

Appendix 14.1 A: Groundsure Report



Appendix A

Groundsure Report

455713 , 523379,

Order Details

Date: 20/06/2022
Your ref: GLR_-_Teesside_-_PD_Ports
Our Ref: GS-8836186

Site Details

Location: 455747 523397
Area: 24.69 ha
Authority: [Redcar and Cleveland Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

N/A: >10ha

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	<u>Historical industrial land uses</u>	18	9	40	37	-
17	1.2	<u>Historical tanks</u>	16	4	71	8	-
21	1.3	<u>Historical energy features</u>	1	3	6	4	-
22	1.4	Historical petrol stations	0	0	0	0	-
22	1.5	Historical garages	0	0	0	0	-
23	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
24	2.1	<u>Historical industrial land uses</u>	25	15	65	54	-
30	2.2	<u>Historical tanks</u>	23	4	115	10	-
36	2.3	<u>Historical energy features</u>	3	6	6	12	-
37	2.4	Historical petrol stations	0	0	0	0	-
37	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
38	3.1	Active or recent landfill	0	0	0	0	-
38	3.2	Historical landfill (BGS records)	0	0	0	0	-
39	3.3	<u>Historical landfill (LA/mapping records)</u>	0	0	2	1	-
39	3.4	<u>Historical landfill (EA/NRW records)</u>	0	0	0	4	-
40	3.5	<u>Historical waste sites</u>	0	0	0	5	-
41	3.6	<u>Licensed waste sites</u>	0	0	0	1	-
41	3.7	<u>Waste exemptions</u>	0	6	7	1	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
44	4.1	<u>Recent industrial land uses</u>	5	2	30	-	-
46	4.2	<u>Current or recent petrol stations</u>	0	0	1	0	-
47	4.3	Electricity cables	0	0	0	0	-
47	4.4	Gas pipelines	0	0	0	0	-
47	4.5	Sites determined as Contaminated Land	0	0	0	0	-



47	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	1	0	3	0	-
48	4.7	Regulated explosive sites	0	0	0	0	-
48	4.8	<u>Hazardous substance storage/usage</u>	0	0	2	0	-
49	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
49	4.10	<u>Licensed industrial activities (Part A(1))</u>	7	0	9	0	-
51	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	2	0	1	0	-
52	4.12	Radioactive Substance Authorisations	0	0	0	0	-
52	4.13	<u>Licensed Discharges to controlled waters</u>	5	0	3	2	-
54	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
54	4.15	Pollutant release to public sewer	0	0	0	0	-
54	4.16	List 1 Dangerous Substances	0	0	0	0	-
55	4.17	<u>List 2 Dangerous Substances</u>	0	0	1	1	-
55	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	1	-
55	4.19	<u>Pollution inventory substances</u>	1	0	0	0	-
56	4.20	<u>Pollution inventory waste transfers</u>	1	0	0	0	-
58	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
59	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
61	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
63	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
64	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
65	5.5	Groundwater vulnerability- local information	None (within 0m)				
66	5.6	Groundwater abstractions	0	0	0	0	0
67	5.7	<u>Surface water abstractions</u>	0	0	0	0	2
67	5.8	Potable abstractions	0	0	0	0	0
68	5.9	Source Protection Zones	0	0	0	0	-
68	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
69	6.1	<u>Water Network (OS MasterMap)</u>	0	7	0	-	-



70	6.2	<u>Surface water features</u>	0	4	3	-	-
70	6.3	<u>WFD Surface water body catchments</u>	2	-	-	-	-
71	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
71	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
72	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
72	7.2	Historical Flood Events	0	0	0	-	-
72	7.3	Flood Defences	0	0	0	-	-
73	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
73	7.5	Flood Storage Areas	0	0	0	-	-
74	7.6	Flood Zone 2	None (within 50m)				
74	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
75	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
77	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
78	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	1	1
79	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
79	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
79	10.4	<u>Special Protection Areas (SPA)</u>	0	0	0	2	4
81	10.5	National Nature Reserves (NNR)	0	0	0	0	0
81	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
81	10.7	Designated Ancient Woodland	0	0	0	0	0
82	10.8	Biosphere Reserves	0	0	0	0	0
82	10.9	Forest Parks	0	0	0	0	0
82	10.10	Marine Conservation Zones	0	0	0	0	0
82	10.11	Green Belt	0	0	0	0	0
82	10.12	<u>Proposed Ramsar sites</u>	0	0	0	1	2



83	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
83	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
83	10.15	Nitrate Sensitive Areas	0	0	0	0	0
84	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
85	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	2	-	-	-	-
87	<u>10.18</u>	<u>SSSI Units</u>	0	0	0	2	1
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
89	11.1	World Heritage Sites	0	0	0	-	-
89	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
89	11.3	National Parks	0	0	0	-	-
89	11.4	Listed Buildings	0	0	0	-	-
90	11.5	Conservation Areas	0	0	0	-	-
90	11.6	Scheduled Ancient Monuments	0	0	0	-	-
90	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
91	<u>12.1</u>	<u>Agricultural Land Classification</u>	Urban (within 250m)				
92	12.2	Open Access Land	0	0	0	-	-
92	12.3	Tree Felling Licences	0	0	0	-	-
92	12.4	Environmental Stewardship Schemes	0	0	0	-	-
92	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
93	13.1	Priority Habitat Inventory	0	0	0	-	-
93	13.2	Habitat Networks	0	0	0	-	-
94	<u>13.3</u>	<u>Open Mosaic Habitat</u>	0	1	0	-	-
94	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
95	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
96	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	0	0	1	0	-
97	<u>14.3</u>	<u>Superficial geology (10k)</u>	0	0	1	0	-



98	14.4	Landslip (10k)	0	0	0	0	-
99	14.5	<u>Bedrock geology (10k)</u>	0	0	1	0	-
100	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
101	15.1	<u>50k Availability</u>	Identified (within 500m)				
102	15.2	<u>Artificial and made ground (50k)</u>	1	1	0	0	-
103	15.3	<u>Artificial ground permeability (50k)</u>	1	0	-	-	-
104	15.4	<u>Superficial geology (50k)</u>	1	1	2	0	-
105	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
105	15.6	Landslip (50k)	0	0	0	0	-
105	15.7	Landslip permeability (50k)	None (within 50m)				
106	15.8	<u>Bedrock geology (50k)</u>	1	1	4	2	-
107	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
107	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
108	16.1	<u>BGS Boreholes</u>	8	5	21	-	-
Page	Section	Natural ground subsidence					
111	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
112	17.2	<u>Running sands</u>	Very low (within 50m)				
113	17.3	<u>Compressible deposits</u>	Very low (within 50m)				
114	17.4	<u>Collapsible deposits</u>	Negligible (within 50m)				
115	17.5	<u>Landslides</u>	Very low (within 50m)				
116	17.6	<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
118	18.1	Natural cavities	0	0	0	0	-
119	18.2	BritPits	0	0	0	0	-
119	18.3	<u>Surface ground workings</u>	17	6	17	-	-
121	18.4	Underground workings	0	0	0	0	0
121	18.5	<u>Historical Mineral Planning Areas</u>	0	0	0	1	-



<u>121</u>	<u>18.6</u>	<u>Non-coal mining</u>	0	0	0	0	1
<u>122</u>	<u>18.7</u>	<u>Mining cavities</u>	0	0	0	0	1
122	18.8	JPB mining areas	None (within 0m)				
122	18.9	Coal mining	None (within 0m)				
122	18.10	Brine areas	None (within 0m)				
123	18.11	Gypsum areas	None (within 0m)				
123	18.12	Tin mining	None (within 0m)				
123	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>124</u>	<u>19.1</u>	<u>Radon</u>	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>126</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	7	1	-	-	-
126	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
127	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
128	21.1	Underground railways (London)	0	0	0	-	-
128	21.2	Underground railways (Non-London)	0	0	0	-	-
129	21.3	Railway tunnels	0	0	0	-	-
<u>129</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	16	4	34	-	-
131	21.5	Royal Mail tunnels	0	0	0	-	-
<u>131</u>	<u>21.6</u>	<u>Historical railways</u>	0	0	10	-	-
<u>132</u>	<u>21.7</u>	<u>Railways</u>	0	2	26	-	-
133	21.8	Crossrail 1	0	0	0	0	-
133	21.9	Crossrail 2	0	0	0	0	-
134	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 19/04/2021

Site Area: 24.69ha



Recent site history - 2019 aerial photograph



Capture Date: 26/08/2019

Site Area: 24.69ha



Recent site history - 2015 aerial photograph

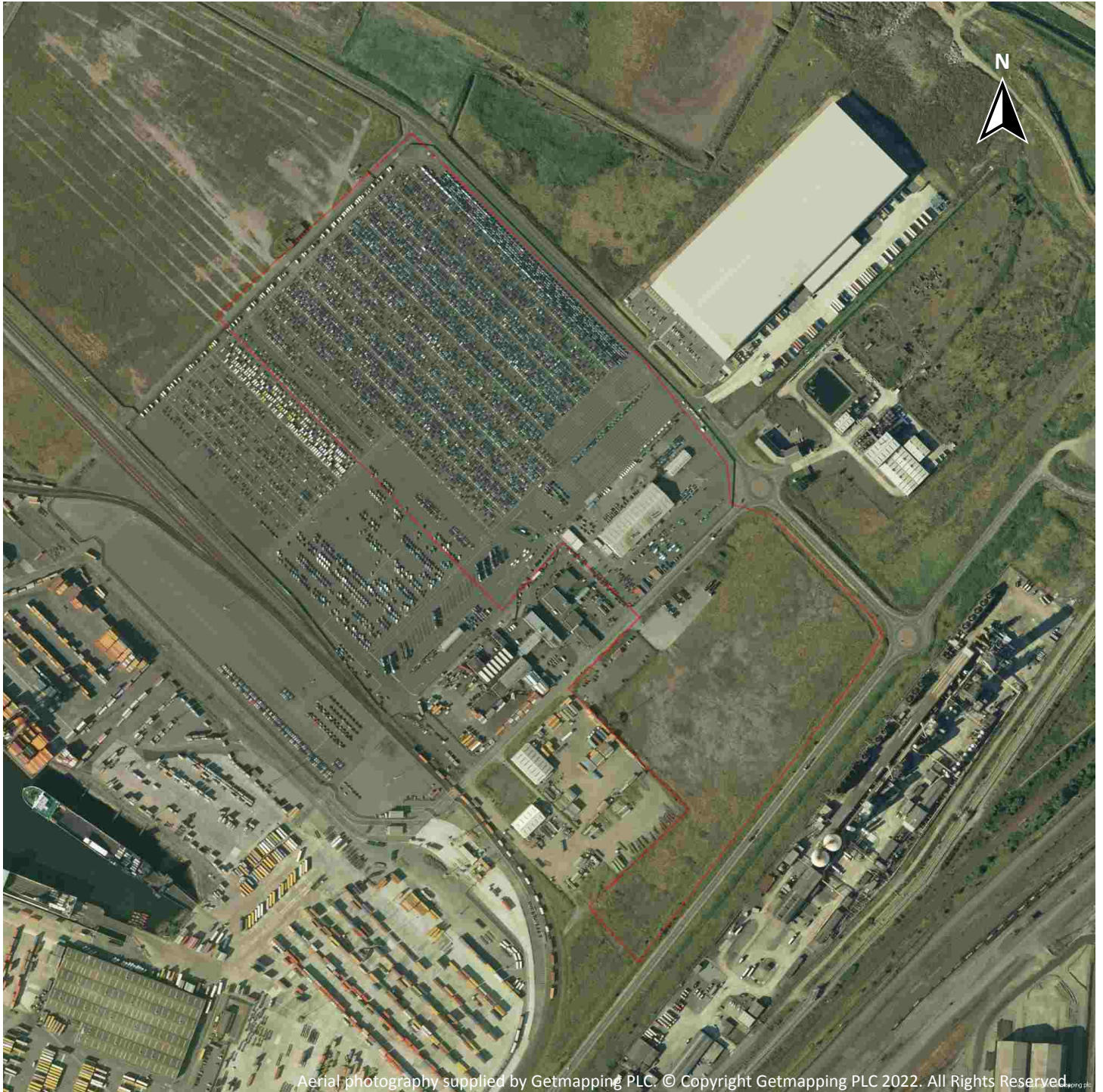


Capture Date: 08/10/2015

Site Area: 24.69ha



Recent site history - 2007 aerial photograph



Capture Date: 07/09/2007

Site Area: 24.69ha



Recent site history - 1999 aerial photograph

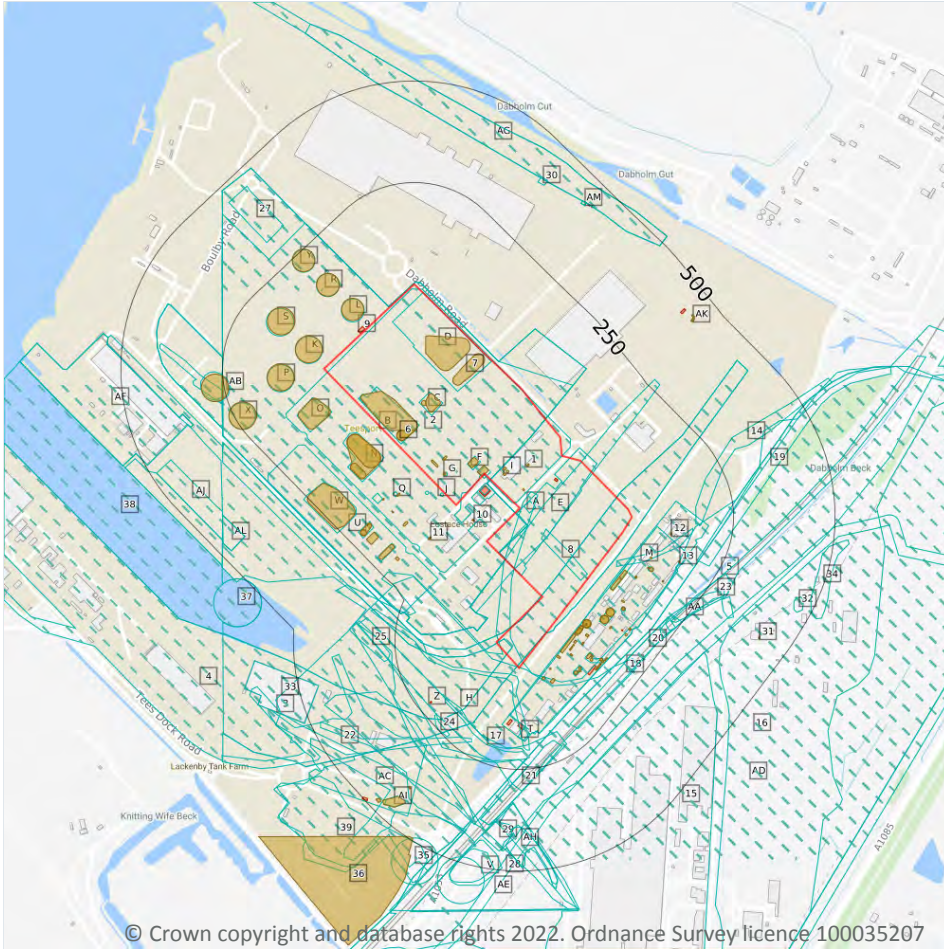


Capture Date: 10/09/1999

Site Area: 24.69ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

104

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 13**

ID	Location	Land use	Dates present	Group ID
2	On site	Unspecified Depot	1991	1320805

ID	Location	Land use	Dates present	Group ID
3	On site	Railway Sidings	1974	1352207
4	On site	Railway Sidings	1983 - 1992	1359028
5	On site	Railway Sidings	1952	1375851
8	On site	Unspecified Heap	1952	1312067
A	On site	Fire Station	1983	1305084
A	On site	Unspecified Depot	1991	1320806
B	On site	Refinery	1983	1338919
B	On site	Refinery	1988	1338920
B	On site	Refinery	1974	1339096
B	On site	Unspecified Tanks	1974 - 1983	1389638
C	On site	Unspecified Tanks	1974 - 1983	1355155
D	On site	Unspecified Tanks	1974 - 1983	1370805
E	On site	Railway Sidings	1974 - 1983	1376239
F	On site	Unspecified Tanks	1974 - 1983	1376634
F	On site	Cooling Tank	1974 - 1983	1400055
G	On site	Unspecified Tanks	1974 - 1983	1379904
H	On site	Railway Sidings	1927	1392119
J	3m SW	Chimney	1974 - 1983	1357721
F	13m SW	Electric Substation	1974 - 1983	1354964
F	20m SW	Electricity Substation	1991	1334712
H	22m S	Unspecified Ground Workings	1952	1309869
K	26m NW	Unspecified Tanks	1974 - 1983	1368547
J	27m SW	Chimney	1974 - 1983	1384143
L	28m NW	Unspecified Tanks	1974 - 1983	1390045
M	31m SE	Unspecified Heap	1952	1312071
N	46m SW	Unspecified Tanks	1974 - 1983	1397637
M	51m SE	Unspecified Works	1983 - 1991	1341081
M	54m SE	Unspecified Works	1974	1359980



