspecified Disused Shafts	1980	1:10000
AP	342m NW	Unspecified Disused Shafts	1974	1:10000
AP	343m NW	Unspecified Old Shafts	1908	1:10560
AP	343m NW	Unspecified Shaft	1879	1:10560
R	348m SW	Unspecified Old Shafts	1908	1:10560
W	351m S	Unspecified Old Shafts	1908	1:10560
R	354m SW	Unspecified Old Shafts	1958	1:10560
R	354m SW	Unspecified Disused Shafts	1980	1:10000
R	354m SW	Unspecified Disused Shafts	1974	1:10000
W	356m S	Unspecified Old Shafts	1958	1:10560
AQ	362m S	Unspecified Old Shafts	1908	1:10560
AQ	362m S	Unspecified Shaft	1879	1:10560
AR	366m SW	Unspecified Shaft	1879	1:10560
AR	368m SW	Unspecified Old Shafts	1908	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
W	369m S	Unspecified Old Shafts	1908	1:10560
AQ	372m S	Unspecified Old Shafts	1958	1:10560
AQ	372m S	Unspecified Disused Shafts	1980	1:10000
AQ	372m S	Unspecified Disused Shafts	1974	1:10000
AR	372m SW	Unspecified Old Shafts	1958	1:10560
AR	372m SW	Unspecified Disused Shafts	1980	1:10000
AR	372m SW	Unspecified Disused Shafts	1974	1:10000
AU	373m S	Unspecified Old Shafts	1908	1:10560
W	373m S	Unspecified Old Shafts	1958	1:10560
AS	374m N	Unspecified Old Shafts	1958	1:10560
W	375m S	Unspecified Old Shafts	1908	1:10560
AU	377m S	Unspecified Old Shafts	1958	1:10560
AU	377m S	Unspecified Disused Shafts	1980	1:10000
AU	377m S	Unspecified Disused Shafts	1974	1:10000
AS	378m N	Unspecified Old Shafts	1908	1:10560
W	381m S	Unspecified Old Shafts	1958	1:10560
AT	385m E	Unspecified Shaft	1958	1:10560
AS	387m N	Unspecified Disused Shafts	1992	1:10000
AS	387m N	Unspecified Disused Shafts	1980	1:10000
AS	387m N	Unspecified Disused Shafts	1974	1:10000
AS	388m N	Unspecified Shaft	1879	1:10560
AT	390m E	Unspecified Shaft	1908	1:10560
AT	391m E	Unspecified Shaft	1992	1:10000
AT	391m E	Unspecified Disused Shaft	1971	1:10000
AA	397m S	Unspecified Old Shafts	1908	1:10560
AA	397m S	Unspecified Shaft	1879	1:10560
8	397m NW	Unspecified Shaft	1879	1:10560
AO	399m N	Unspecified Disused Shafts	1992	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
AO	399m N	Unspecified Old Shafts	1958	1:10560
AO	399m N	Unspecified Disused Shafts	1980	1:10000
AO	399m N	Unspecified Disused Shafts	1974	1:10000
AO	407m N	Unspecified Old Shafts	1908	1:10560
V	410m N	Unspecified Disused Shafts	1992	1:10000
V	410m N	Unspecified Old Shafts	1958	1:10560
V	410m N	Unspecified Disused Shafts	1980	1:10000
V	410m N	Unspecified Disused Shafts	1974	1:10000
AO	410m N	Unspecified Shafts	1879	1:10560
AW	412m E	Unspecified Shaft	1908	1:10560
AW	413m E	Unspecified Disused Shaft	1971	1:10000
AB	415m E	Unspecified Shaft	1992	1:10000
AB	415m E	Unspecified Disused Shaft	1971	1:10000
AB	415m E	Unspecified Shaft	1958	1:10560
AB	415m E	Unspecified Shaft	1908	1:10560
AB	415m E	Unspecified Shaft	1879	1:10560
AR	423m SW	Unspecified Old Shafts	1908	1:10560
V	425m N	Unspecified Shaft	1879	1:10560
AR	425m SW	Unspecified Disused Shafts	1980	1:10000
AR	425m SW	Unspecified Disused Shafts	1974	1:10000
AR	426m SW	Unspecified Shaft	1879	1:10560
AM	427m NE	Unspecified Disused Shaft	1971	1:10000
AR	439m SW	Unspecified Shafts	1879	1:10560
AM	439m NE	Unspecified Shaft	1992	1:10000
AZ	453m SW	Unspecified Shaft	1908	1:10560
AZ	453m SW	Unspecified Shaft	1879	1:10560
AV	457m SW	Unspecified Old Shafts	1958	1:10560
AR	458m SW	Unspecified Shafts	1879	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AV	459m SW	Unspecified Shaft	1879	1:10560
AV	462m SW	Unspecified Disused Shafts	1980	1:10000
AV	462m SW	Unspecified Disused Shafts	1974	1:10000
14	469m S	Unspecified Shaft	1879	1:10560
BB	472m S	Unspecified Old Shafts	1908	1:10560
BB	472m S	Unspecified Shaft	1879	1:10560
BC	475m NW	Unspecified Old Shaft	1908	1:10560
BC	476m NW	Unspecified Old Shaft	1958	1:10560
BA	477m N	Unspecified Old Shafts	1958	1:10560
BA	485m N	Unspecified Old Shafts	1908	1:10560
AY	489m N	Unspecified Old Shafts	1958	1:10560
BA	491m N	Unspecified Disused Shafts	1992	1:10000
BA	491m N	Unspecified Disused Shafts	1980	1:10000
BA	491m N	Unspecified Disused Shafts	1974	1:10000
AY	493m N	Unspecified Old Shafts	1908	1:10560
BA	496m N	Unspecified Shaft	1879	1:10560
J	498m SW	Unspecified Shaft	1879	1:10560
AY	500m N	Unspecified Disused Shafts	1980	1:10000
AY	500m N	Unspecified Disused Shafts	1974	1:10000
AY	502m N	Unspecified Shaft	1879	1:10560
J	507m SW	Unspecified Disused Shafts	1992	1:10000
J	507m SW	Unspecified Old Shafts	1958	1:10560
J	507m SW	Unspecified Disused Shafts	1980	1:10000
J	507m SW	Unspecified Disused Shafts	1974	1:10000
BA	528m N	Unspecified Old Shafts	1958	1:10560
BE	531m S	Unspecified Old Shafts	1908	1:10560
BE	531m S	Unspecified Shaft	1879	1:10560