ID	Location	Land use	Dates present	Group ID
M	55m SE	Cooling Tanks	1974	1329798
M	57m SE	Unspecified Tanks	1974 - 1983	1399427
M	59m SE	Unspecified Tank	1974 - 1983	1368760
O	60m SW	Unspecified Tanks	1974 - 1983	1364668
P	76m W	Unspecified Tanks	1974 - 1983	1359549
Q	84m SW	Unspecified Tanks	1974 - 1983	1353695
M	86m SE	Unspecified Tanks	1974 - 1991	1401114
M	103m SE	Unspecified Tank	1974 - 1991	1376930
M	110m SE	Unspecified Tank	1974 - 1991	1399917
M	111m SE	Unspecified Tank	1983 - 1991	1397074
M	113m SE	Unspecified Tanks	1974	1319167
M	113m SE	Unspecified Tanks	1974	1319168
R	116m NW	Unspecified Tanks	1974 - 1983	1374413
Q	119m SW	Unspecified Tanks	1974 - 1983	1348190
S	124m NW	Unspecified Tanks	1974 - 1983	1349058
T	146m S	Electric Substation	1974	1332004
U	152m SW	Unspecified Depot	1991	1320807
14	157m E	Refuse Heap	1952	1328129
15	163m SE	Railway Sidings	1974	1365113
16	163m SE	Railway Sidings	1983 - 1991	1365716
17	173m SW	Refuse Heap	1952	1328137
U	179m SW	Unspecified Tanks	1974 - 1983	1386908
U	181m SW	Unspecified Tanks	1974 - 1983	1373187
V	181m SE	Railway Sidings	1913	1385508
W	182m SW	Unspecified Tanks	1974 - 1983	1376656
18	186m SE	Cuttings	1893	1373341
19	192m SE	Cuttings	1952	1306648
20	196m SE	Cuttings	1913 - 1927	1346849



ID	Location	Land use	Dates present	Group ID
21	197m SE	Cuttings	1952	1306649
Y	200m NW	Unspecified Tanks	1974 - 1983	1367545
X	201m SW	Unspecified Tanks	1974 - 1983	1353823
22	210m SW	Refuse Heap	1952	1328130
AA	218m SE	Railway Sidings	1893	1398358
AA	221m SE	Railway Sidings	1927	1397119
23	227m SE	Railway Sidings	1913	1339893
24	227m SW	Unspecified Ground Workings	1952	1309871
AB	235m W	Unspecified Tanks	1974 - 1983	1346212
AB	249m W	Refinery	1992	1404256
AB	251m W	Unspecified Tank	1988 - 1992	1405248
AB	254m W	Unspecified Heap	1955	1312066
AC	259m W	Refuse Heaps	1927	1314453
25	263m W	Refuse Heap	1952	1328135
AD	273m SE	Unspecified Works	1974 - 1983	1365437
V	280m SW	Railway Sidings	1893	1360230
26	295m SE	Cuttings	1893	1306650
AC	296m SW	Oil Supply Terminal	1974 - 1983	1391064
AD	298m SE	Electricity Substation	1991	1406907
27	323m NW	Unspecified Tanks	1983	1319165
28	331m S	Slag Wool Works	1913 - 1927	1391200
AE	333m S	Railway Sidings	1927 - 1930	1374633
AF	349m SW	Unspecified Commercial/Industrial	1988	1307071
AF	349m SW	Terminal	1992	1327272
29	383m S	Slag Wool Works	1952	1397369
AG	383m NE	Railway Sidings	1974	1364329
AG	383m NE	Railway Sidings	1983 - 1991	1391631
AH	387m S	Refuse Heap	1952	1389312



ID	Location	Land use	Dates present	Group ID
AH	392m S	Refuse Heap	1927	1391588
30	393m NE	Railway Building	1991	1322589
AJ	424m SW	Unspecified Warehouses	1988 - 1992	1359473
AL	427m SW	Unspecified Warehouse	1991	1345828
AL	427m SW	Unspecified Warehouse	1983	1397283
AI	430m SW	Unspecified Tanks	1974 - 1983	1357283
AM	430m NE	Electricity Substation	1991	1334714
AM	430m NE	Electric Substation	1974 - 1983	1382191
AE	433m S	Refuse Heap	1913 - 1927	1347214
32	450m SE	Unspecified Heap	1991	1312072
33	451m W	Unspecified Warehouse	1974 - 1991	1399214
AE	458m S	Refuse Heap	1952	1358740
AJ	473m SW	Railway Sidings	1988 - 1992	1349028
34	477m E	Refuse Heap	1952	1328136
35	484m SW	Tunnel	1983 - 1991	1390785
AE	485m S	Tunnel	1983 - 1991	1355479
37	495m SW	Dock	1974	1381661
38	495m SW	Dock	1983 - 1992	1354809
39	500m SW	Refuse Heap	1952	1328134

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

99

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

Features are displayed on the Past land use map on **page 13**



ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Tank	1999	202915
6	On site	Tanks	1980	220335
7	On site	Tanks	1974	206292
A	On site	Tanks	1999	206293
B	On site	Tanks	1971	211400
C	On site	Tanks	1974	206290
C	On site	Unspecified Tank	1971	202929
D	On site	Tanks	1974	206291
F	On site	Tanks	1971 - 1983	207861
F	On site	Cooling Tank	1971 - 1983	209429
G	On site	Unspecified Tank	1971 - 1983	215068
G	On site	Unspecified Tank	1971 - 1983	210363
G	On site	Unspecified Tank	1971 - 1983	217092
I	On site	Unspecified Tank	1983	202916
I	On site	Unspecified Tank	1983	202917
I	On site	Unspecified Tank	1971 - 1983	215553
K	27m NW	Unspecified Tank	1971	202920
L	31m NW	Unspecified Tank	1971	202919
N	46m SW	Tanks	1971	210208
N	46m SW	Tanks	1980	217773
10	54m SE	Unspecified Tank	1990 - 1999	208873
M	55m SE	Unspecified Tank	1983	220774
M	55m SE	Tanks	1971	206320
M	55m SE	Cooling Tanks	1971	204703
M	55m SE	Unspecified Tank	1963	216780
M	56m SE	Cooling Tank	1999	213329
M	56m SE	Cooling Tank	1994	216287
M	56m SE	Unspecified Tank	1964 - 1971	220527



ID	Location	Land use	Dates present	Group ID
M	56m SE	Cooling Tank	1971	212531
O	58m SW	Tanks	1971	206289
M	59m SE	Cooling Tank	1971	204425
M	60m SE	Unspecified Tank	1993	203001
M	60m SE	Cooling Tank	1971	204424
M	60m SE	Unspecified Tank	1959 - 1971	209539
M	63m SE	Unspecified Tank	1994 - 1999	222439
M	68m SE	Tanks	1971	206309
M	71m SE	Tanks	1971	206311
M	71m SE	Tanks	1971	206310
P	76m W	Unspecified Tank	1971	202926
M	79m SE	Unspecified Tank	1971	202943
Q	80m SW	Unspecified Tank	1971 - 1980	209206
M	80m SE	Unspecified Tank	1971 - 1993	214241
M	82m SE	Tanks	1993	206321
M	83m SE	Unspecified Tank	1983 - 1999	211420
M	83m SE	Unspecified Tank	1971 - 1990	210625
M	84m SE	Unspecified Tank	1971	216139
M	84m SE	Unspecified Tank	1994 - 1999	220495
M	86m SE	Unspecified Tank	1971 - 1993	212995
M	90m SE	Unspecified Tank	1994	221850
M	92m SE	Unspecified Tank	1983 - 1994	212582
M	92m SE	Unspecified Tank	1983 - 1987	214090
M	99m SE	Tanks	1990 - 1999	212612
11	101m SW	Unspecified Tank	1990 - 1999	221886
M	102m SE	Unspecified Tank	1983 - 1994	222013
12	103m SE	Unspecified Tank	1983 - 1994	217716
N	105m SW	Tanks	1980	210064



ID	Location	Land use	Dates present	Group ID
M	107m SE	Unspecified Tank	1974 - 1994	210514
M	110m SE	Unspecified Tank	1983 - 1999	217701
M	111m SE	Unspecified Tank	1971	218552
M	114m SE	Tanks	1971	206316
M	115m SE	Tanks	1959 - 1971	220894
Q	115m SW	Tanks	1971 - 1980	209992
M	115m SE	Tanks	1971	206315
M	116m SE	Tanks	1990 - 1999	211797
R	116m NW	Unspecified Tank	1971	202918
Q	116m SW	Unspecified Tank	1971 - 1980	213704
M	119m SE	Tanks	1971	206317
Q	123m SW	Unspecified Tank	1971 - 1980	216257
M	123m SE	Tanks	1971	206312
S	124m NW	Unspecified Tank	1971	202921
M	126m SE	Unspecified Tank	1959 - 1971	217308
M	144m SE	Tanks	1971	206319
M	145m SE	Unspecified Tank	1959	202942
M	150m SE	Unspecified Tank	1994	202935
M	151m SE	Tanks	1971	206318
M	151m SE	Unspecified Tank	1993	203000
13	154m SE	Unspecified Tank	1994	202934
M	155m SE	Tanks	1971	206313
M	155m SE	Unspecified Tank	1974 - 1987	212168
M	155m SE	Unspecified Tank	1994	217394
M	156m SE	Unspecified Tank	1959	202937
U	179m SW	Tanks	1971 - 1980	213303
U	182m SW	Tanks	1980	220312
W	183m SW	Tanks	1971 - 1980	215946



ID	Location	Land use	Dates present	Group ID
U	183m SW	Tanks	1971	217279
U	191m SW	Tanks	1971 - 1980	207602
U	193m SW	Tanks	1971 - 1980	216105
X	198m SW	Unspecified Tank	1971	202927
Y	201m NW	Unspecified Tank	1971	202922
U	204m SW	Tanks	1971	207942
AB	238m W	Unspecified Tank	1971	202925
AB	250m W	Unspecified Tank	1971	202928
AI	397m SW	Unspecified Tank	1971	203020
31	422m SE	Unspecified Tank	1987 - 1993	214276
AK	431m NE	Tanks	1992	211226
AI	431m SW	Tanks	1971	206331
AK	432m NE	Tanks	1997	210400
AI	469m SW	Tanks	1971	206332
36	494m SW	Tank Farm	1973 - 1984	221081

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

14

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
E	On site	Electricity Substation	1990 - 1999	126943
9	3m NW	Electricity Substation	1993	117470
F	20m SW	Electricity Substation	1971 - 1999	125718



ID	Location	Land use	Dates present	Group ID
F	20m SE	Electricity Substation	1983 - 1990	126020
T	129m S	Electricity Substation	1993	117474
T	135m S	Electricity Substation	1971	117473
M	142m SE	Electricity Substation	1971	117472
M	143m SE	Electricity Substation	1971	117471
Z	217m SW	Electricity Substation	1952	124210
Z	217m SW	Electricity Substation	1952	122279
AK	424m NE	Electricity Substation	1992 - 1997	123995
AM	439m NE	Electricity Substation	1969 - 1984	123822
AM	441m NE	Electricity Substation	1989 - 1994	122471
AI	492m SW	Electricity Substation	1971 - 1993	125990

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

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 ungrouped 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

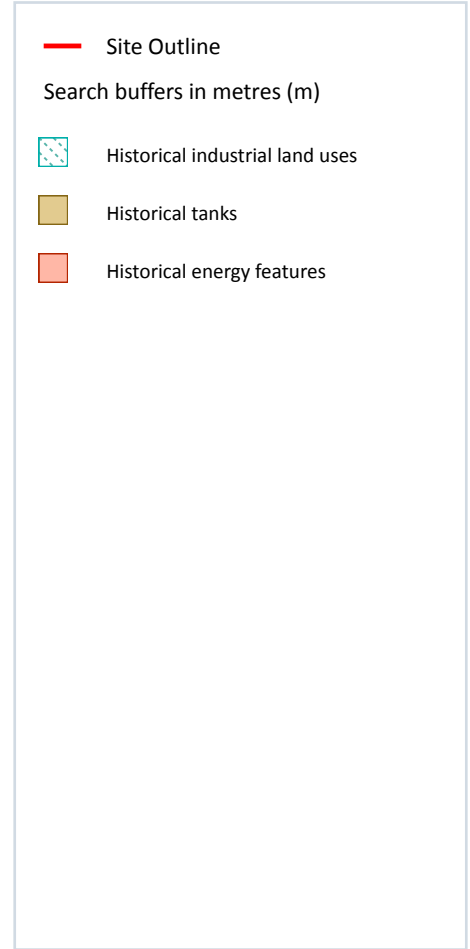
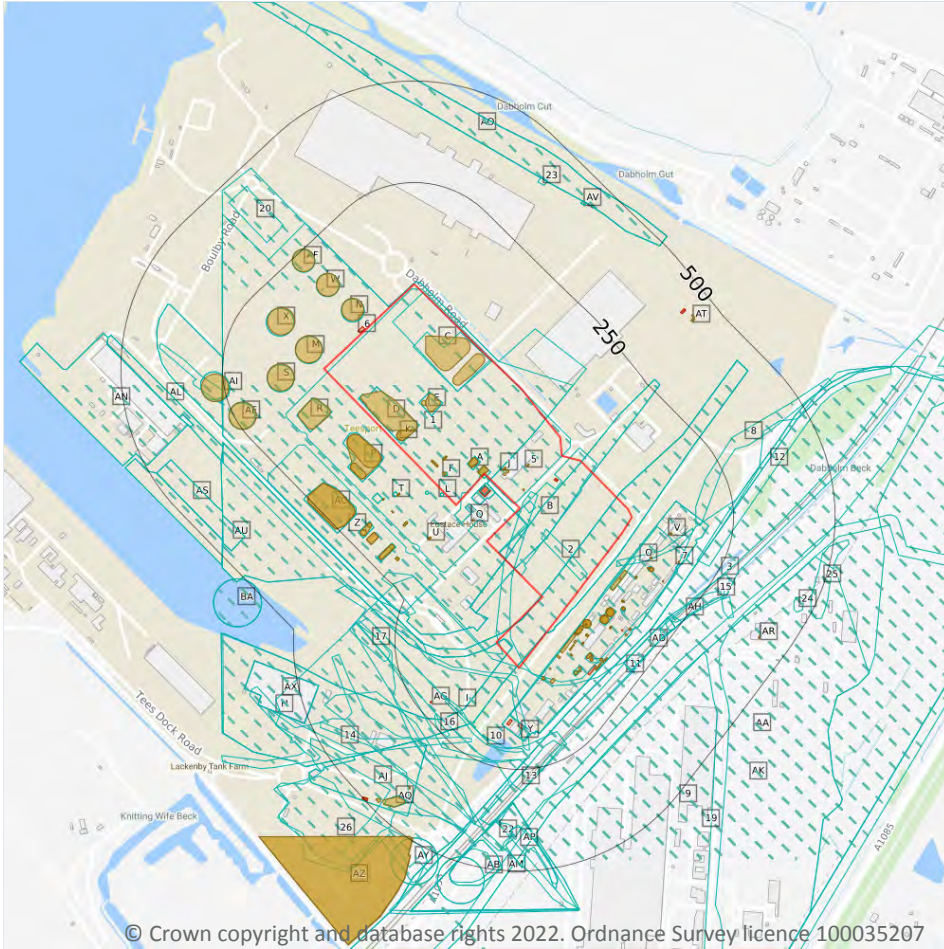
0

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



2.1 Historical industrial land uses

Records within 500m **159**

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 24**

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Depot	1991	1320805
2	On site	Unspecified Heap	1952	1312067
3	On site	Railway Sidings	1952	1375851

ID	Location	Land Use	Date	Group ID
4	On site	Railway Sidings	1974	1352207
A	On site	Unspecified Tanks	1983	1376634
A	On site	Cooling Tank	1983	1400055
A	On site	Unspecified Tanks	1974	1376634
A	On site	Cooling Tank	1974	1400055
B	On site	Unspecified Depot	1991	1320806
B	On site	Fire Station	1983	1305084
C	On site	Unspecified Tanks	1983	1370805
C	On site	Unspecified Tanks	1974	1370805
D	On site	Unspecified Tanks	1983	1389638
D	On site	Refinery	1983	1338919
D	On site	Unspecified Tanks	1974	1389638
D	On site	Refinery	1974	1339096
E	On site	Unspecified Tanks	1983	1355155
E	On site	Unspecified Tanks	1974	1355155
F	On site	Unspecified Tanks	1983	1379904
F	On site	Unspecified Tanks	1974	1379904
G	On site	Railway Sidings	1983	1376239
G	On site	Railway Sidings	1974	1376239
H	On site	Railway Sidings	1991	1359028
H	On site	Railway Sidings	1983	1359028
I	On site	Railway Sidings	1927	1392119
L	3m SW	Chimney	1983	1357721
L	3m SW	Chimney	1974	1357721
A	13m SW	Electric Substation	1983	1354964
A	13m SW	Electric Substation	1974	1354964
A	20m SW	Electricity Substation	1991	1334712
I	22m S	Unspecified Ground Workings	1952	1309869



ID	Location	Land Use	Date	Group ID
M	26m NW	Unspecified Tanks	1983	1368547
M	26m NW	Unspecified Tanks	1974	1368547
L	27m SW	Chimney	1983	1384143
L	27m SW	Chimney	1974	1384143
N	28m NW	Unspecified Tanks	1983	1390045
N	28m NW	Unspecified Tanks	1974	1390045
O	31m SE	Unspecified Heap	1952	1312071
P	46m SW	Unspecified Tanks	1983	1397637
P	46m SW	Unspecified Tanks	1974	1397637
O	51m SE	Unspecified Works	1991	1341081
O	51m SE	Unspecified Works	1983	1341081
O	54m SE	Unspecified Works	1974	1359980
O	55m SE	Cooling Tanks	1974	1329798
O	57m SE	Unspecified Tanks	1983	1399427
O	57m SE	Unspecified Tanks	1974	1399427
O	59m SE	Unspecified Tank	1983	1368760
O	59m SE	Unspecified Tank	1974	1368760
R	60m SW	Unspecified Tanks	1983	1364668
R	60m SW	Unspecified Tanks	1974	1364668
S	76m W	Unspecified Tanks	1983	1359549
S	76m W	Unspecified Tanks	1974	1359549
T	84m SW	Unspecified Tanks	1983	1353695
T	84m SW	Unspecified Tanks	1974	1353695
O	86m SE	Unspecified Tanks	1991	1401114
O	86m SE	Unspecified Tanks	1983	1401114
O	86m SE	Unspecified Tanks	1974	1401114
O	103m SE	Unspecified Tank	1991	1376930
O	103m SE	Unspecified Tank	1983	1376930



ID	Location	Land Use	Date	Group ID
O	103m SE	Unspecified Tank	1974	1376930
O	110m SE	Unspecified Tank	1991	1399917
O	110m SE	Unspecified Tank	1983	1399917
O	110m SE	Unspecified Tank	1974	1399917
O	111m SE	Unspecified Tank	1991	1397074
O	111m SE	Unspecified Tank	1983	1397074
O	113m SE	Unspecified Tanks	1974	1319167
O	113m SE	Unspecified Tanks	1974	1319168
W	116m NW	Unspecified Tanks	1983	1374413
W	116m NW	Unspecified Tanks	1974	1374413
T	119m SW	Unspecified Tanks	1983	1348190
T	119m SW	Unspecified Tanks	1974	1348190
X	124m NW	Unspecified Tanks	1983	1349058
X	124m NW	Unspecified Tanks	1974	1349058
Y	146m S	Electric Substation	1974	1332004
Z	152m SW	Unspecified Depot	1991	1320807
8	157m E	Refuse Heap	1952	1328129
9	163m SE	Railway Sidings	1974	1365113
AA	163m SE	Railway Sidings	1991	1365716
AA	163m SE	Railway Sidings	1983	1365716
10	173m SW	Refuse Heap	1952	1328137
Z	179m SW	Unspecified Tanks	1983	1386908
Z	179m SW	Unspecified Tanks	1974	1386908
Z	181m SW	Unspecified Tanks	1983	1373187
Z	181m SW	Unspecified Tanks	1974	1373187
AB	181m SE	Railway Sidings	1913	1385508
AC	182m SW	Unspecified Tanks	1983	1376656
AC	182m SW	Unspecified Tanks	1974	1376656



ID	Location	Land Use	Date	Group ID
11	186m SE	Cuttings	1893	1373341
12	192m SE	Cuttings	1952	1306648
AD	196m SE	Cuttings	1913	1346849
AD	196m SE	Cuttings	1927	1346849
13	197m SE	Cuttings	1952	1306649
AF	200m NW	Unspecified Tanks	1983	1367545
AF	200m NW	Unspecified Tanks	1974	1367545
AE	201m SW	Unspecified Tanks	1983	1353823
AE	201m SW	Unspecified Tanks	1974	1353823
14	210m SW	Refuse Heap	1952	1328130
AH	218m SE	Railway Sidings	1893	1398358
AH	221m SE	Railway Sidings	1927	1397119
15	227m SE	Railway Sidings	1913	1339893
16	227m SW	Unspecified Ground Workings	1952	1309871
AI	235m W	Unspecified Tanks	1983	1346212
AI	235m W	Unspecified Tanks	1974	1346212
AI	249m W	Refinery	1992	1404256
AI	249m W	Refinery	1988	1338920
AI	251m W	Unspecified Tank	1992	1405248
AI	251m W	Unspecified Tank	1988	1405248
AI	254m W	Unspecified Heap	1955	1312066
AJ	259m W	Refuse Heaps	1927	1314453
17	263m W	Refuse Heap	1952	1328135
AK	273m SE	Unspecified Works	1983	1365437
AB	280m SW	Railway Sidings	1893	1360230
18	295m SE	Cuttings	1893	1306650
AJ	296m SW	Oil Supply Terminal	1983	1391064
AJ	296m SW	Oil Supply Terminal	1974	1391064



ID	Location	Land Use	Date	Group ID
19	298m SE	Unspecified Works	1974	1365437
AK	298m SE	Electricity Substation	1991	1406907
AL	315m SW	Railway Sidings	1992	1359028
AL	315m SW	Railway Sidings	1988	1359028
20	323m NW	Unspecified Tanks	1983	1319165
AM	331m S	Slag Wool Works	1913	1391200
AM	331m S	Slag Wool Works	1927	1391200
21	333m S	Railway Sidings	1927	1374633
AN	349m SW	Terminal	1992	1327272
AN	349m SW	Unspecified Commercial/Industrial	1988	1307071
22	383m S	Slag Wool Works	1952	1397369
AO	383m NE	Railway Sidings	1991	1391631
AO	383m NE	Railway Sidings	1983	1391631
AO	383m NE	Railway Sidings	1974	1364329
AP	387m S	Refuse Heap	1952	1389312
AP	392m S	Refuse Heap	1927	1391588
23	393m NE	Railway Building	1991	1322589
AS	424m SW	Unspecified Warehouses	1992	1359473
AS	424m SW	Unspecified Warehouses	1988	1359473
AU	427m SW	Unspecified Warehouse	1991	1345828
AU	427m SW	Unspecified Warehouse	1983	1397283
AQ	430m SW	Unspecified Tanks	1983	1357283
AQ	430m SW	Unspecified Tanks	1974	1357283
AV	430m NE	Electricity Substation	1991	1334714
AV	430m NE	Electric Substation	1983	1382191
AV	430m NE	Electric Substation	1974	1382191
AW	433m S	Refuse Heap	1913	1347214
AW	433m S	Refuse Heap	1927	1347214



ID	Location	Land Use	Date	Group ID
24	450m SE	Unspecified Heap	1991	1312072
AX	451m W	Unspecified Warehouse	1991	1399214
AX	451m W	Unspecified Warehouse	1983	1399214
AX	451m W	Unspecified Warehouse	1974	1399214
AW	458m S	Refuse Heap	1952	1358740
AS	473m SW	Railway Sidings	1992	1349028
AS	473m SW	Railway Sidings	1988	1349028
25	477m E	Refuse Heap	1952	1328136
AY	484m SW	Tunnel	1991	1390785
AY	484m SW	Tunnel	1983	1390785
AW	485m S	Tunnel	1991	1355479
AW	485m S	Tunnel	1983	1355479
BA	495m SW	Dock	1991	1354809
BA	495m SW	Dock	1983	1354809
BA	495m SW	Dock	1974	1381661
26	500m SW	Refuse Heap	1952	1328134

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

152

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 24**

ID	Location	Land Use	Date	Group ID
5	On site	Unspecified Tank	1999	202915
A	On site	Cooling Tank	1971	209429
A	On site	Tanks	1971	207861
A	On site	Cooling Tank	1983	209429



ID	Location	Land Use	Date	Group ID
A	On site	Tanks	1983	207861
B	On site	Tanks	1999	206293
C	On site	Tanks	1974	206291
C	On site	Tanks	1974	206292
D	On site	Tanks	1971	211400
E	On site	Tanks	1974	206290
E	On site	Unspecified Tank	1971	202929
F	On site	Unspecified Tank	1971	210363
F	On site	Unspecified Tank	1971	217092
F	On site	Unspecified Tank	1971	215068
F	On site	Unspecified Tank	1983	217092
F	On site	Unspecified Tank	1983	215068
F	On site	Unspecified Tank	1983	210363
J	On site	Unspecified Tank	1971	215553
J	On site	Unspecified Tank	1983	202916
J	On site	Unspecified Tank	1983	202917
J	On site	Unspecified Tank	1983	215553
K	On site	Tanks	1971	211400
K	On site	Tanks	1980	220335
M	27m NW	Unspecified Tank	1971	202920
N	31m NW	Unspecified Tank	1971	202919
P	46m SW	Tanks	1971	210208
P	46m SW	Tanks	1980	217773
Q	54m SE	Unspecified Tank	1990	208873
O	55m SE	Unspecified Tank	1983	220774
O	55m SE	Tanks	1971	206320
O	55m SE	Cooling Tanks	1971	204703
O	55m SE	Unspecified Tank	1963	216780



ID	Location	Land Use	Date	Group ID
Q	56m SE	Unspecified Tank	1994	208873
Q	56m SE	Unspecified Tank	1999	208873
O	56m SE	Cooling Tank	1994	216287
O	56m SE	Cooling Tank	1999	213329
O	56m SE	Unspecified Tank	1964	220527
O	56m SE	Unspecified Tank	1971	220527
O	56m SE	Cooling Tank	1971	212531
O	57m SE	Cooling Tank	1971	212531
R	58m SW	Tanks	1971	206289
O	59m SE	Cooling Tank	1971	204425
O	60m SE	Unspecified Tank	1993	203001
O	60m SE	Unspecified Tank	1971	209539
O	60m SE	Unspecified Tank	1959	209539
O	60m SE	Cooling Tank	1971	204424
O	63m SE	Unspecified Tank	1994	222439
O	63m SE	Unspecified Tank	1999	222439
O	68m SE	Tanks	1971	206309
O	71m SE	Tanks	1971	206311
O	71m SE	Tanks	1971	206310
S	76m W	Unspecified Tank	1971	202926
O	79m SE	Unspecified Tank	1971	202943
T	80m SW	Unspecified Tank	1971	209206
O	80m SE	Unspecified Tank	1971	214241
T	80m SW	Unspecified Tank	1980	209206
O	81m SE	Unspecified Tank	1993	214241
O	82m SE	Tanks	1993	206321
O	83m SE	Unspecified Tank	1983	211420
O	83m SE	Unspecified Tank	1990	211420



ID	Location	Land Use	Date	Group ID
O	83m SE	Unspecified Tank	1983	210625
O	83m SE	Unspecified Tank	1990	210625
O	84m SE	Unspecified Tank	1994	211420
O	84m SE	Unspecified Tank	1999	211420
O	84m SE	Unspecified Tank	1971	216139
O	84m SE	Unspecified Tank	1994	220495
O	84m SE	Unspecified Tank	1999	220495
O	85m SE	Unspecified Tank	1971	210625
O	86m SE	Unspecified Tank	1971	212995
O	87m SE	Unspecified Tank	1993	212995
O	90m SE	Unspecified Tank	1994	221850
O	92m SE	Unspecified Tank	1994	212582
O	92m SE	Unspecified Tank	1983	212582
O	92m SE	Unspecified Tank	1983	214090
O	92m SE	Unspecified Tank	1987	214090
O	92m SE	Unspecified Tank	1987	212582
O	99m SE	Tanks	1990	212612
O	100m SE	Tanks	1994	212612
O	100m SE	Tanks	1999	212612
U	101m SW	Unspecified Tank	1990	221886
U	101m SW	Unspecified Tank	1994	221886
U	101m SW	Unspecified Tank	1999	221886
O	102m SE	Unspecified Tank	1994	222013
O	102m SE	Unspecified Tank	1983	222013
O	102m SE	Unspecified Tank	1987	222013
V	103m SE	Unspecified Tank	1994	217716
V	103m SE	Unspecified Tank	1983	217716
V	103m SE	Unspecified Tank	1987	217716



ID	Location	Land Use	Date	Group ID
P	105m SW	Tanks	1980	210064
O	107m SE	Unspecified Tank	1994	210514
O	107m SE	Unspecified Tank	1974	210514
O	108m SE	Unspecified Tank	1983	210514
O	108m SE	Unspecified Tank	1987	210514
O	110m SE	Unspecified Tank	1983	217701
O	110m SE	Unspecified Tank	1990	217701
O	111m SE	Unspecified Tank	1971	218552
O	111m SE	Unspecified Tank	1994	217701
O	111m SE	Unspecified Tank	1999	217701
O	114m SE	Tanks	1971	206316
O	115m SE	Tanks	1971	220894
O	115m SE	Tanks	1959	220894
T	115m SW	Tanks	1971	209992
O	115m SE	Tanks	1971	206315
T	116m SW	Tanks	1980	209992
O	116m SE	Tanks	1990	211797
O	116m SE	Tanks	1994	211797
O	116m SE	Tanks	1999	211797
W	116m NW	Unspecified Tank	1971	202918
T	116m SW	Unspecified Tank	1971	213704
T	116m SW	Unspecified Tank	1980	213704
O	119m SE	Tanks	1971	206317
T	123m SW	Unspecified Tank	1971	216257
T	123m SW	Unspecified Tank	1980	216257
O	123m SE	Tanks	1971	206312
X	124m NW	Unspecified Tank	1971	202921
O	126m SE	Unspecified Tank	1971	217308



ID	Location	Land Use	Date	Group ID
O	126m SE	Unspecified Tank	1959	217308
O	144m SE	Tanks	1971	206319
O	145m SE	Unspecified Tank	1959	202942
O	150m SE	Unspecified Tank	1994	202935
O	151m SE	Tanks	1971	206318
O	151m SE	Unspecified Tank	1993	203000
7	154m SE	Unspecified Tank	1994	202934
O	155m SE	Tanks	1971	206313
O	155m SE	Unspecified Tank	1994	217394
O	155m SE	Unspecified Tank	1974	212168
O	156m SE	Unspecified Tank	1987	212168
O	156m SE	Unspecified Tank	1959	202937
Z	179m SW	Tanks	1980	213303
Z	179m SW	Tanks	1971	213303
Z	182m SW	Tanks	1980	220312
AC	183m SW	Tanks	1980	215946
Z	183m SW	Tanks	1971	217279
AC	183m SW	Tanks	1971	215946
Z	191m SW	Tanks	1980	207602
Z	192m SW	Tanks	1971	207602
Z	193m SW	Tanks	1971	216105
Z	193m SW	Tanks	1980	216105
AE	198m SW	Unspecified Tank	1971	202927
AF	201m NW	Unspecified Tank	1971	202922
Z	204m SW	Tanks	1971	207942
AI	238m W	Unspecified Tank	1971	202925
AI	250m W	Unspecified Tank	1971	202928
AQ	397m SW	Unspecified Tank	1971	203020



ID	Location	Land Use	Date	Group ID
AR	422m SE	Unspecified Tank	1987	214276
AR	422m SE	Unspecified Tank	1993	214276
AT	431m NE	Tanks	1992	211226
AQ	431m SW	Tanks	1971	206331
AT	432m NE	Tanks	1997	210400
AQ	469m SW	Tanks	1971	206332
AZ	494m SW	Tank Farm	1973	221081
AZ	495m SW	Tank Farm	1984	221081

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

27

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 24**

ID	Location	Land Use	Date	Group ID
G	On site	Electricity Substation	1994	126943
G	On site	Electricity Substation	1990	126943
G	On site	Electricity Substation	1999	126943
6	3m NW	Electricity Substation	1993	117470
A	20m SW	Electricity Substation	1994	125718
A	20m SE	Electricity Substation	1983	126020
A	20m SE	Electricity Substation	1990	126020
A	20m SW	Electricity Substation	1999	125718
A	20m SW	Electricity Substation	1971	125718
Y	129m S	Electricity Substation	1993	117474
Y	135m S	Electricity Substation	1971	117473
O	142m SE	Electricity Substation	1971	117472



ID	Location	Land Use	Date	Group ID
O	143m SE	Electricity Substation	1971	117471
AG	217m SW	Electricity Substation	1952	124210
AG	217m SW	Electricity Substation	1952	122279
AT	424m NE	Electricity Substation	1992	123995
AT	425m NE	Electricity Substation	1997	123995
AV	439m NE	Electricity Substation	1969	123822
AV	439m NE	Electricity Substation	1969	123822
AV	440m NE	Electricity Substation	1984	123822
AV	441m NE	Electricity Substation	1989	122471
AV	441m NE	Electricity Substation	1989	122471
AV	442m NE	Electricity Substation	1994	122471
AQ	492m SW	Electricity Substation	1989	125990
AQ	492m SW	Electricity Substation	1989	125990
AQ	493m SW	Electricity Substation	1971	125990
AQ	493m SW	Electricity Substation	1993	125990

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (LA/OS)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m **0**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.
This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m **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

3

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

Features are displayed on the Waste and landfill map on **page 38**

ID	Location	Site address	Source	Data type
2	122m NE	Refuse Tip	1962 mapping	Polygon
3	123m NE	Refuse Tip	1962 mapping	Polygon
5	289m NE	Refuse Tip	1962 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

4

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

Features are displayed on the Waste and landfill map on **page 38**

ID	Location	Details		
6	298m NW	Site Address: Bells Containers, Sludge Farm Teesport Refinery, Redcar, Cleveland Licence Holder Address: Teesport Refinery, Grangetown, Middlesbrough, Cleveland	Waste Licence: Yes Site Reference: 0700/CLE/102 Waste Type: Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 14/05/1981 Licence Surrender: -	Operator: - Licence Holder: Shell (UK) Limited First Recorded - Last Recorded: 01/09/1987
7	423m W	Site Address: Bells Containers, Redcar, Cleveland Licence Holder Address: Queen's Square, Middlesbrough, Cleveland	Waste Licence: Yes Site Reference: 0700/CLE/028/2 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 29/07/1977 Licence Surrender: 01/11/1989	Operator: - Licence Holder: Tees and Hartlepool Port Authority First Recorded 29/07/1977 Last Recorded: 30/10/1989



ID	Location	Details		
8	425m NW	Site Address: Bells Containers, Redcar, Cleveland Licence Holder Address: Tees Dock	Waste Licence: Yes Site Reference: 0700/CLE/028/2 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 29/07/1977 Licence Surrender: 01/11/1989	Operator: - Licence Holder: Tees and Hartlepool Port Authority First Recorded 29/07/1977 Last Recorded: 30/09/1989
12	483m NE	Site Address: Teesport Eston Tip, Redcar, Cleveland Licence Holder Address: Queen's Square, Middlesbrough, Cleveland	Waste Licence: Yes Site Reference: 0700/CLE/029/3 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 29/07/1977 Licence Surrender: 17/09/1993	Operator: - Licence Holder: Tees and Hartlepool Port Authority First Recorded 31/12/1977 Last Recorded: 17/09/1993