BE	535m S	Unspecified Disused Shaft	1992	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
BE	535m S	Unspecified Disused Shaft	1980	1:10000
BE	535m S	Unspecified Disused Shaft	1974	1:10000
BA	536m N	Unspecified Disused Shafts	1992	1:10000
BA	536m N	Unspecified Disused Shafts	1980	1:10000
BA	536m N	Unspecified Disused Shafts	1974	1:10000
BD	547m N	Disused Tin and Copper Mine	1908	1:10560
BJ	547m N	Disused Tin and Copper Mine	1879	1:10560
J	549m SW	Unspecified Old Shafts	1908	1:10560
BH	550m SW	Unspecified Shaft	1879	1:10560
AG	551m N	Unspecified Old Shafts	1958	1:10560
AG	551m N	Unspecified Old Shafts	1908	1:10560
BL	556m SE	Unspecified Shaft	1879	1:10560
BD	556m N	Unspecified Disused Shafts	1992	1:10000
BD	556m N	Unspecified Disused Shafts	1980	1:10000
BD	556m N	Unspecified Disused Shafts	1974	1:10000
AG	557m N	Unspecified Disused Shafts	1992	1:10000
AG	557m N	Unspecified Disused Shafts	1980	1:10000
AG	557m N	Unspecified Disused Shafts	1974	1:10000
AG	557m N	Unspecified Disused Shafts	1980	1:10000
J	558m SW	Unspecified Disused Shafts	1992	1:10000
J	558m SW	Unspecified Old Shafts	1958	1:10560
J	558m SW	Unspecified Disused Shafts	1980	1:10000
J	558m SW	Unspecified Disused Shafts	1974	1:10000
BK	560m NE	Unspecified Shaft	1958	1:10560
BP	561m N	Unspecified Disused Shafts	1992	1:10000
BP	561m N	Unspecified Old Shafts	1958	1:10560
BP	561m N	Unspecified Disused Shafts	1980	1:10000
BP	561m N	Unspecified Disused Shafts	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
BK	563m NE	Unspecified Shaft	1908	1:10560
AG	564m N	Unspecified Old Shafts	1908	1:10560
AG	566m N	Unspecified Old Shafts	1958	1:10560
BK	567m NE	Unspecified Shaft	1992	1:10000
BK	567m NE	Unspecified Disused Shaft	1971	1:10000
AG	569m N	Unspecified Disused Shafts	1992	1:10000
AG	569m N	Unspecified Disused Shafts	1980	1:10000
AG	569m N	Unspecified Disused Shafts	1974	1:10000
AG	569m N	Unspecified Disused Shafts	1980	1:10000
BP	569m N	Unspecified Shaft	1879	1:10560
BM	570m N	Unspecified Old Shafts	1908	1:10560
BM	570m N	Unspecified Disused Shafts	1992	1:10000
BM	570m N	Unspecified Old Shafts	1958	1:10560
BM	570m N	Unspecified Disused Shafts	1980	1:10000
BM	570m N	Unspecified Disused Shafts	1974	1:10000
BL	572m SE	Unspecified Old Shaft	1908	1:10560
BL	574m SE	Unspecified Old Shaft	1958	1:10560
BQ	574m N	Unspecified Old Shafts	1958	1:10560
BQ	574m N	Unspecified Disused Shafts	1980	1:10000
BQ	574m N	Unspecified Disused Shafts	1974	1:10000
BI	574m SW	Unspecified Old Shafts	1908	1:10560
BI	574m SW	Unspecified Shaft	1879	1:10560
BO	575m S	Unspecified Old Shafts	1908	1:10560
BO	575m S	Unspecified Shaft	1879	1:10560
BQ	576m N	Unspecified Old Shafts	1908	1:10560
BM	579m N	Unspecified Shaft	1879	1:10560
BP	580m N	Unspecified Disused Shafts	1992	1:10000
BP	580m N	Unspecified Disused Shafts	1980	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
BP	580m N	Unspecified Disused Shafts	1974	1:10000
BA	580m N	Unspecified Old Shafts	1958	1:10560
BE	580m S	Unspecified Old Shafts	1908	1:10560
BE	580m S	Unspecified Shaft	1879	1:10560
BI	580m SW	Unspecified Disused Shafts	1992	1:10000
BI	580m SW	Unspecified Old Shafts	1958	1:10560
BI	580m SW	Unspecified Disused Shafts	1980	1:10000
BI	580m SW	Unspecified Disused Shafts	1974	1:10000
BA	582m N	Unspecified Old Shafts	1908	1:10560
BO	582m S	Unspecified Disused Shafts	1992	1:10000
BO	582m S	Unspecified Disused Shafts	1980	1:10000
BO	582m S	Unspecified Disused Shafts	1974	1:10000
BA	584m N	Unspecified Disused Shafts	1992	1:10000
BA	584m N	Unspecified Disused Shafts	1980	1:10000
BA	584m N	Unspecified Disused Shafts	1974	1:10000
BO	584m S	Unspecified Old Shafts	1958	1:10560
BE	588m S	Unspecified Old Shafts	1958	1:10560
BS	591m S	Unspecified Shaft	1879	1:10560
BD	591m N	Unspecified Old Shafts	1958	1:10560
BA	594m N	Unspecified Old Shafts	1958	1:10560
BN	596m N	Unspecified Old Shafts	1958	1:10560
BA	597m N	Unspecified Old Shafts	1908	1:10560
BN	597m N	Unspecified Old Shafts	1908	1:10560
BN	599m N	Unspecified Disused Shafts	1992	1:10000
BN	599m N	Unspecified Disused Shafts	1980	1:10000
BN	599m N	Unspecified Disused Shafts	1974	1:10000
BW	599m SW	Unspecified Old Shafts	1908	1:10560
BW	599m SW	Unspecified Shafts	1879	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
BA	600m N	Unspecified Disused Shafts	1992	1:10000
BA	600m N	Unspecified Disused Shafts	1980	1:10000
BA	600m N	Unspecified Disused Shafts	1974	1:10000
17	601m S	Unspecified Shaft	1879	1:10560
AG	605m N	Unspecified Old Shafts	1958	1:10560
BW	607m SW	Unspecified Disused Shafts	1992	1:10000
BW	607m SW	Unspecified Old Shafts	1958	1:10560
BW	607m SW	Unspecified Disused Shafts	1980	1:10000
BW	607m SW	Unspecified Disused Shafts	1974	1:10000