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

3.5 Historical waste sites

Records within 500m	5
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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 38**

ID	Location	Address	Further Details	Date
9	443m E	Site Address: N/A	Type of Site: Refuse Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952
D	458m SE	Site Address: N/A	Type of Site: Scrap Crushing Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952
D	472m SE	Site Address: N/A	Type of Site: Scrap Crushing Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1953



ID	Location	Address	Further Details	Date
D	479m SE	Site Address: N/A	Type of Site: Scrap Crushing pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1953
D	479m SE	Site Address: N/A	Type of Site: Scrap Crushing Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952

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

3.6 Licensed waste sites

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 38**

ID	Location	Details		
11	470m NE	Site Name: Teesport Landfill Site Address: Teesport Landfill, Off Teesport Road, Teesdock, Nr Grangetown, Middlesbrough, Cleveland, TS6 6UD Correspondence Address: -	Type of Site: Use of waste in construction 100,000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HAL070 EPR reference: EA/EPR/CB3430AN/S002 Operator: Hall Construction Services Ltd Waste Management licence No: 103411 Annual Tonnage: 0	Issue Date: 28/11/2011 Effective Date: - Modified: - Surrendered Date: Jun 7 2016 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m

14

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 38**



ID	Location	Site	Reference	Category	Sub-Category	Description
A	36m SE	Engineering Department, Teesdock, Middlesbrough, TS6 6UD	WEX249451	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
A	36m SE	ICL UK Sales, Potash Terminal, Tees Dock, Middlesbrough, TS6 6UD	WEX162393	Treating waste exemption	Not on a Farm	Recovery of scrap metal
A	36m SE	PD Teesport Ltd - Bulks Department, Tees Dock Road, Grangetown, Middlesbrough, TS6 6UD	WEX164683	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
A	36m SE	Engineering Department, Tees Dock, Middlesbrough, TS6 6UD	WEX103065	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
A	36m SE	Teesdock Terminal, Teesdock, Grangetown, Middlesbrough, TS6 6UD	WEX072968	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	36m SE	Potash Terminal, Tees Dock, Middlesbrough, TS6 6UD	WEX002110	Treating waste exemption	Not on a farm	Recovery of scrap metal
1	57m S	-	WEX215411	Using waste exemption	Not on a farm	Use of waste in construction
B	119m SE	TEES DOCK ROAD, MIDDLESBROUGH, TS6 7RT	WEX186985	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	119m SE	TEES DOCK ROAD, MIDDLESBROUGH, TS6 7RT	WEX023817	Storing waste exemption	Not on a farm	Storage of waste in secure containers
4	137m NE	Kemira Ltd Teesport Middlesbrough Cleveland TS6 7SA	EPR/FF0408U G/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
B	141m SE	BOC Tees Dock Road MIDDLESBROUGH Cleveland TS6 7RT	EPR/WE5255J F/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
C	160m SW	Engineering Department Tees Dock MIDDLESBROUGH Cleveland TS6 6UD	EPR/GF0906C D/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
C	160m SW	Engineering Department Tees Dock MIDDLESBROUGH Cleveland TS6 6UD	EPR/GF0906C D/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
10	463m W	-	WEX215813	Treating waste exemption	Not on a farm	Recovery of scrap metal



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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- ⬮ Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

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 44**

ID	Location	Company	Address	Activity	Category
1	On site	Electricity Sub Station	North Yorkshire, TS6	Electrical Features	Infrastructure and Facilities
A	On site	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
A	On site	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
B	On site	Pylon	North Yorkshire, TS6	Electrical Features	Infrastructure and Facilities
C	On site	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
3	30m SE	Electricity Sub Station	North Yorkshire, TS6	Electrical Features	Infrastructure and Facilities
4	41m SE	Cooling Tower	North Yorkshire, TS6	Chimneys	Industrial Features
E	56m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
5	60m NE	Gas Governor	North Yorkshire, TS6	Gas Features	Infrastructure and Facilities
6	60m N	Electricity Sub Station	North Yorkshire, TS6	Electrical Features	Infrastructure and Facilities
G	68m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
G	68m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
H	82m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
G	82m SE	Tanks	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
G	82m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
H	84m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
F	94m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
F	94m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
F	101m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
7	103m SW	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
F	105m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
F	112m SE	Tanks	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
F	123m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
8	124m S	Electricity Sub Station	North Yorkshire, TS6	Electrical Features	Infrastructure and Facilities
G	135m SE	BOC Industrial Gases	Tees Dock Road, Middlesbrough, North Yorkshire, TS6 7RT	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
9	142m NE	Chimney	North Yorkshire, TS6	Chimneys	Industrial Features



ID	Location	Company	Address	Activity	Category
I	146m NE	Works	North Yorkshire, TS6	Unspecified Works Or Factories	Industrial Features
I	146m NE	Kemira	Teesport, Middlesbrough, North Yorkshire, TS6 7SA	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
J	149m SE	Electricity Sub Station	North Yorkshire, TS6	Electrical Features	Infrastructure and Facilities
F	152m SE	Chimney	North Yorkshire, TS6	Chimneys	Industrial Features
J	153m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
F	165m SE	Tank	North Yorkshire, TS6	Tanks (Generic)	Industrial Features
10	173m NW	Pylon	North Yorkshire, TS6	Electrical Features	Infrastructure and Facilities
11	195m SE	Gantry	North Yorkshire, TS6	Travelling Cranes and Gantries	Industrial Features
L	239m W	P D Tees Port	Tees Dock, Middlesbrough, North Yorkshire, TS6 6UD	Distribution and Haulage	Transport, Storage and Delivery
14	244m SW	Pylon	North Yorkshire, TS6	Electrical Features	Infrastructure and Facilities
15	244m SW	Mast (Telecommunication)	North Yorkshire, TS6	Telecommunications Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Company	Address	LPG	Status
G	97m SE	UNBRANDED	Tees Dock Road, Middlesbrough, Redcar And Cleveland, TS6 7RT	No	Non-Retail

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

4

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.

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Company	Address	Operational status	Tier
2	On site	Tees&hartlepool Port Authority	Tees & Hartlepool Port Authority, Tees Dock, Lackenby, Middlesbrough	Historical NIHHS Site	-
F	54m SE	BOC Limited	BOC Limited, Middlesbrough Tees Dock Road, Tees Dock Road, Middlesbrough, Cleveland, TS6 7RT	Current COMAH Site	COMAH Upper Tier Operator
K	188m SE	Sahaviriya Steel Industries Uk Limited	Sahaviriya Steel Industries Uk Limited, Steel House, Redcar, Cleveland, TS10 5QW	Historical COMAH Site	COMAH Upper Tier Operator



ID	Location	Company	Address	Operational status	Tier
K	218m SE	South Tees Site Company Limited	South Tees Site Company Limited, Redcar, Steel House, Trunk Road, Redcar, Cleveland, TS10 5QW	Current COMAH Site	COMAH Upper Tier Operator

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

2

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 44**

ID	Location	Details	
G	94m SE	Application reference number: No Details Application status: Approved Application date: No Details Address: BOC Limited, Tees Dock Road, Grangetown, Middlesbrough, Redcar and Cleveland Borough Council, England, TS6 7RT	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
G	120m SE	Application reference number: L/1992/0916/HD Application status: Historical Consent Application date: 06/11/1992 Address: BOC Ltd, Tees Dock Road, Grangetown, Middlesbrough, Cleveland, TS6 7RT	Details: Storage of hydrogen, liquid oxygen and LPG Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement 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

16

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 44**

ID	Location	Details	
B	On site	Operator: ALBERMARLE UK LTD Installation Name: KEMIRA TEESPORT EPR/BU5798IW Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BU5798IW Original Permit Number: BU5798IW	EPR Reference: - Issue Date: 23/04/2004 Effective Date: 23/04/2004 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
B	On site	Operator: KEMIRA CHEMICALS (UK) LIMITED Installation Name: KEMIRA TEESPORT EPR/UP3035JQ Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: UP3035JQ Original Permit Number: UP3035JQ	EPR Reference: - Issue Date: 29/11/2017 Effective Date: 29/11/2017 Last date noted as effective: 26/10/2020 Status: TRANSFER EFFECTIVE
B	On site	Operator: KEMIRA TEESPORT LTD Installation Name: KEMIRA TEESPORT EPR/BU5798IW Process: ASSOCIATED PROCESS Permit Number: CP3939NF Original Permit Number: BU5798IW	EPR Reference: - Issue Date: 24/05/2013 Effective Date: 24/05/2013 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
B	On site	Operator: KEMIRA TEESPORT LTD Installation Name: KEMIRA TEESPORT EPR/BU5798IW Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: LP3831LP Original Permit Number: BU5798IW	EPR Reference: - Issue Date: 04/05/2007 Effective Date: 04/05/2007 Last date noted as effective: 01/01/2022 Status: SUPERCEDED



ID	Location	Details	
B	On site	Operator: KEMIRA CHEMICALS (UK) LIMITED Installation Name: KEMIRA TEESPORT EPR/UP3035JQ Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: UP3035JQ Original Permit Number: UP3035JQ	EPR Reference: - Issue Date: 29/11/2017 Effective Date: 29/11/2017 Last date noted as effective: 01/01/2022 Status: TRANSFER EFFECTIVE
B	On site	Operator: KEMIRA TEESPORT LTD Installation Name: KEMIRA TEESPORT EPR/BU5798IW Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: CP3939NF Original Permit Number: BU5798IW	EPR Reference: - Issue Date: 24/05/2013 Effective Date: 24/05/2013 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
B	On site	Operator: KEMIRA CHEMICALS (UK) LIMITED Installation Name: KEMIRA TEESPORT EPR/UP3035JQ Process: ASSOCIATED PROCESS Permit Number: UP3035JQ Original Permit Number: UP3035JQ	EPR Reference: - Issue Date: 29/11/2017 Effective Date: 29/11/2017 Last date noted as effective: 01/01/2022 Status: TRANSFER EFFECTIVE
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT EPR/TP3538GF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BP3339JA Original Permit Number: TP3538GF	EPR Reference: - Issue Date: 27/02/2018 Effective Date: 27/02/2018 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT EPR/TP3538GF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: EP3403BP Original Permit Number: TP3538GF	EPR Reference: - Issue Date: 17/02/2020 Effective Date: 17/02/2020 Last date noted as effective: 01/01/2022 Status: EFFECTIVE
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT EPR/TP3538GF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: NP3836AB Original Permit Number: TP3538GF	EPR Reference: - Issue Date: 24/09/2015 Effective Date: 24/09/2015 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT EPR/TP3538GF Process: ASSOCIATED PROCESS Permit Number: EP3403BP Original Permit Number: TP3538GF	EPR Reference: - Issue Date: 17/02/2020 Effective Date: 17/02/2020 Last date noted as effective: 01/01/2022 Status: EFFECTIVE



ID	Location	Details	
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT EPR/TP3538GF Process: RECOVERY OF WASTE; CLEANING/REGENERATING CARBON ETC BY REMOVING SCHEDULED SUBSTANCES Permit Number: NP3836AB Original Permit Number: TP3538GF	EPR Reference: - Issue Date: 24/09/2015 Effective Date: 24/09/2015 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT EPR/TP3538GF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: TP3538GF Original Permit Number: TP3538GF	EPR Reference: - Issue Date: 23/12/2009 Effective Date: 23/12/2009 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT Process: RECOVERY OF WASTE; CLEANING/REGENERATING CARBON ETC BY REMOVING SCHEDULED SUBSTANCES Permit Number: BP3339JA Original Permit Number: TP3538GF	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/01/2018 Status: DETERMINATION
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT EPR/TP3538GF Process: ASSOCIATED PROCESS Permit Number: BP3339JA Original Permit Number: TP3538GF	EPR Reference: - Issue Date: 27/02/2018 Effective Date: 27/02/2018 Last date noted as effective: 01/01/2022 Status: SUPERCEDED
L	238m W	Operator: MGT TEESSIDE LIMITED Installation Name: TEES RENEWABLE ENERGY PLANT EPR/TP3538GF Process: RECOVERY OF WASTE; CLEANING/REGENERATING CARBON ETC BY REMOVING SCHEDULED SUBSTANCES Permit Number: TP3538GF Original Permit Number: TP3538GF	EPR Reference: - Issue Date: 23/12/2009 Effective Date: 23/12/2009 Last date noted as effective: 01/01/2022 Status: SUPERCEDED

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

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

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 44**



ID	Location	Address	Details	
C	On site	CAT-UK Services Limited, Vehicle Compound, Teesport, Grangetown, Middlesbrough, TS6 6UD	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	On site	M & G (Teesport), Teesport, TS6 7RU	Process: Coal & Coke Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
E	52m NW	PD Teesport Ltd, Teesdock, Grangetown, Middlesbrough, TS6 6UD	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

10

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 44**

ID	Location	Address	Details	
D	On site	TEESPORT REFINERY, GRANGETOWN, MIDDLESBROUGH, CO DURHAM	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0066 Permit Version: 1 Receiving Water: TIDAL WATERS OF TEES	Status: REVOKED - UNSPECIFIED Issue date: 18/03/1966 Effective Date: 18/03/1966 Revocation Date: 24/05/1983



ID	Location	Address	Details	
D	On site	TEESPORT REFINERY, GRANGETOWN, MIDDLESBROUGH, CO DURHAM	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0075 Permit Version: 1 Receiving Water: TIDAL WATERS KINKERDALE BECK	Status: REVOKED - UNSPECIFIED Issue date: 20/01/1967 Effective Date: 20/01/1967 Revocation Date: 24/05/1983
D	On site	TEESPORT REFINERY, GRANGETOWN, MIDDLESBROUGH, CO DURHAM	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0196 Permit Version: 1 Receiving Water: RIVER TEES	Status: REVOKED - UNSPECIFIED Issue date: 29/11/1974 Effective Date: 29/11/1974 Revocation Date: 24/05/1983
D	On site	TEESPORT REFINERY, GRANGETOWN, MIDDLESBROUGH, CO DURHAM	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 254/B/0293 Permit Version: 1 Receiving Water: TIDAL WATERS TEES	Status: REVOKED - UNSPECIFIED Issue date: 25/05/1983 Effective Date: 25/05/1983 Revocation Date: 25/05/1985
D	On site	TEESPORT REFINERY, GRANGETOWN, MIDDLESBROUGH, CO DURHAM	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 254/B/0163 Permit Version: 1 Receiving Water: TIDAL WATERS OF TEES	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 03/11/1972 Effective Date: 03/11/1972 Revocation Date: 01/10/1996
F	162m SE	BOC LIMITED, TEES DOCK ROAD MIDDLESBOROUGH	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 254/1423 Permit Version: 1 Receiving Water: LAND	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 18/10/1995 Effective Date: 18/10/1995 Revocation Date: 25/07/2012
F	162m SE	BOC LIMITED, TEES DOCK ROAD MIDDLESBOROUGH	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 254/1423 Permit Version: 2 Receiving Water: LAND	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/07/2012 Effective Date: 26/07/2012 Revocation Date: -
13	222m NE	ASDA CONSTRUCTION SITE, DABHOLM ROAD, TEESPORT, MIDDLESBROUGH, TS6 6UD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 254/1907 Permit Version: 1 Receiving Water: DABHOLM GUT	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 23/01/2006 Effective Date: 23/01/2006 Revocation Date: 28/02/2006



ID	Location	Address	Details	
18	455m NW	THE ENTRANCE FACILITY, RIVERSIDE RO RO TERMINAL, BOULBY ROAD, TEESPORT, MIDDLESBROUGH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: QC.25/04/1578 Permit Version: 1 Receiving Water: LAND (RIVER TEES)	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/04/1999 Effective Date: 28/04/1999 Revocation Date: -
19	472m NE	RECLAMATION WORKS AT BRAN SANDS, WILTON	Effluent Type: TRADE DISCHARGES - BOILER BLOWDOWN EFFLUENT Permit Number: 254/B/0082 Permit Version: 1 Receiving Water: DABHOLM GUT	Status: REVOKED - UNSPECIFIED Issue date: 26/05/1967 Effective Date: 26/05/1967 Revocation Date: 21/09/1967

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

2

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

Features are displayed on the Current industrial land use map on **page 44**

ID	Location	Name	Status	Receiving Water	Authorised Substances
12	211m SW	New List2 Network 12	Active	North Sea	Arsenic, Dichlorvos, Tributyltin, Triphenyltin, Atrazine & Simazine, Azinphos-methyl, Endosulphan, Fenitrothion, Malathion, Trifluralin, 4-Chloro-3-methyl-phenol, 2-Chlorophenol, 2,4-Dichlorophenol, 2,4-D(ester), 2,4-D(non-ester), 1,1,1-Trichloroethan
17	340m SE	Walon Ltd T/a Walon Uk	Not Active	Unknown	Benzene, Toluene, Xylene

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

1

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 44**

ID	Location	Details	
16	254m W	Incident Date: 19/03/2002 Incident Identification: 65029 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

1

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 44**



ID: B, Location: On site, Permit: UP3035JQ
 Operator: Kemira Chemicals (UK) Limited
 Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS
 Address: Kemira Teesport Cleveland TS6 7SA
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	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

1

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.

Features are displayed on the Current industrial land use map on **page 44**

ID: B, Location: On site, Permit: UP3035JQ
 Operator: Kemira Chemicals (UK) Limited
 Activity: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS
 Address: Kemira Teesport Cleveland TS6 7SA
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	1349	Absolute Value	07 01 01	aqueous washing liquids and mother liquors	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	59	Absolute Value	07 01 08	other still bottoms and reaction residues	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	15	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	20	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	430	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	84	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	58	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2	Absolute Value	17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	12	Absolute Value	20 03 01	mixed municipal waste	0
R1	Use principally as a fuel or other means to generate energy	2	Absolute Value	20 03 01	mixed municipal waste	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	Absolute Value	20 01 40	metals	0
R4	Recycling/reclamation of metals and metal compounds	2	Absolute Value	20 01 40	metals	0

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

4.21 Pollution inventory radioactive waste

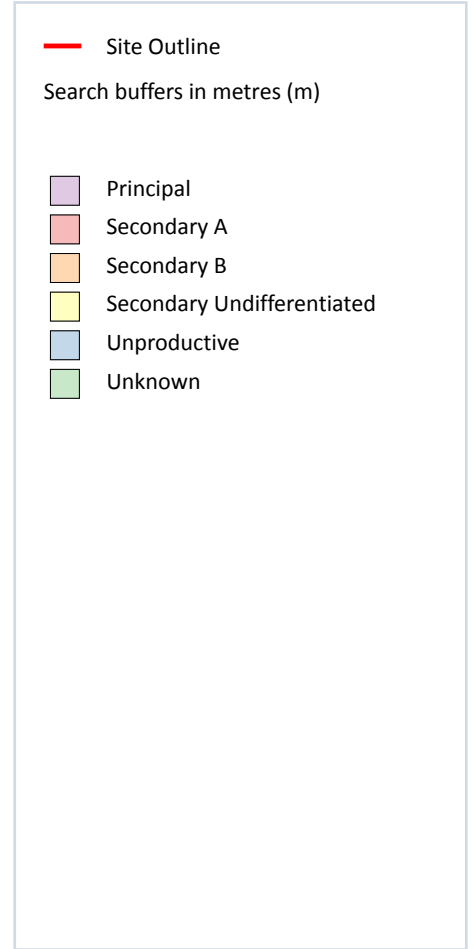
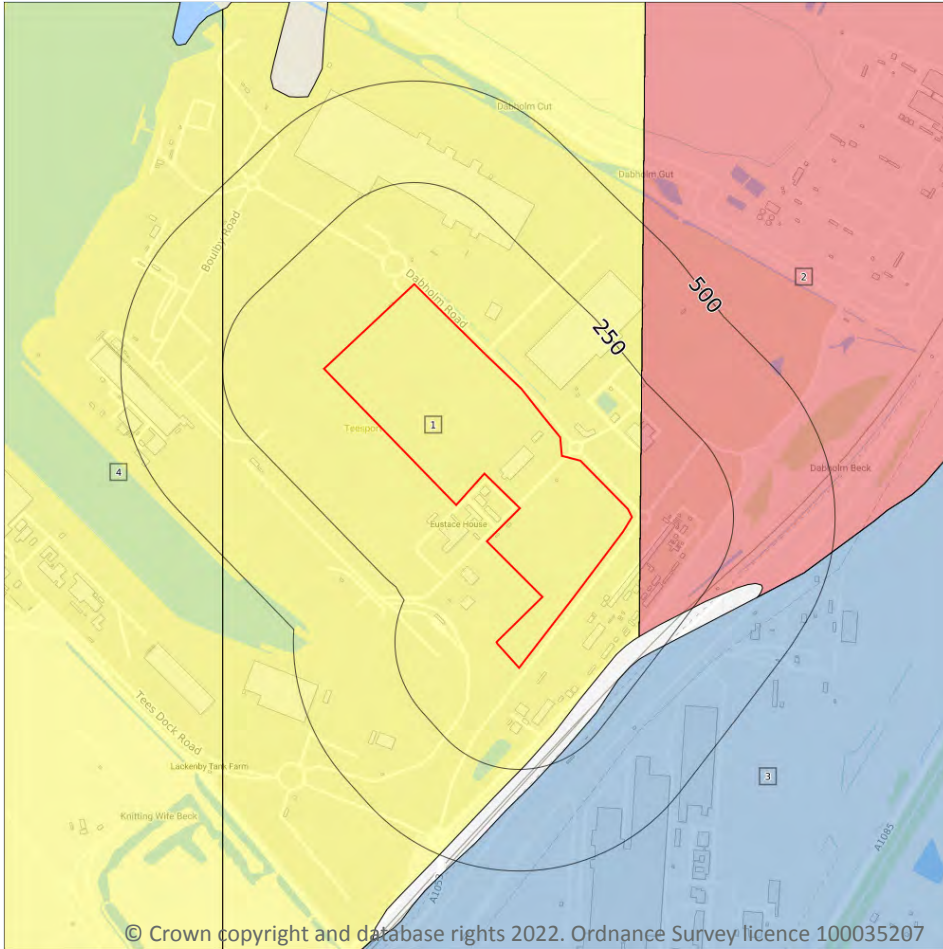
Records within 500m

0

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

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

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 59**

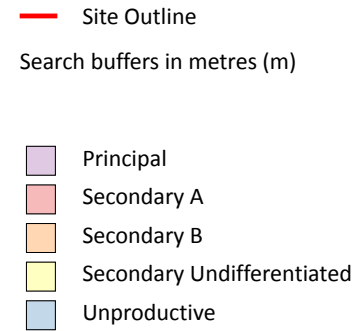
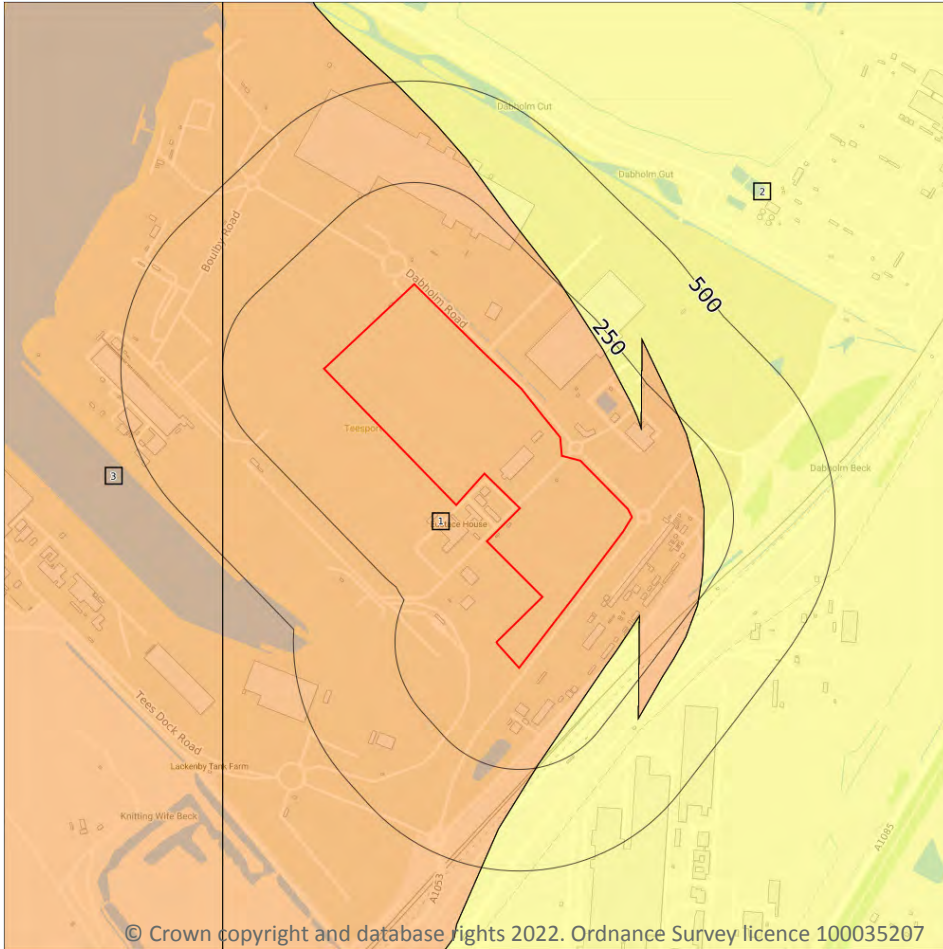
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	21m 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

ID	Location	Designation	Description
3	211m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	249m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

3

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 61**

ID	Location	Designation	Description
1	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
2	157m SE	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

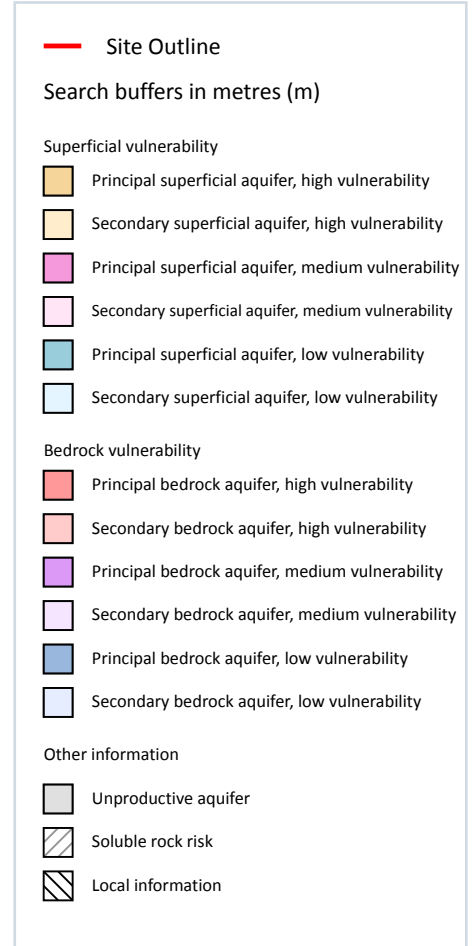
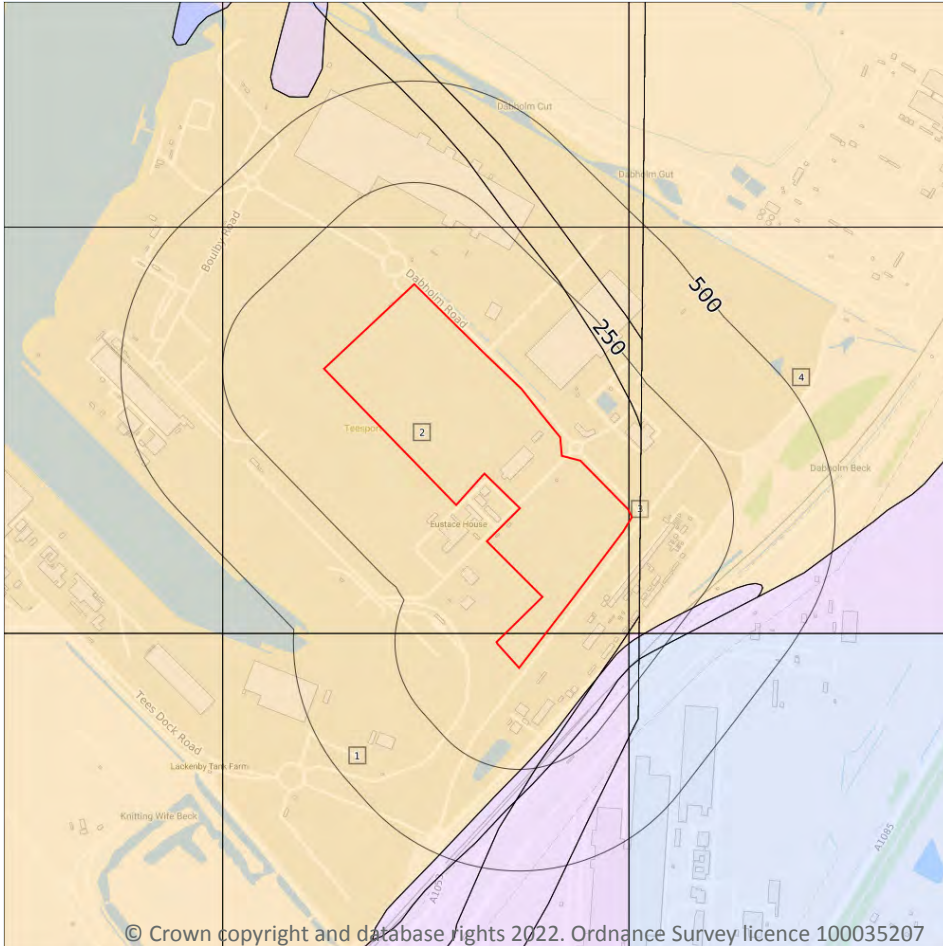


ID	Location	Designation	Description
3	249m W	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

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

4

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 63**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
4	20m E	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Medium 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

0

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

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

5.7 Surface water abstractions

Records within 2000m

2

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 66**

ID	Location	Details	
A	666m W	Status: Historical Licence No: 1/25/04/123 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER TEES Data Type: Point Name: TEES BULK HANDLING LTD Easting: 454600 Northing: 523500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/05/1973 Expiry Date: - Issue No: 100 Version Start Date: 31/07/1974 Version End Date: -
A	666m W	Status: Historical Licence No: 1/25/04/123 Details: Dust suppression Direct Source: SURFACE WATER Point: RIVER TEES Data Type: Point Name: TEES BULK HANDLING LTD Easting: 454600 Northing: 523500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/05/1973 Expiry Date: - Issue No: 100 Version Start Date: 31/07/1974 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

0

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

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



5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

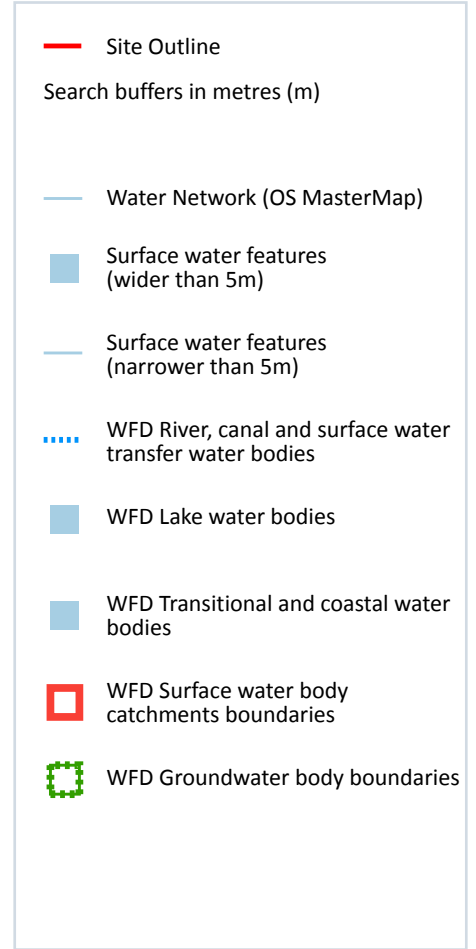
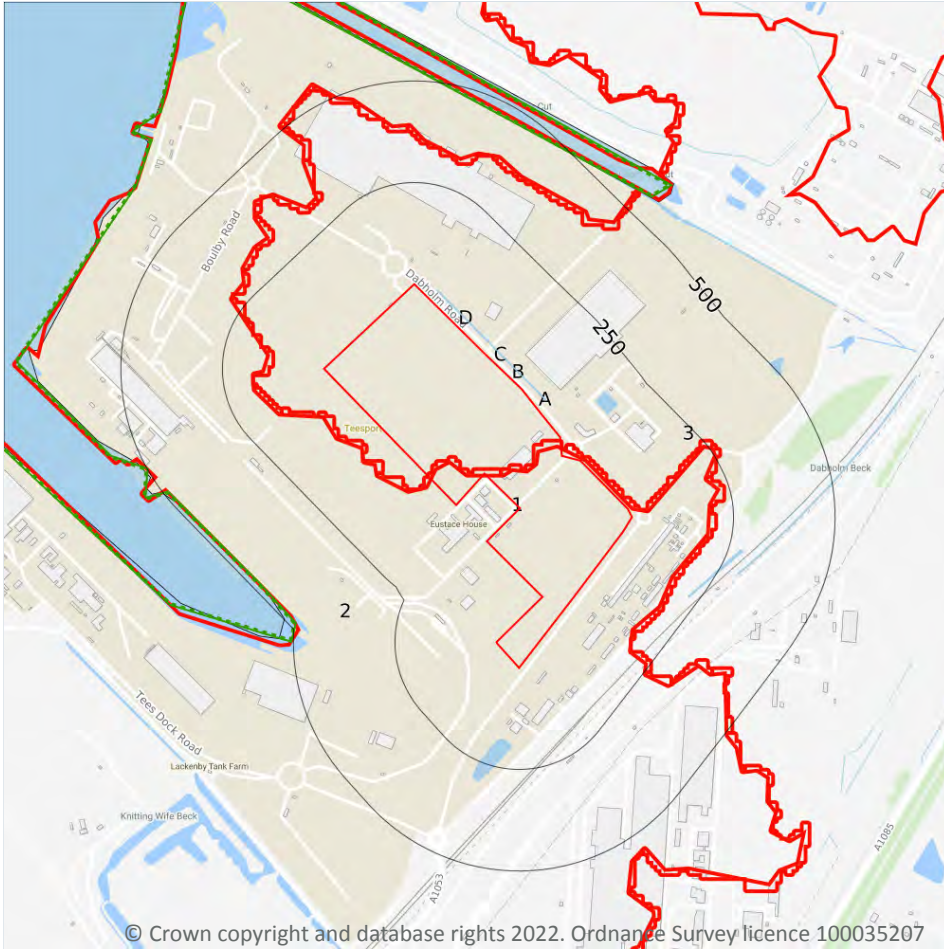
Records within 500m

0

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

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

6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

7

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 69**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	22m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	23m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	23m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	26m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	26m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	27m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	27m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

7

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 69**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

2

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 69**



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	Coastal Catchment	Not part of a river WB catchment	10	Tees Lower and Estuary	Tees
3	On site	River	Tees Estuary (S Bank)	GB103025072320	Tees Lower and Estuary	Tees

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 69**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	543m NE	River	Tees Estuary (S Bank)	GB103025072320	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