18	607m S	Unspecified Old Shafts	1908	1:10560
AG	607m N	Unspecified Old Shafts	1908	1:10560
AG	610m N	Unspecified Disused Shafts	1992	1:10000
AG	610m N	Unspecified Disused Shafts	1980	1:10000
AG	610m N	Unspecified Disused Shafts	1974	1:10000
BD	610m N	Unspecified Disused Shafts	1992	1:10000
BD	610m N	Unspecified Disused Shafts	1980	1:10000
BD	610m N	Unspecified Disused Shafts	1974	1:10000
BD	612m N	Unspecified Shaft	1879	1:10560
BI	613m SW	Unspecified Shaft	1879	1:10560
BU	614m SW	Unspecified Disused Shafts	1992	1:10000
BU	614m SW	Unspecified Disused Shafts	1980	1:10000
BU	614m SW	Unspecified Disused Shafts	1974	1:10000
BU	615m SW	Unspecified Old Shafts	1908	1:10560
BU	615m SW	Unspecified Shaft	1879	1:10560
BZ	616m SW	Unspecified Shaft	1879	1:10560
BI	616m SW	Unspecified Disused Shafts	1992	1:10000
BI	616m SW	Unspecified Disused Shafts	1980	1:10000
BI	616m SW	Unspecified Disused Shafts	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
BW	617m SW	Unspecified Old Shafts	1908	1:10560
BW	617m SW	Unspecified Shafts	1879	1:10560
CB	618m NE	Unspecified Shafts	1992	1:10000
CB	618m NE	Unspecified Disused Shafts	1971	1:10000
BW	618m SW	Unspecified Disused Shafts	1992	1:10000
BW	618m SW	Unspecified Disused Shafts	1980	1:10000
BW	618m SW	Unspecified Disused Shafts	1974	1:10000
BX	620m N	Unspecified Old Shafts	1908	1:10560
BX	621m N	Unspecified Disused Shafts	1992	1:10000
BX	621m N	Unspecified Old Shafts	1958	1:10560
BX	621m N	Unspecified Disused Shafts	1980	1:10000
BX	621m N	Unspecified Disused Shafts	1974	1:10000
BR	621m W	Unspecified Shaft	1879	1:10560
CA	623m NW	Unspecified Old Shafts	1908	1:10560
BR	624m W	Unspecified Old Shafts	1908	1:10560
BX	625m N	Unspecified Shaft	1879	1:10560
CA	626m NW	Unspecified Disused Shafts	1992	1:10000
CA	626m NW	Unspecified Disused Shafts	1980	1:10000
CA	626m NW	Unspecified Disused Shafts	1974	1:10000
BW	626m SW	Unspecified Old Shafts	1958	1:10560
BR	628m W	Unspecified Disused Shafts	1992	1:10000
BR	628m W	Unspecified Old Shafts	1958	1:10560
BR	628m W	Unspecified Disused Shafts	1980	1:10000
BR	628m W	Unspecified Disused Shafts	1974	1:10000
BD	629m N	Unspecified Disused Shafts	1992	1:10000
BD	629m N	Unspecified Disused Shafts	1980	1:10000
BD	629m N	Unspecified Disused Shafts	1974	1:10000
BQ	639m N	Unspecified Disused Shafts	1992	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
BQ	639m N	Unspecified Old Shafts	1958	1:10560
BQ	639m N	Unspecified Disused Shafts	1980	1:10000
BQ	639m N	Unspecified Disused Shafts	1974	1:10000
BD	639m N	Unspecified Disused Shafts	1992	1:10000
BD	639m N	Unspecified Disused Shafts	1980	1:10000
BD	639m N	Unspecified Disused Shafts	1974	1:10000
CE	644m S	Unspecified Shaft	1879	1:10560
BQ	645m N	Unspecified Shaft	1879	1:10560
BZ	648m SW	Unspecified Shaft	1908	1:10560
BZ	648m SW	Unspecified Shaft	1879	1:10560
BI	653m SW	Unspecified Shaft	1879	1:10560
BJ	654m N	Unspecified Disused Shafts	1992	1:10000
BJ	654m N	Unspecified Disused Shafts	1980	1:10000
BJ	654m N	Unspecified Disused Shafts	1974	1:10000
BJ	656m N	Unspecified Shaft	1879	1:10560
CD	657m NE	Unspecified Old Shafts	1908	1:10560
CD	658m NE	Unspecified Shaft	1879	1:10560
BN	658m N	Unspecified Disused Shafts	1992	1:10000
BN	658m N	Unspecified Old Shafts	1958	1:10560
BN	658m N	Unspecified Disused Shafts	1980	1:10000
BN	658m N	Unspecified Disused Shafts	1974	1:10000
BI	658m SW	Unspecified Disused Shafts	1992	1:10000
BI	658m SW	Unspecified Disused Shafts	1980	1:10000
BI	658m SW	Unspecified Disused Shafts	1974	1:10000
CD	661m NE	Unspecified Shafts	1992	1:10000
CD	661m NE	Unspecified Disused Shafts	1971	1:10000
CD	661m NE	Unspecified Old Shafts	1958	1:10560
BD	662m N	Unspecified Old Shafts	1958	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
CF	667m S	Unspecified Old Shafts	1908	1:10560
BD	669m N	Unspecified Disused Shafts	1992	1:10000
BD	669m N	Unspecified Old Shafts	1958	1:10560
BD	669m N	Unspecified Disused Shafts	1980	1:10000
BD	669m N	Unspecified Disused Shafts	1974	1:10000
BD	675m N	Unspecified Old Shafts	1908	1:10560
BD	675m N	Unspecified Shaft	1879	1:10560
BV	681m S	Unspecified Old Shafts	1908	1:10560
BV	681m S	Unspecified Shaft	1879	1:10560
CD	684m NE	Unspecified Disused Shafts	1992	1:10000
CD	684m NE	Unspecified Disused Shafts	1980	1:10000
CD	684m NE	Unspecified Disused Shafts	1974	1:10000
BN	686m N	Unspecified Disused Shafts	1992	1:10000
BN	686m N	Unspecified Disused Shafts	1980	1:10000
BN	686m N	Unspecified Disused Shafts	1974	1:10000
BI	687m SW	Unspecified Old Shafts	1908	1:10560
BI	687m SW	Unspecified Shaft	1879	1:10560
CD	689m NE	Unspecified Shafts	1992	1:10000
CD	689m NE	Unspecified Shafts	1992	1:10000
CD	689m NE	Unspecified Disused Shafts	1971	1:10000