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

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

Features are displayed on the Hydrology map on **page 69**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Tees Mercia Mudstone & Redcar Mudstone	GB40302G701300	Poor	Poor	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

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

7.2 Historical Flood Events

Records within 250m

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

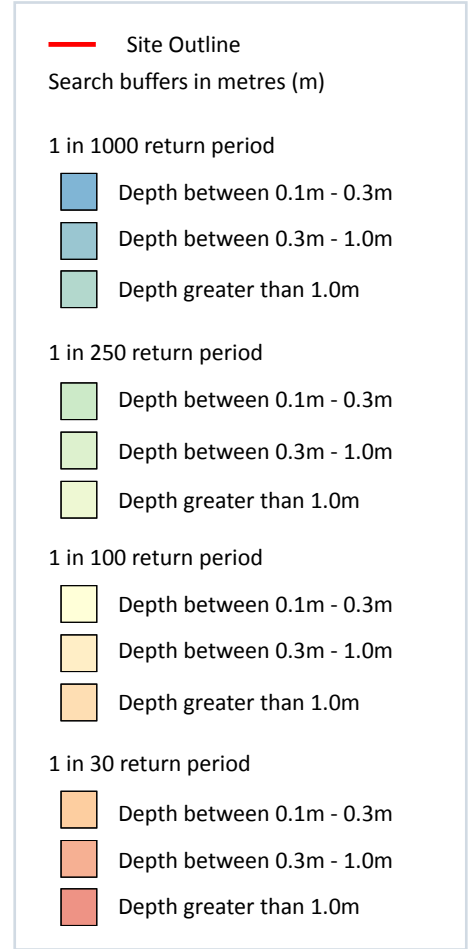
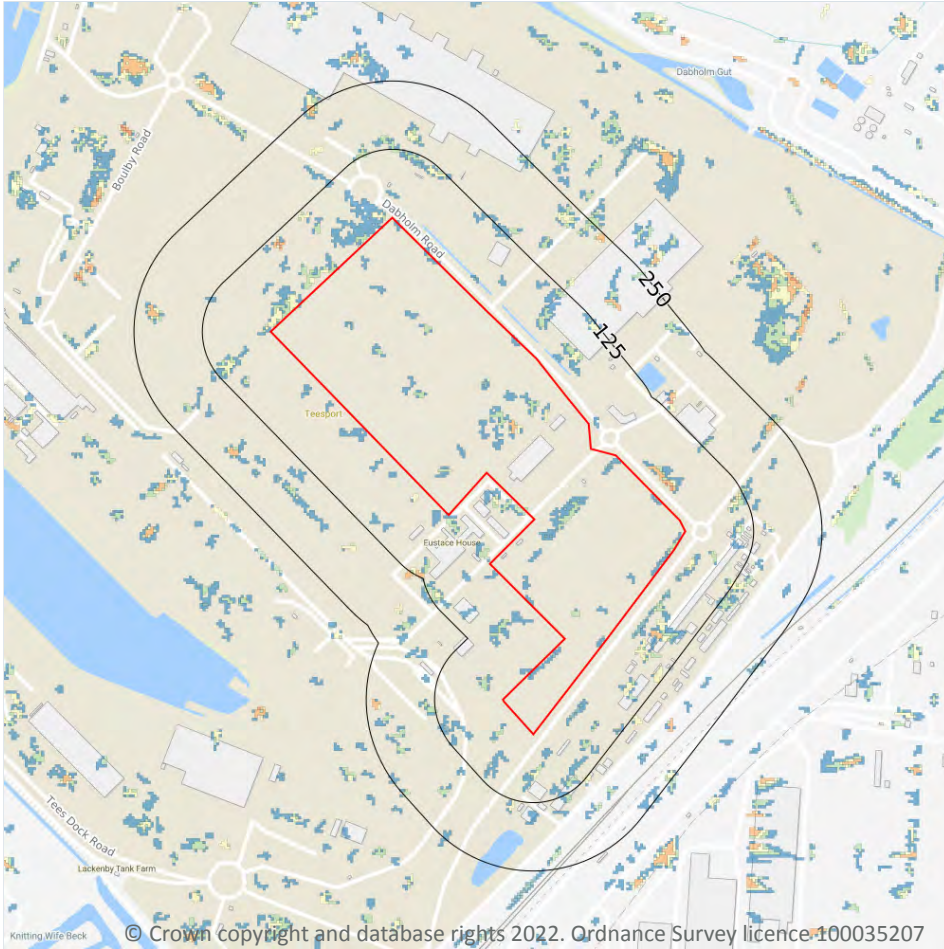
0

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

1 in 30 year, 0.1m - 0.3m

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 75**

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	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

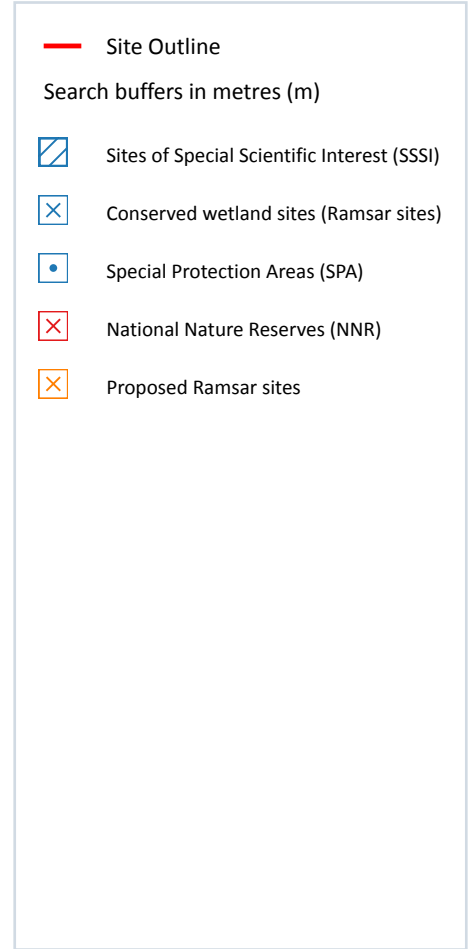
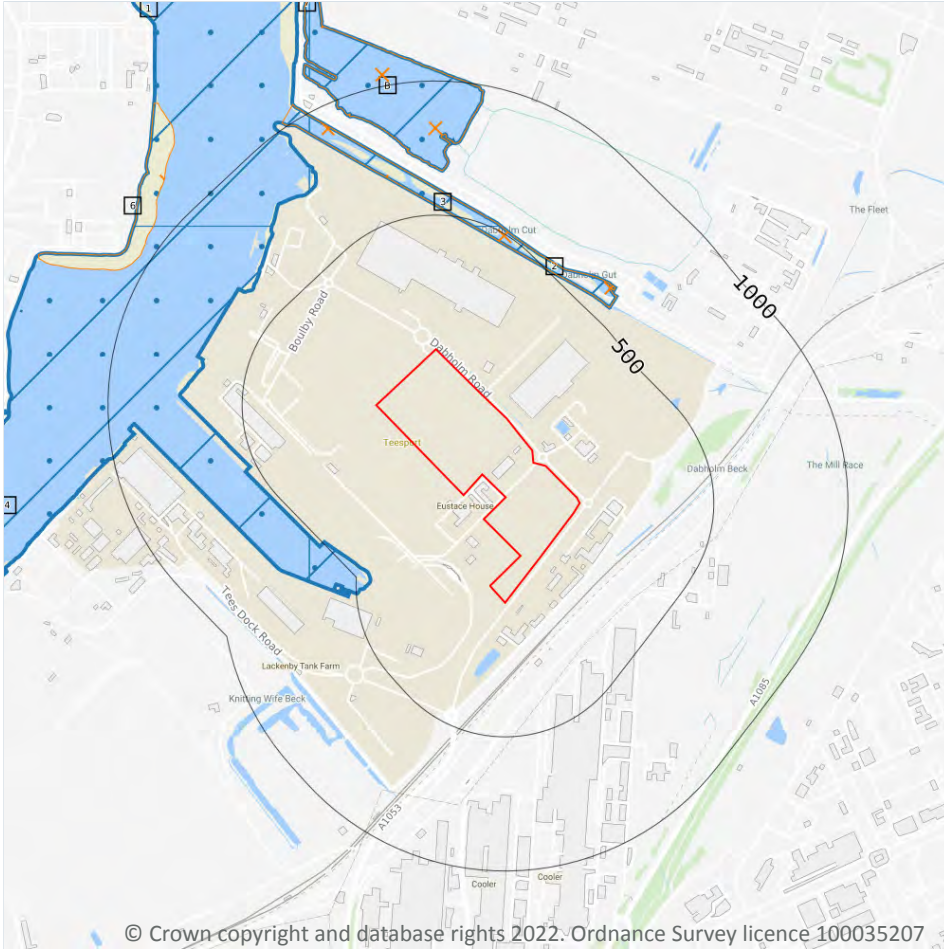
Low

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 77**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on **page 78**

ID	Location	Name	Data source
1	447m W	Teesmouth and Cleveland Coast	Natural England

ID	Location	Name	Data source
B	666m N	Teessmouth and Cleveland Coast	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

6

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

Features are displayed on the Environmental designations map on **page 78**

ID	Location	Name	Species of interest	Habitat description	Data source
2	447m W	Teemouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
A	479m N	Teemouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
4	519m SW	Teemouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
B	666m N	Teemouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England
5	753m NW	Teemouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England



ID	Location	Name	Species of interest	Habitat description	Data source
7	1112m NW	Teessmouth and Cleveland Coast	Pied avocet; Red knot; Ruff; Common redshank; Sandwich tern; Common tern; Little tern	Marine areas, Sea inlets; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes; Coastal sand dunes, Sand beaches, Machair; Bogs, Marshes, Water fringed vegetation, Fens; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Shingle, Sea cliffs, Islets	Natural England

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

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

3

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.

Features are displayed on the Environmental designations map on **page 78**



ID	Location	Name	Status
3	466m NE	Teessmouth and Cleveland Coast	Proposed
B	666m N	Teessmouth and Cleveland Coast	Proposed
6	1042m NW	Teessmouth and Cleveland Coast	Proposed

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.



10.16 Nitrate Vulnerable Zones

Records within 2000m

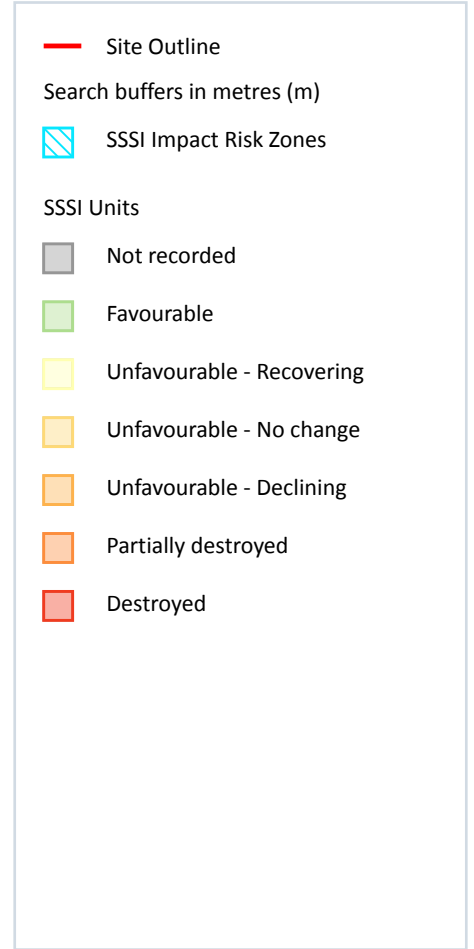
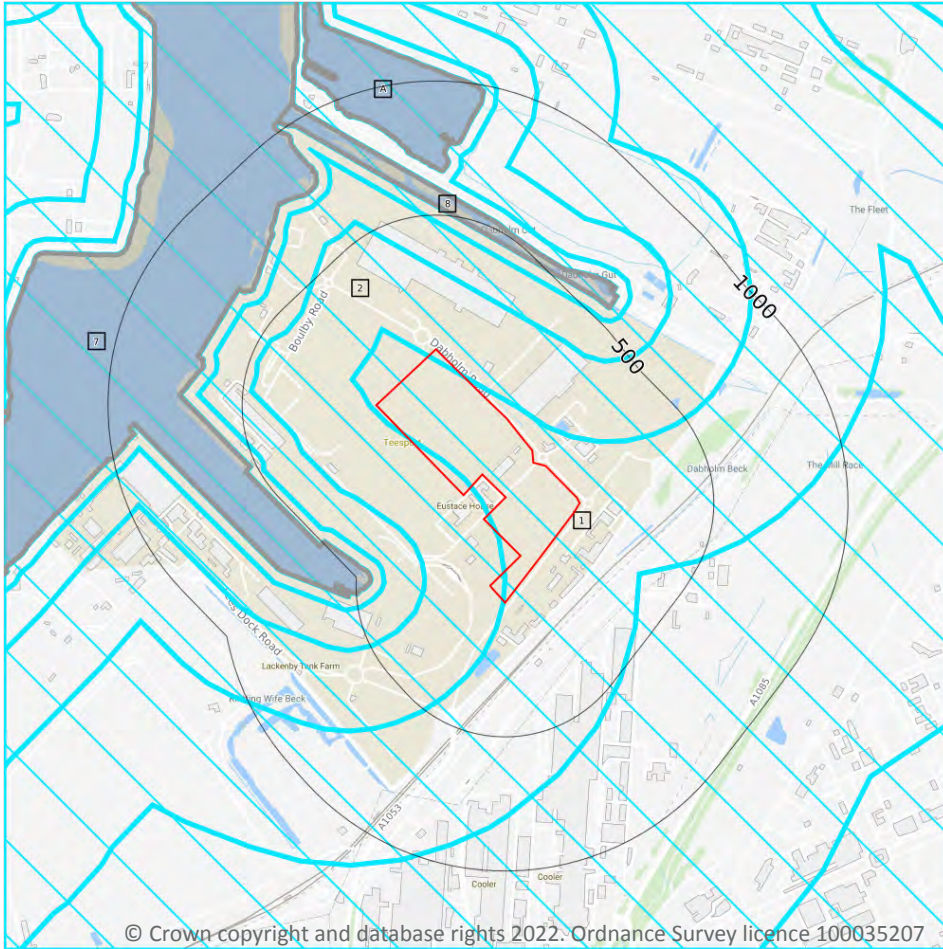
0

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

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

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 85**

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>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</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 net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential development of 10 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 & digestate stores > 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 500 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 2m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p>
2	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <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>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</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 net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p>



This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

3

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

Features are displayed on the SSSI Impact Zones and Units map on **page 85**

ID: 7
 Location: 447m W
 SSSI name: Teemouth and Cleveland Coast
 Unit name: River Tees
 Broad habitat:
 Condition: Not Recorded
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, Sterna hirundo	-	-
Aggregations of breeding birds - Little tern, Sterna albifrons	-	-
Aggregations of non-breeding birds - Redshank, Tringa totanus	-	-
Aggregations of non-breeding birds - Sandwich tern, Sterna sandvicensis	-	-
Common seal, Phoca vitulina	-	-
Little tern, Sterna albifrons - A195, b	-	-
Redshank, Tringa totanus - A162, nb	-	-
Sandwich tern, Sterna sandvicensis - A191, nb	-	-
Waterbird assemblage	-	-

ID: 8
 Location: 466m NE
 SSSI name: Teemouth and Cleveland Coast
 Unit name: Bran Sands Lagoon And Dabholme Gut
 Broad habitat:
 Condition: Not Recorded
 Reportable features:



Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, Sterna hirundo	-	-
Aggregations of non-breeding birds - Gadwall, Anas strepera	-	-
Aggregations of non-breeding birds - Redshank, Tringa totanus	-	-
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	-	-

ID: A
 Location: 666m N
 SSSI name: Teemouth and Cleveland Coast
 Unit name: Bran Sands Lagoon And Dabholme Gut
 Broad habitat:
 Condition: Not Recorded
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Favourable	01/01/1900
Aggregations of breeding birds - Common tern, Sterna hirundo	-	-
Aggregations of non-breeding birds - Gadwall, Anas strepera	-	-
Aggregations of non-breeding birds - Redshank, Tringa totanus	-	-
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	-	-