BV	689m S	Unspecified Old Shafts	1958	1:10560
CD	696m NE	Unspecified Shaft	1879	1:10560
BI	697m SW	Unspecified Disused Shafts	1992	1:10000
BI	697m SW	Unspecified Old Shafts	1958	1:10560
BI	697m SW	Unspecified Disused Shafts	1980	1:10000
BI	697m SW	Unspecified Disused Shafts	1974	1:10000
BN	698m N	Unspecified Old Shafts	1908	1:10560
BI	699m SW	Unspecified Shaft	1879	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
BN	699m N	Unspecified Old Shafts	1958	1:10560
BD	702m N	Unspecified Disused Shafts	1992	1:10000
BD	702m N	Unspecified Disused Shafts	1980	1:10000
BD	702m N	Unspecified Disused Shafts	1974	1:10000
BI	702m SW	Unspecified Old Shafts	1958	1:10560
BJ	703m N	Unspecified Old Shafts	1958	1:10560
CF	704m S	Unspecified Old Shafts	1908	1:10560
BN	705m N	Unspecified Disused Shafts	1992	1:10000
BN	705m N	Unspecified Disused Shafts	1980	1:10000
BN	705m N	Unspecified Disused Shafts	1974	1:10000
BJ	709m N	Unspecified Old Shafts	1908	1:10560
BN	711m N	Unspecified Disused Shafts	1992	1:10000
BN	711m N	Unspecified Disused Shafts	1980	1:10000
BN	711m N	Unspecified Disused Shafts	1974	1:10000
CC	716m N	Unspecified Disused Shafts	1992	1:10000
CC	716m N	Unspecified Old Shafts	1958	1:10560
CC	716m N	Unspecified Disused Shafts	1980	1:10000
CC	716m N	Unspecified Disused Shafts	1974	1:10000
CH	716m SW	Unspecified Disused Shafts	1992	1:10000
CH	716m SW	Unspecified Disused Shafts	1980	1:10000
CH	716m SW	Unspecified Disused Shafts	1974	1:10000
CF	719m S	Unspecified Old Shafts	1958	1:10560
CC	720m N	Unspecified Shafts	1908	1:10560
CC	720m N	Unspecified Shafts	1879	1:10560
BJ	721m N	Unspecified Old Shafts	1958	1:10560
BJ	727m N	Unspecified Old Shafts	1908	1:10560
CC	728m N	Unspecified Old Shafts	1908	1:10560
CC	731m N	Unspecified Disused Shafts	1992	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
CC	731m N	Unspecified Disused Shafts	1980	1:10000
CC	731m N	Unspecified Disused Shafts	1974	1:10000
CC	731m N	Unspecified Shafts	1879	1:10560
CC	734m N	Unspecified Disused Shafts	1992	1:10000
CC	734m N	Unspecified Disused Shafts	1980	1:10000
CC	734m N	Unspecified Disused Shafts	1974	1:10000
BJ	734m N	Unspecified Old Shafts	1958	1:10560
BJ	738m N	Unspecified Old Shafts	1908	1:10560
CC	742m N	Unspecified Disused Shafts	1992	1:10000
CC	742m N	Unspecified Disused Shafts	1980	1:10000
CC	742m N	Unspecified Disused Shafts	1974	1:10000
CC	746m N	Unspecified Old Shafts	1908	1:10560
CC	746m N	Unspecified Old Shafts	1958	1:10560
BJ	746m N	Unspecified Disused Shafts	1992	1:10000
BJ	746m N	Unspecified Disused Shafts	1980	1:10000
BJ	746m N	Unspecified Disused Shafts	1974	1:10000
BJ	747m N	Unspecified Shafts	1879	1:10560
BJ	748m N	Unspecified Disused Shafts	1992	1:10000
BJ	748m N	Unspecified Disused Shafts	1980	1:10000
BJ	748m N	Unspecified Disused Shafts	1974	1:10000
CC	748m N	Unspecified Old Shafts	1908	1:10560
CC	749m N	Unspecified Old Shafts	1958	1:10560
CC	753m N	Unspecified Disused Shafts	1992	1:10000
CC	753m N	Unspecified Disused Shafts	1980	1:10000
CC	753m N	Unspecified Disused Shafts	1974	1:10000
CC	756m N	Unspecified Disused Shafts	1992	1:10000
CC	756m N	Unspecified Disused Shafts	1980	1:10000
CC	756m N	Unspecified Disused Shafts	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
CC	761m N	Unspecified Disused Shafts	1992	1:10000
CC	761m N	Unspecified Old Shafts	1958	1:10560
CC	761m N	Unspecified Disused Shafts	1980	1:10000
CC	761m N	Unspecified Disused Shafts	1974	1:10000
BJ	768m N	Unspecified Old Shafts	1958	1:10560
-	772m SW	Unspecified Shaft	1879	1:10560
CM	774m N	Unspecified Disused Shafts	1992	1:10000
CM	774m N	Unspecified Disused Shafts	1980	1:10000
CM	774m N	Unspecified Disused Shafts	1974	1:10000
CN	777m N	Disused Tin and Copper	1879	1:10560
-	778m SW	Unspecified Old Shafts	1908	1:10560
-	780m SW	Unspecified Disused Shafts	1992	1:10000
-	780m SW	Unspecified Disused Shafts	1980	1:10000
-	780m SW	Unspecified Disused Shafts	1974	1:10000
-	782m E	Disused Tin and Copper	1879	1:10560
CC	783m N	Unspecified Old Shafts	1908	1:10560
CC	786m N	Unspecified Disused Shafts	1992	1:10000
CC	786m N	Unspecified Old Shafts	1958	1:10560
CC	786m N	Unspecified Disused Shafts	1980	1:10000
CC	786m N	Unspecified Disused Shafts	1974	1:10000
CO	788m SW	Unspecified Old Shafts	1958	1:10560
-	792m W	Unspecified Old Shafts	1908	1:10560
CC	793m N	Unspecified Shaft	1879	1:10560
-	796m W	Unspecified Old Shafts	1958	1:10560
CC	798m NW	Unspecified Old Shafts	1958	1:10560
CC	801m NW	Unspecified Old Shafts	1958	1:10560
CC	802m NW	Unspecified Old Shafts	1908	1:10560
CO	806m SW	Unspecified Disused Shafts	1992	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
CO	806m SW	Unspecified Disused Shafts	1980	1:10000