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

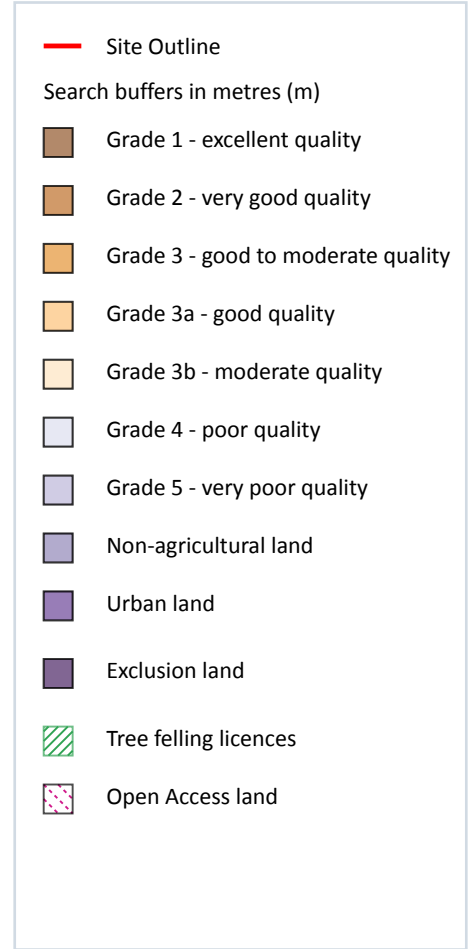
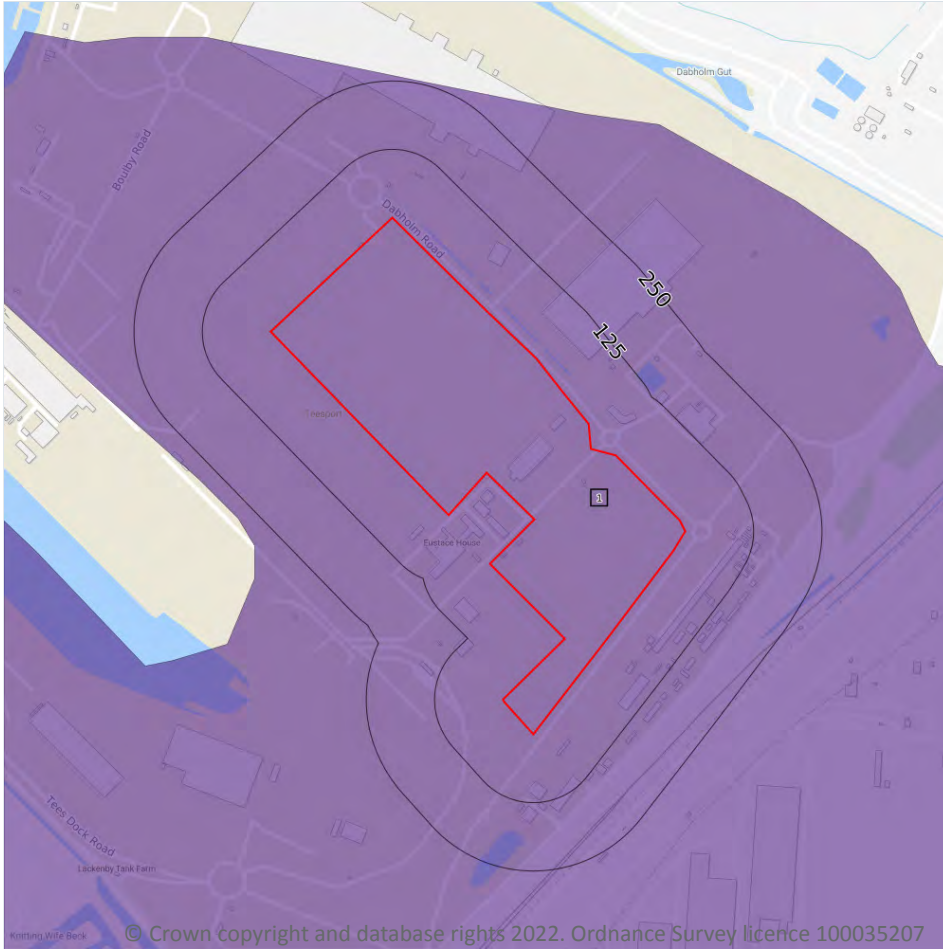
0

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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

1

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 91**

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

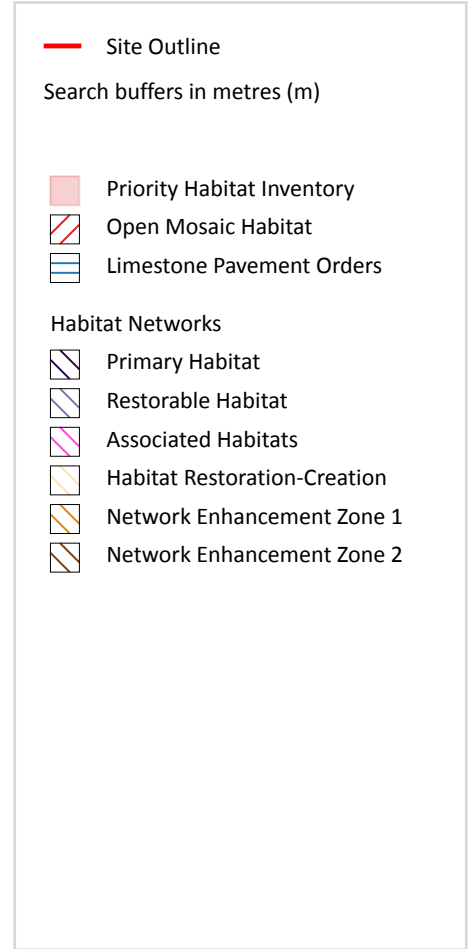
0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

0

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.



13.3 Open Mosaic Habitat

Records within 250m

1

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

Features are displayed on the Habitat designations map on **page 93**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	22m SW	NLUD Ref: 73100010	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

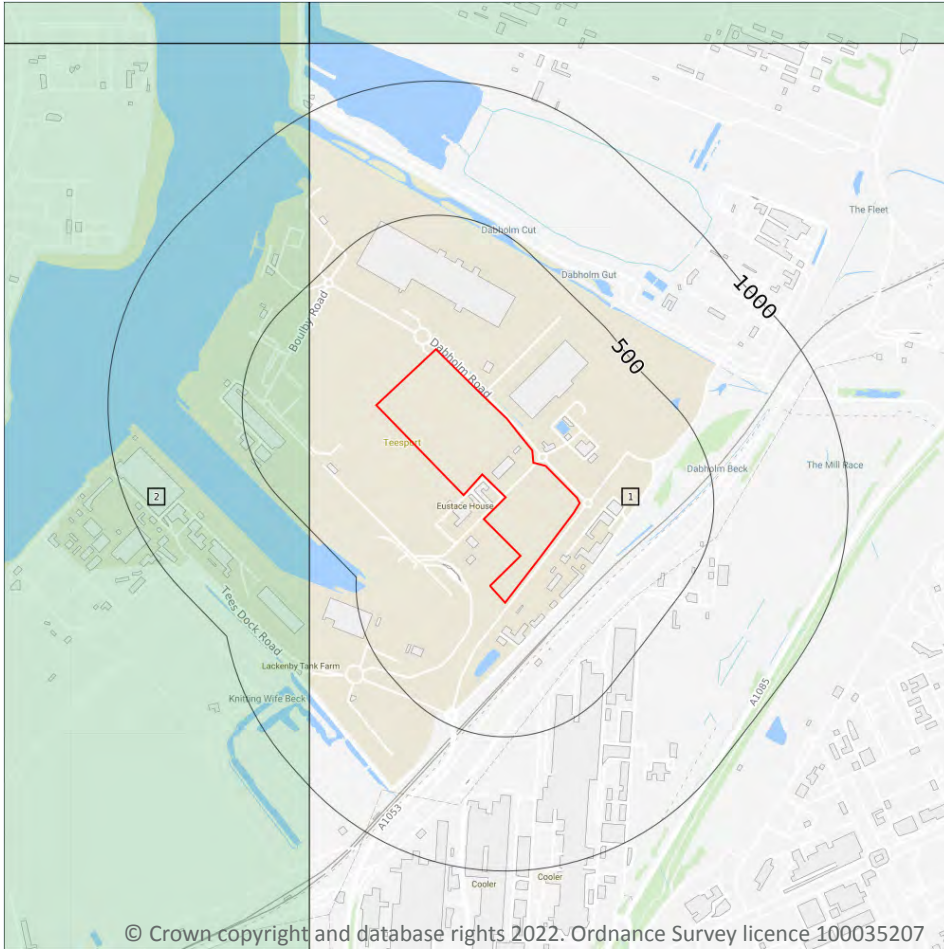
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

2

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

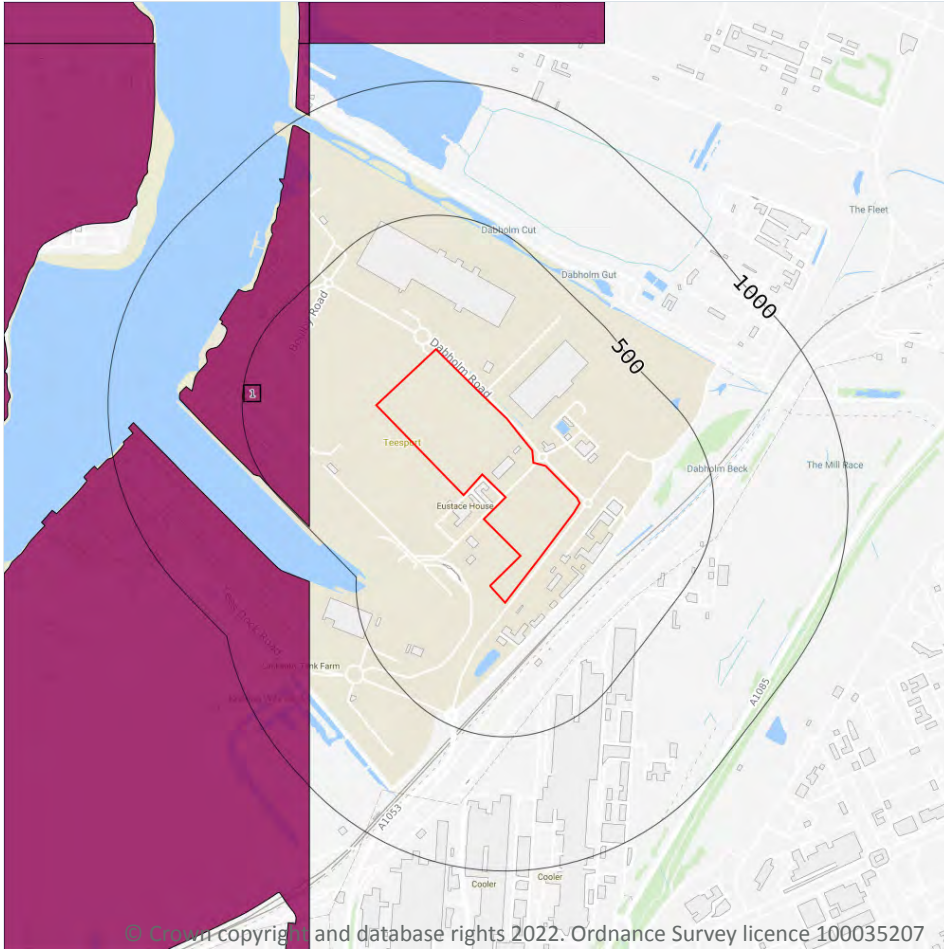
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 95**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	No coverage	No coverage	No coverage	NoCov
2	249m W	Full	Full	Full	No coverage	NZ52SW

This data is sourced from the British Geological Survey.



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



Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

1

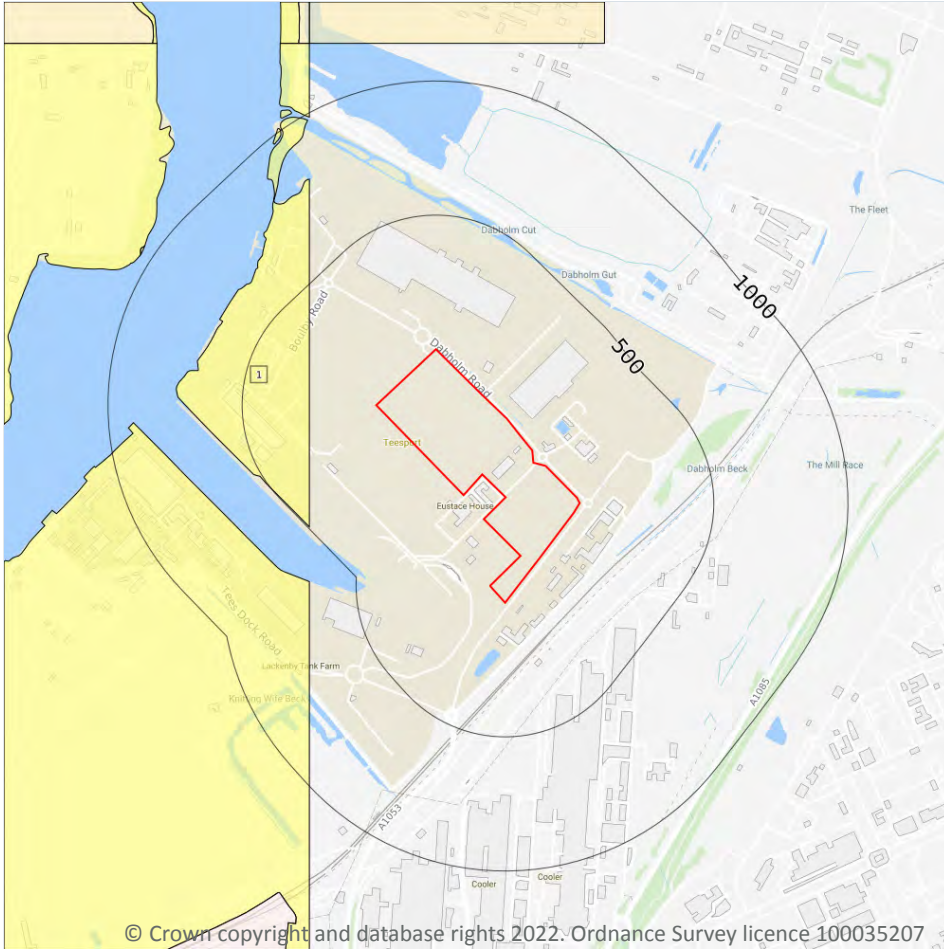
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 96**

ID	Location	LEX Code	Description	Rock description
1	249m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▣ Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 97**

ID	Location	LEX Code	Description	Rock description
1	249m W	TFD-XSZC	Tidal Flat Deposits - Sand, Silt And Clay	Sand, Silt And Clay

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

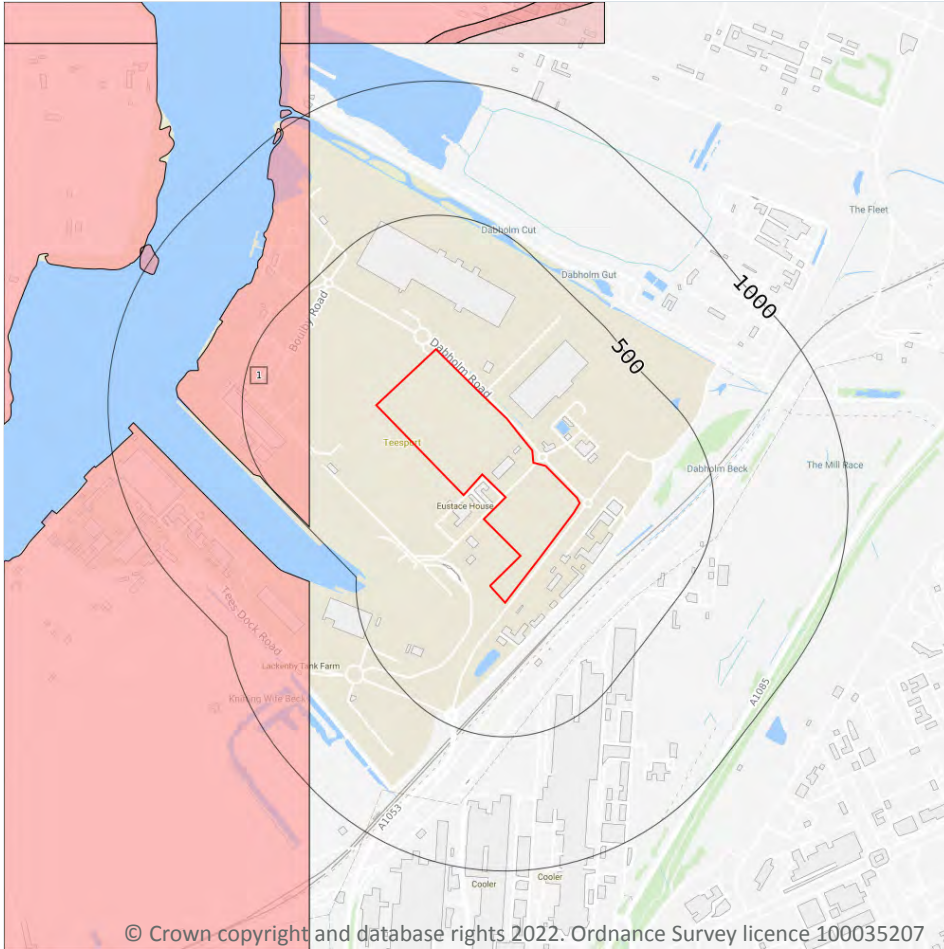
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- - - - Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 99**

ID	Location	LEX Code	Description	Rock age
1	249m W	MMG-MDSS	Mercia Mudstone Group - Mudstone, Siltstone And Sandstone	Rhaetian Age - Early Triassic Epoch