CO	806m SW	Unspecified Disused Shafts	1974	1:10000
CC	806m NW	Unspecified Disused Shafts	1992	1:10000
CC	806m NW	Unspecified Disused Shafts	1980	1:10000
CC	806m NW	Unspecified Disused Shafts	1974	1:10000
CC	807m NW	Unspecified Old Shafts	1958	1:10560
CQ	807m NE	Unspecified Shaft	1992	1:10000
CQ	807m NE	Unspecified Disused Shaft	1971	1:10000
CQ	807m NE	Unspecified Old Shafts	1958	1:10560
CQ	808m NE	Unspecified Old Shafts	1908	1:10560
BJ	808m N	Unspecified Old Shaft	1958	1:10560
CC	809m NW	Unspecified Disused Shafts	1992	1:10000
CC	809m NW	Unspecified Disused Shafts	1980	1:10000
CC	809m NW	Unspecified Disused Shafts	1974	1:10000
CS	809m N	Unspecified Old Shafts	1908	1:10560
CS	810m N	Unspecified Old Shafts	1958	1:10560
CS	810m N	Unspecified Disused Shafts	1980	1:10000
CS	810m N	Unspecified Disused Shafts	1974	1:10000
-	811m SW	Unspecified Old Shafts	1908	1:10560
-	811m SW	Unspecified Shaft	1879	1:10560
CC	813m NW	Unspecified Old Shafts	1908	1:10560
CC	814m NW	Unspecified Old Shafts	1958	1:10560
-	816m SW	Unspecified Old Shafts	1958	1:10560
CM	817m N	Unspecified Disused Shafts	1980	1:10000
CM	817m N	Unspecified Disused Shafts	1974	1:10000
24	819m NW	Unspecified Old Shafts	1958	1:10560
CC	821m NW	Unspecified Old Shafts	1908	1:10560
CC	822m NW	Unspecified Old Shafts	1958	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
CC	822m NW	Unspecified Old Shafts	1908	1:10560
CC	823m NW	Unspecified Old Shafts	1908	1:10560
-	823m SW	Unspecified Disused Shafts	1992	1:10000
-	823m SW	Unspecified Disused Shafts	1980	1:10000
-	823m SW	Unspecified Disused Shafts	1974	1:10000
CC	823m NW	Unspecified Old Shafts	1958	1:10560
CC	824m NW	Unspecified Disused Shafts	1992	1:10000
CC	824m NW	Unspecified Disused Shafts	1980	1:10000
CC	824m NW	Unspecified Disused Shafts	1974	1:10000
BJ	826m N	Unspecified Old Shaft	1908	1:10560
CC	826m NW	Unspecified Old Shafts	1908	1:10560
CC	826m NW	Unspecified Shaft	1879	1:10560
CC	827m NW	Unspecified Shaft	1879	1:10560
CC	828m NW	Unspecified Old Shafts	1958	1:10560
CC	828m NW	Unspecified Shaft	1879	1:10560
BJ	832m N	Unspecified Disused Shafts	1992	1:10000
BJ	832m N	Unspecified Disused Shafts	1980	1:10000
BJ	832m N	Unspecified Disused Shafts	1974	1:10000
26	834m S	Unspecified Shaft	1879	1:10560
CC	834m NW	Unspecified Old Shafts	1958	1:10560
CC	834m NW	Unspecified Old Shafts	1908	1:10560
CC	835m NW	Unspecified Old Shafts	1908	1:10560
CC	835m NW	Unspecified Old Shafts	1958	1:10560
-	836m E	Unspecified Shaft	1958	1:10560
CC	836m NW	Unspecified Old Shafts	1908	1:10560
BJ	837m N	Unspecified Old Shafts	1958	1:10560
CC	840m NW	Unspecified Disused Shafts	1992	1:10000
CC	840m NW	Unspecified Disused Shafts	1980	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
CC	840m NW	Unspecified Disused Shafts	1974	1:10000
CC	840m NW	Unspecified Shaft	1879	1:10560
CC	843m N	Unspecified Disused Shafts	1992	1:10000
CC	843m N	Unspecified Disused Shafts	1980	1:10000
CC	843m N	Unspecified Disused Shafts	1974	1:10000
-	855m SW	Unspecified Shaft	1879	1:10560
-	856m N	Unspecified Old Shafts	1958	1:10560
-	859m W	Unspecified Shaft	1908	1:10560
-	859m W	Unspecified Shaft	1879	1:10560
-	860m SW	Unspecified Disused Shafts	1992	1:10000
-	860m SW	Unspecified Disused Shafts	1980	1:10000
-	860m SW	Unspecified Disused Shafts	1974	1:10000
-	860m N	Unspecified Old Shafts	1908	1:10560
-	861m N	Unspecified Old Shafts	1908	1:10560
CV	861m SW	Unspecified Old Shaft	1908	1:10560
CV	861m SW	Unspecified Shaft	1879	1:10560
-	862m E	Unspecified Shaft	1992	1:10000
-	862m E	Unspecified Disused Shaft	1971	1:10000
-	863m E	Unspecified Shaft	1908	1:10560
-	865m N	Unspecified Disused Shafts	1980	1:10000
-	865m N	Unspecified Disused Shafts	1974	1:10000
-	865m N	Unspecified Disused Shafts	1980	1:10000
-	865m N	Unspecified Disused Shafts	1974	1:10000
CC	866m N	Unspecified Old Shafts	1908	1:10560
-	867m W	Unspecified Disused Shaft	1992	1:10000
-	867m W	Unspecified Disused Shaft	1980	1:10000
-	867m W	Unspecified Disused Shaft	1974	1:10000
CC	867m N	Unspecified Old Shafts	1958	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
CC	868m NW	Unspecified Disused Shafts	1992	1:10000
CC	868m NW	Unspecified Disused Shafts	1980	1:10000
CC	868m NW	Unspecified Disused Shafts	1974	1:10000
-	869m SW	Unspecified Disused Shafts	1992	1:10000
-	869m SW	Unspecified Disused Shafts	1980	1:10000
-	869m SW	Unspecified Disused Shafts	1974	1:10000
27	871m N	Unspecified Old Shafts	1958	1:10560
CC	871m N	Unspecified Disused Shafts	1992	1:10000
CC	871m N	Unspecified Disused Shafts	1980	1:10000
CC	871m N	Unspecified Disused Shafts	1974	1:10000
CC	872m N	Unspecified Old Shafts	1908	1:10560
-	873m SW	Unspecified Old Shafts	1908	1:10560
-	873m W	Unspecified Old Shafts	1958	1:10560
CV	873m SW	Unspecified Disused Shaft	1992	1:10000
CV	873m SW	Unspecified Old Shaft	1958	1:10560
CV	873m SW	Unspecified Disused Shaft	1980	1:10000
CV	873m SW	Unspecified Disused Shaft	1974	1:10000
CC	874m N	Unspecified Old Shafts	1958	1:10560
-	875m SW	Unspecified Old Shafts	1958	1:10560
CC	879m N	Unspecified Shafts	1879	1:10560
CC	881m N	Unspecified Disused Shafts	1992	1:10000
CC	881m N	Unspecified Disused Shafts	1980	1:10000
CC	881m N	Unspecified Disused Shafts	1974	1:10000
-	882m NE	Unspecified Shaft	1879	1:10560
DA	882m S	Unspecified Old Shaft	1908	1:10560
DA	882m S	Unspecified Shaft	1879	1:10560
CC	883m NW	Unspecified Disused Shafts	1992	1:10000
CC	883m NW	Unspecified Disused Shafts	1980	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
CC	883m NW	Unspecified Disused Shafts	1974	1:10000
-	885m NW	Unspecified Shaft	1879	1:10560
-	886m N	Unspecified Old Shafts	1958	1:10560
-	887m N	Unspecified Disused Shafts	1980	1:10000
-	887m N	Unspecified Disused Shafts	1974	1:10000
-	887m N	Unspecified Shaft	1879	1:10560
-	888m SW	Unspecified Shaft	1879	1:10560
DA	889m S	Unspecified Old Shaft	1958	1:10560
CC	892m N	Unspecified Old Shafts	1958	1:10560
-	893m N	Unspecified Disused Shafts	1980	1:10000
-	893m N	Unspecified Disused Shafts	1974	1:10000
-	894m N	Unspecified Old Shafts	1908	1:10560
-	895m SW	Unspecified Old Shafts	1908	1:10560
-	896m SW	Unspecified Disused Shafts	1992	1:10000
-	896m SW	Unspecified Disused Shafts	1980	1:10000
-	896m SW	Unspecified Disused Shafts	1974	1:10000
CC	899m N	Unspecified Disused Shafts	1992	1:10000
CC	899m N	Unspecified Old Shafts	1958	1:10560
CC	899m N	Unspecified Disused Shafts	1980	1:10000
CC	899m N	Unspecified Disused Shafts	1974	1:10000
CC	900m N	Unspecified Old Shafts	1908	1:10560
CC	900m N	Unspecified Shafts	1879	1:10560
-	901m SW	Unspecified Shaft	1879	1:10560
-	907m SW	Unspecified Old Shafts	1908	1:10560
-	908m SW	Unspecified Disused Shafts	1992	1:10000
-	908m SW	Unspecified Disused Shafts	1980	1:10000
-	908m SW	Unspecified Disused Shafts	1974	1:10000
-	911m SW	Unspecified Shaft	1879	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	911m SW	Unspecified Old Shafts	1958	1:10560
CZ	919m NE	Unspecified Old Shafts	1958	1:10560
CZ	920m NE	Unspecified Old Shafts	1908	1:10560
-	921m N	Unspecified Old Shafts	1958	1:10560
CZ	922m NE	Unspecified Shaft	1992	1:10000
CZ	922m NE	Unspecified Disused Shafts	1971	1:10000
-	924m N	Unspecified Old Shafts	1908	1:10560
CC	925m N	Unspecified Old Shafts	1908	1:10560
CC	926m N	Unspecified Old Shafts	1958	1:10560
-	926m N	Unspecified Old Shafts	1958	1:10560
-	930m N	Unspecified Disused Shafts	1980	1:10000
-	930m N	Unspecified Disused Shafts	1974	1:10000
-	932m N	Unspecified Shafts	1879	1:10560
-	937m NW	Unspecified Disused Shafts	1992	1:10000
-	937m NW	Unspecified Disused Shafts	1980	1:10000
-	937m NW	Unspecified Disused Shafts	1974	1:10000
CZ	941m NE	Unspecified Shaft	1879	1:10560
-	953m N	Unspecified Disused Shafts	1992	1:10000
-	953m N	Unspecified Old Shafts	1958	1:10560
-	959m N	Unspecified Shafts	1879	1:10560
-	959m N	Unspecified Disused Shafts	1992	1:10000
-	959m N	Unspecified Old Shafts	1958	1:10560
-	959m N	Unspecified Disused Shafts	1980	1:10000
-	959m N	Unspecified Disused Shafts	1974	1:10000
-	965m N	Unspecified Shaft	1879	1:10560
-	966m N	Unspecified Old Shafts	1958	1:10560
-	968m NW	Unspecified Shaft	1879	1:10560
-	970m N	Unspecified Old Shafts	1908	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	971m NW	Unspecified Disused Shafts	1992	1:10000
-	971m NW	Unspecified Disused Shafts	1980	1:10000
-	971m NW	Unspecified Disused Shafts	1974	1:10000
-	974m N	Unspecified Shaft	1879	1:10560
-	977m N	Unspecified Disused Shafts	1992	1:10000
-	977m N	Unspecified Disused Shafts	1980	1:10000
-	977m N	Unspecified Disused Shafts	1974	1:10000
-	981m N	Unspecified Old Shafts	1908	1:10560
-	983m N	Unspecified Disused Shafts	1992	1:10000
-	983m N	Unspecified Old Shaft	1958	1:10560
-	983m N	Unspecified Disused Shafts	1980	1:10000
-	983m N	Unspecified Disused Shafts	1974	1:10000
-	984m NE	Unspecified Shaft	1958	1:10560
-	986m NE	Unspecified Disused Shaft	1992	1:10000
-	986m NE	Unspecified Disused Shaft	1971	1:10000
DI	986m NW	Disused Tin and Copper	1879	1:10560
-	990m NE	Unspecified Shaft	1908	1:10560
-	990m NE	Unspecified Shaft	1879	1:10560
-	990m NE	Unspecified Old Shafts	1958	1:10560
-	993m NE	Unspecified Old Shafts	1908	1:10560
-	994m NW	Unspecified Shaft	1879	1:10560
-	995m NE	Unspecified Shaft	1879	1:10560
-	995m NE	Unspecified Disused Shaft	1992	1:10000
-	995m NE	Unspecified Disused Shafts	1971	1:10000

This is data is sourced from Ordnance Survey/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

17

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, ground workings and natural cavities map on **page 136**

ID	Location	Name	Commodity	Class	Likelihood
B	On site	Not available	Vein Mineral	E	Underground mining is known to have occurred within or very close to the area. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered
A	41m SW	Not available	Vein Mineral	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
J	147m W	South West England	Vein Mineral	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
O	193m NE	South West England	Vein Mineral	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
V	243m N	Not available	Vein Mineral	E	Underground mining is known to have occurred within or very close to the area. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered
3	259m E	Not available	Vein Mineral	E	Underground mining is known to have occurred within or very close to the area. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered



ID	Location	Name	Commodity	Class	Likelihood
4	271m E	Not available	Vein Mineral	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
AI	299m S	Not available	Vein Mineral	E	Underground mining is known to have occurred within or very close to the area. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered
AM	321m NE	South West England	Vein Mineral	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
11	454m NE	Not available	Vein Mineral	E	Underground mining is known to have occurred within or very close to the area. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered
13	466m SE	Not available	Vein Mineral	E	Underground mining is known to have occurred within or very close to the area. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered
15	476m SE	South West England	Vein Mineral	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
CC	641m N	Not available	Vein Mineral	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
22	725m N	South West England	Vein Mineral	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
CJ	741m N	Not available	Vein Mineral	E	Underground mining is known to have occurred within or very close to the area. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered
-	822m NE	Not available	Vein Mineral	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered



ID	Location	Name	Commodity	Class	Likelihood
-	887m SW	Not available	Vein Mineral	E	Underground mining is known to have occurred within or very close to the area. Potential for difficult ground conditions should be investigated. Potential for localised subsidence is at a level where it should be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

27

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 Mining, ground workings and natural cavities map on **page 136**

ID	Location	Mine Address	Mineral	Data source	Publisher
B	148m S	Ale & Cakes, Carharrack, Cornwall	Cassiterite, Tin, Tinstone	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
B	148m S	United Mines, Carharrack, Cornwall	Bornite, Chalcocite, Copper, Malachite, Native Copper, Tetrahedrite	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
B	148m S	Gwennap United, Carharrack, Cornwall	Bornite, Chalcocite, Copper, Malachite, Native Copper, Tetrahedrite	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
H	181m S	Cupboard, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
S	289m N	Whiteworks, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
6	343m SW	Poldory, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
AT	369m E	Ale+cakes, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.



ID	Location	Mine Address	Mineral	Data source	Publisher
BF	495m E	Ale+cakes East, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
BN	558m N	Virgin West, Carharrack, Cornwall	Unknown	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
BO	560m S	Todd, Gwennap, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
AG	580m N	Virgin, Carharrack, Cornwall	Bornite, Chalcocite, Copper, Malachite, Native Copper, Tetrahedrite	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
BE	585m S	Jewell, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
BE	585m S	Moor, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
BK	600m NE	Girl, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
BD	610m N	Virgin East, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
CF	672m S	Ale+cakes South, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
BJ	683m N	Carharrack, Cornwall	Unknown	MINES AND MINERS OF CORNWALL: INDEX TO VOLUMES 1-16	ST AUSTELL : OLD CORNWALL PUBLICATIONS
BJ	683m N	Consolidated Mines, Carharrack, Cornwall	Cassiterite, Tin, Tinstone	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
20	684m S	Britannia (Snowdon), Carharrack, Cornwall	Bornite, Chalcocite, Copper, Malachite, Native Copper, Tetrahedrite	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
CD	686m NE	Lovelace, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.
23	745m NW	Squire, Carharrack, Cornwall	Unknown	CORNWALL MINES DATABASE	UNPUBLISHED PRIVATE DOCUMENT.



ID	Location	Mine Address	Mineral	Data source	Publisher
CC	825m NW	Carharrach, Carharrack, Cornwall	-	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
-	906m E	Twelveheads, Cornwall	Unknown	MINES AND MINERS OF CORNWALL: INDEX TO VOLUMES 1-16	ST AUSTELL : OLD CORNWALL PUBLICATIONS
-	906m E	Clifford, Twelveheads, Cornwall	Bornite, Chalcocite, Copper, Malachite, Native Copper, Tetrahedrite	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
-	970m N	St Day, Cornwall	Unknown	MINES AND MINERS OF CORNWALL: INDEX TO VOLUMES 1-16	ST AUSTELL : OLD CORNWALL PUBLICATIONS
-	970m N	Maid, St Day, Cornwall	Cassiterite, Tin, Tinstone	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER
-	970m N	Maiden, St Day, Cornwall	Bornite, Chalcocite, Copper, Malachite, Native Copper, Tetrahedrite	CORNISH MINES (METALLIFEROUS AND ASSOCIATED MINERALS 1845-1913)	UNIVERSITY OF EXETER

This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 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.



18.10 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.

18.11 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 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 from providers such as Mining Searches UK at https://www.miningsearchesuk.com/ or by writing to Mining Searches UK, Highburrow Lane, Wilson Way, Pool Industrial Estate, Redruth, Cornwall. TR15 3RN Tel: 01209 218861

This data is sourced from Mining Searches UK.

18.13 Clay mining

Records on site

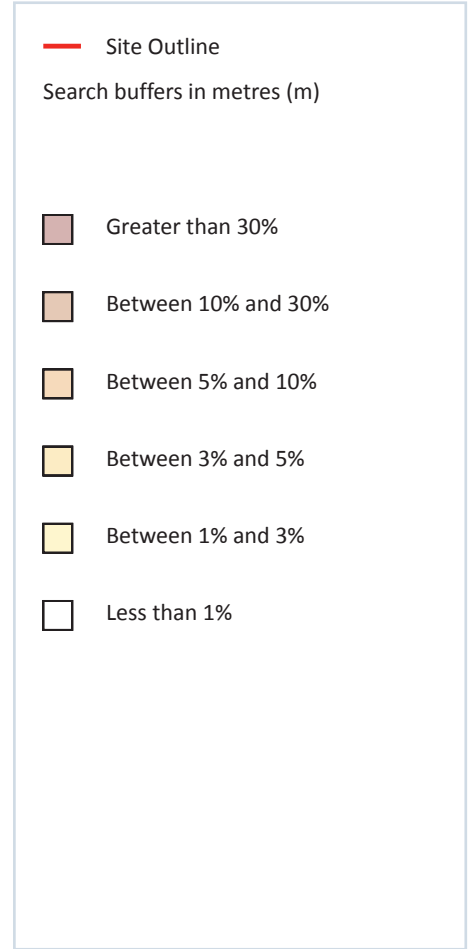
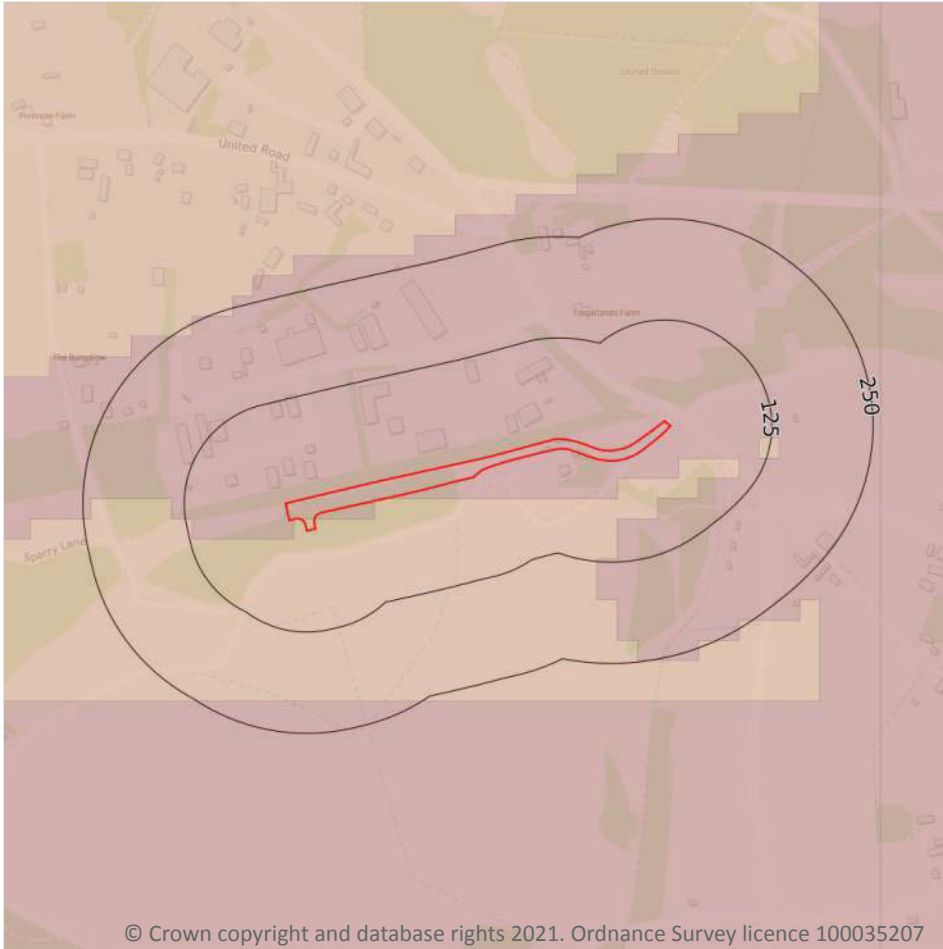
0

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 Radon



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19.1 Radon

Records on site

2

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 176**

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 10% and 30%	Full
On site	Greater than 30%	Full

This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

6

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	200 - 300 mg/kg	120 - 240 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	>120 mg/kg	> 18 mg/kg	300 - 600 mg/kg	240 - 360 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	>120 mg/kg	> 18 mg/kg	300 - 600 mg/kg	240 - 360 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m NE	>120 mg/kg	> 18 mg/kg	300 - 600 mg/kg	240 - 360 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
13m E	>120 mg/kg	> 18 mg/kg	300 - 600 mg/kg	240 - 360 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
31m NW	>120 mg/kg	> 18 mg/kg	200 - 300 mg/kg	120 - 240 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 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.



20.3 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.



21 Railway infrastructure and projects

21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 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.

21.5 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.

21.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

21.7 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.

21.8 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.

21.9 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.

21.10 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>.

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