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

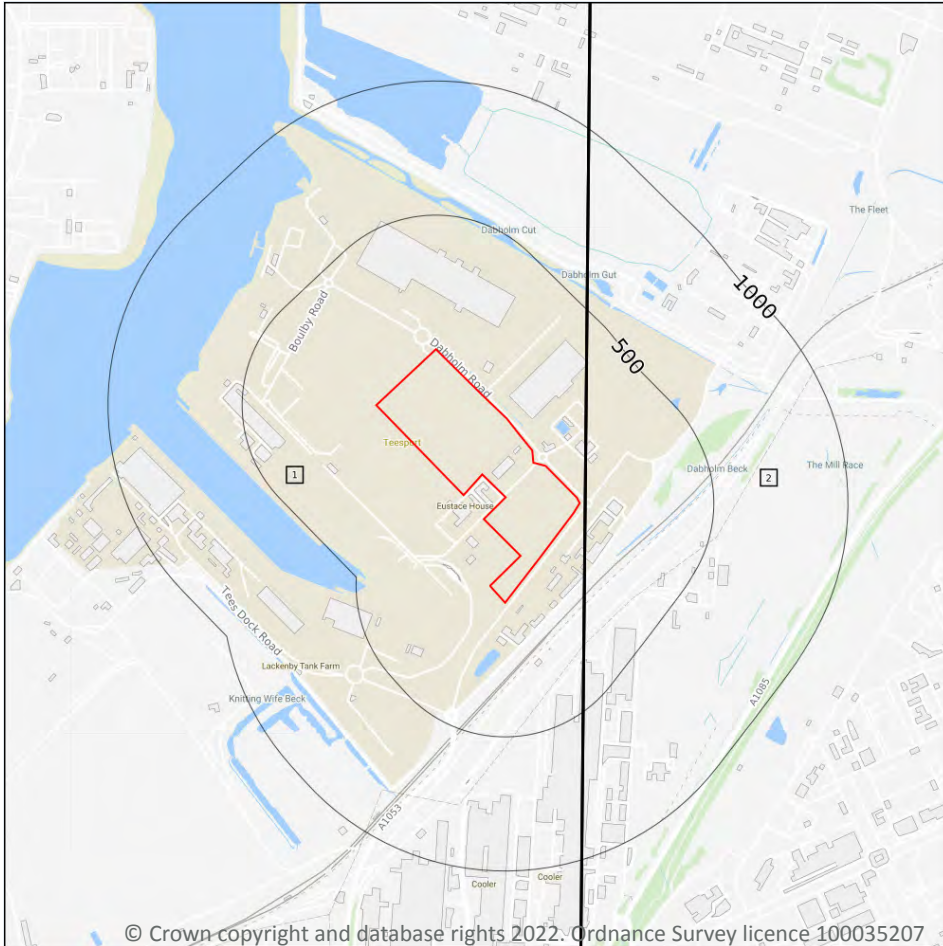
0

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

2

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

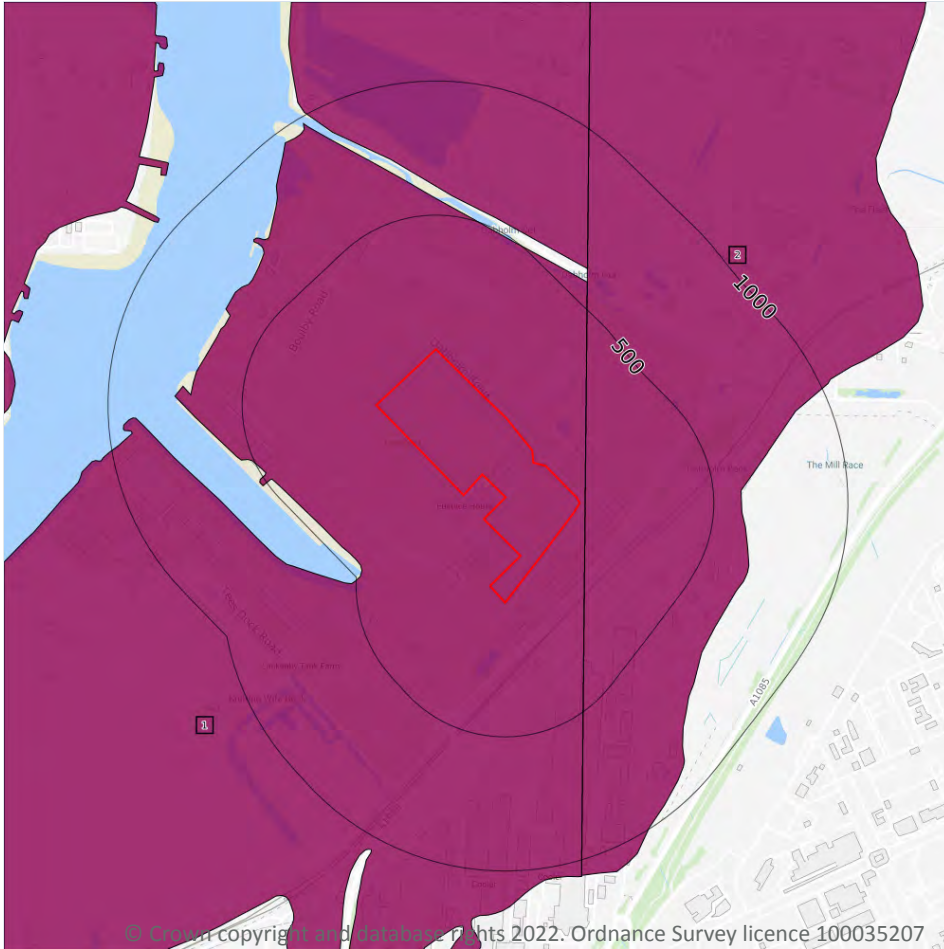
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 101**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW033_stockton_v4
2	21m E	Full	Full	Full	Full	EW034_guisborough_v4

This data is sourced from the British Geological Survey.



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



— Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m **2**

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 102**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	21m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

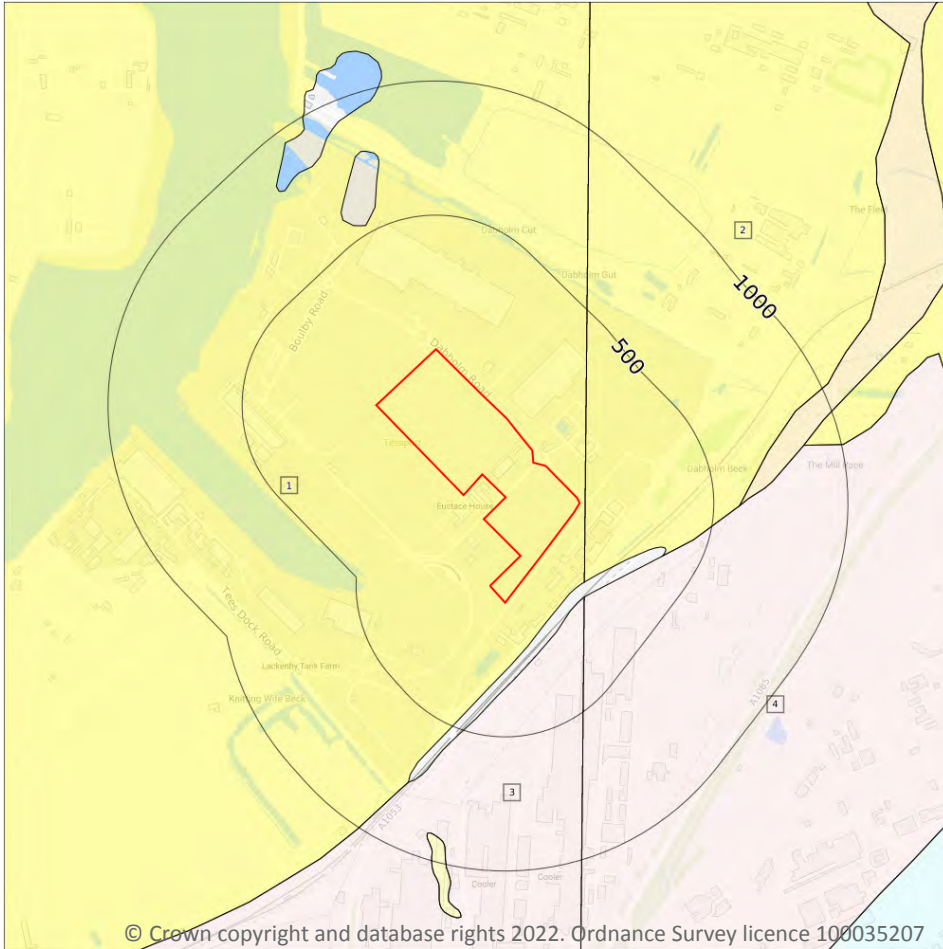
Records within 50m	1
---------------------------	----------

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).

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

4

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 104**

ID	Location	LEX Code	Description	Rock description
1	On site	TFD-XSZC	TIDAL FLAT DEPOSITS	SAND, SILT AND CLAY
2	21m E	TFD-XSZ	TIDAL FLAT DEPOSITS	SAND AND SILT
3	211m SE	GLLDD-XCZ	GLACIOLACUSTRINE DEPOSITS, DEVANSIAN	CLAY AND SILT
4	221m SE	GLLDD-XCZ	GLACIOLACUSTRINE DEPOSITS, DEVANSIAN	CLAY AND SILT



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

2

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	Low
21m NE	Intergranular	High	Moderate

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

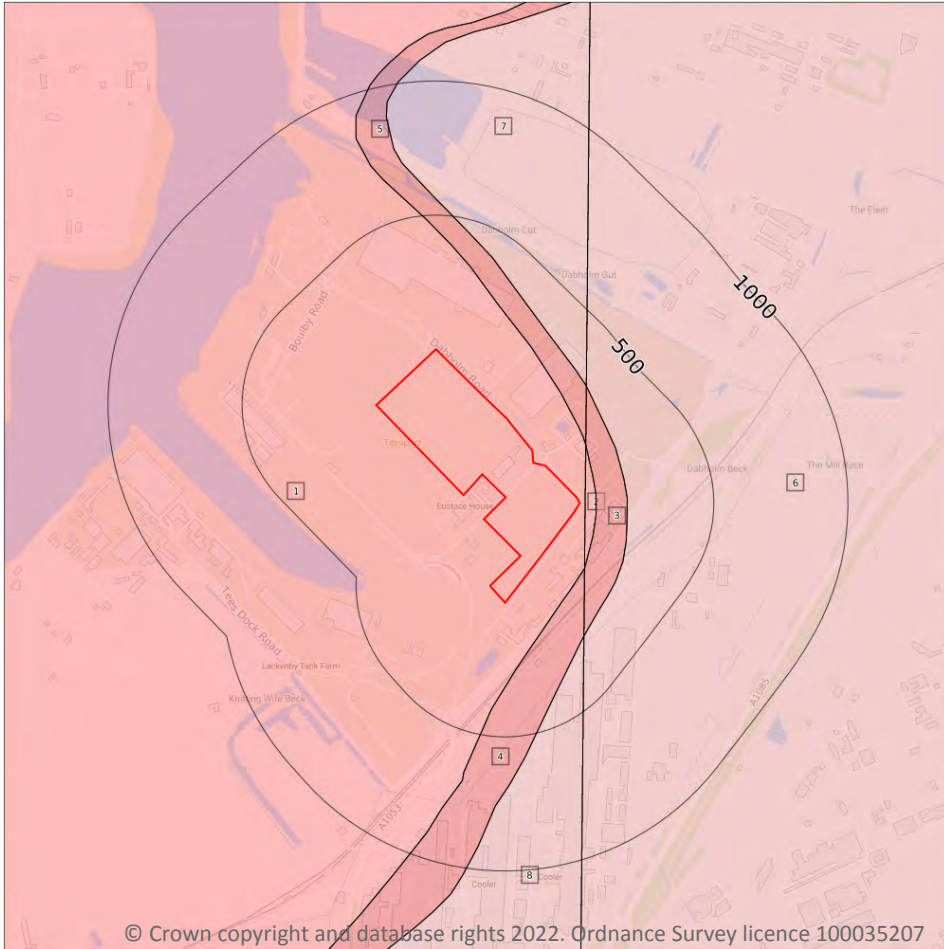
Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

8

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 106**

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	MERCIA MUDSTONE GROUP - MUDSTONE	-
2	21m E	MMG-MDST	MERCIA MUDSTONE GROUP - MUDSTONE	-
3	61m E	PNG-MDST	PENARTH GROUP - MUDSTONE	RHAETIAN

ID	Location	LEX Code	Description	Rock age
4	157m SE	PNG-MDST	PENARTH GROUP - MUDSTONE	RHAETIAN
5	163m NE	PNG-MDST	PENARTH GROUP - MUDSTONE	RHAETIAN
6	177m E	RMU-MDST	REDCAR MUDSTONE FORMATION - MUDSTONE	HETTANGIAN
7	308m NE	RMU-MDST	REDCAR MUDSTONE FORMATION - MUDSTONE	HETTANGIAN
8	309m SE	RMU-MDST	REDCAR MUDSTONE FORMATION - MUDSTONE	HETTANGIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

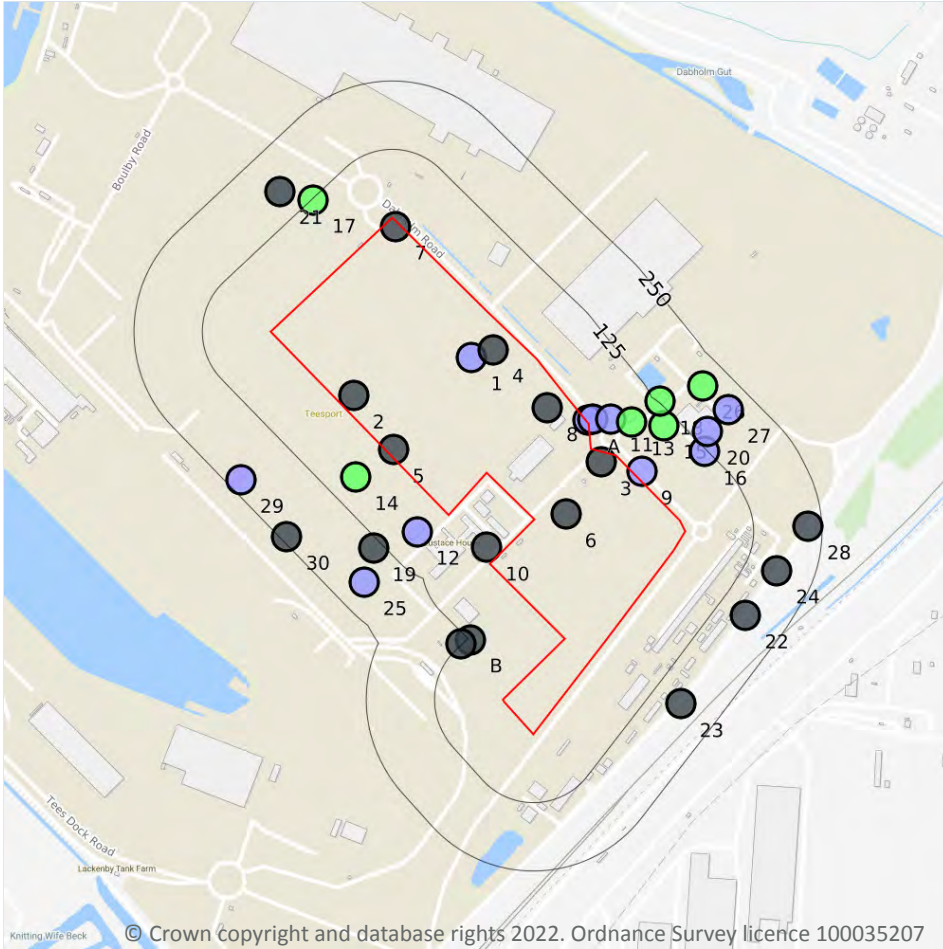
0

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

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

34

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 108**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	455617 523604	SHELL REFINERY BHS	-2.0	N	796745
2	On site	455401 523534	TEESPORT REFINERY 6	-	Y	N/A
3	On site	455853 523413	TEESPORT REFINERY 15	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
4	On site	455656 523618	TEESPORT REFINERY 9	-	Y	N/A
5	On site	455474 523436	TEESPORT REFINERY 8	-	Y	N/A
6	On site	455789 523318	TEESPORT REFINERY 14	-	Y	N/A
7	On site	455478 523843	TEESPORT REFINERY 5	-	Y	N/A
8	On site	455755 523512	TEESPORT REFINERY 11	-	Y	N/A
A	3m NE	455830 523489	TEESPORT DEVELOPMENT 1	6.5	N	17705759
A	12m NE	455839 523492	TEESPORT DEVELOPMENT 10	4.0	N	17705769
9	13m NE	455928 523396	TEESPORT DEVELOPMENT 2	4.5	N	17705760
10	26m NW	455644 523257	TEESPORT REFINERY 13	-	Y	N/A
11	41m E	455871 523492	TEESPORT DEVELOPMENT 9	10.0	N	17705766
12	63m SW	455517 523285	SHELL REFINERY BHS	6.7	N	796742
13	68m NE	455910 523486	TEESPORT DEVELOPMENT 8	12.0	N	17705767
14	74m SW	455405 523385	SHELL REFINERY BHS	16.23	N	796744
15	102m NE	455969 523480	TEESPORT DEVELOPMENT 6	11.5	N	17705764
B	119m NW	455615 523088	TEESPORT 2	-	Y	N/A
16	120m NE	456042 523432	TEESPORT DEVELOPMENT 3	4.5	N	17705761
17	122m NW	455327 523892	SHELL REFINERY BHS	16.31	N	796747
B	126m NW	455598 523081	TEESPORT 1	-	Y	N/A
18	128m NE	455962 523524	TEESPORT DEVELOPMENT 7	11.5	N	17705765
19	141m SW	455437 523256	TEESPORT REFINERY 10	-	Y	N/A
20	150m NE	456048 523469	TEESPORT DEVELOPMENT 5	9.0	N	17705763
21	176m NW	455266 523908	TEESPORT REFINERY 4	-	Y	N/A
22	177m SE	456118 523132	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP221	-	Y	N/A
23	179m SE	455999 522971	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP223	-	Y	N/A
24	183m SE	456175 523214	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP220	-	Y	N/A
25	196m SW	455420 523194	SHELL REFINERY BHS	-2.0	N	796743
26	203m NE	456039 523553	TEESPORT DEVELOPMENT 13	10.5	N	17705771

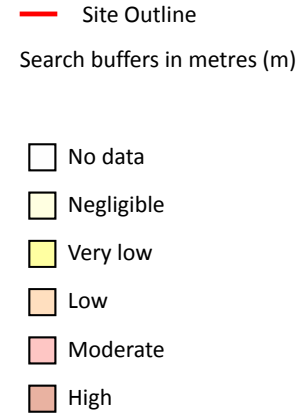
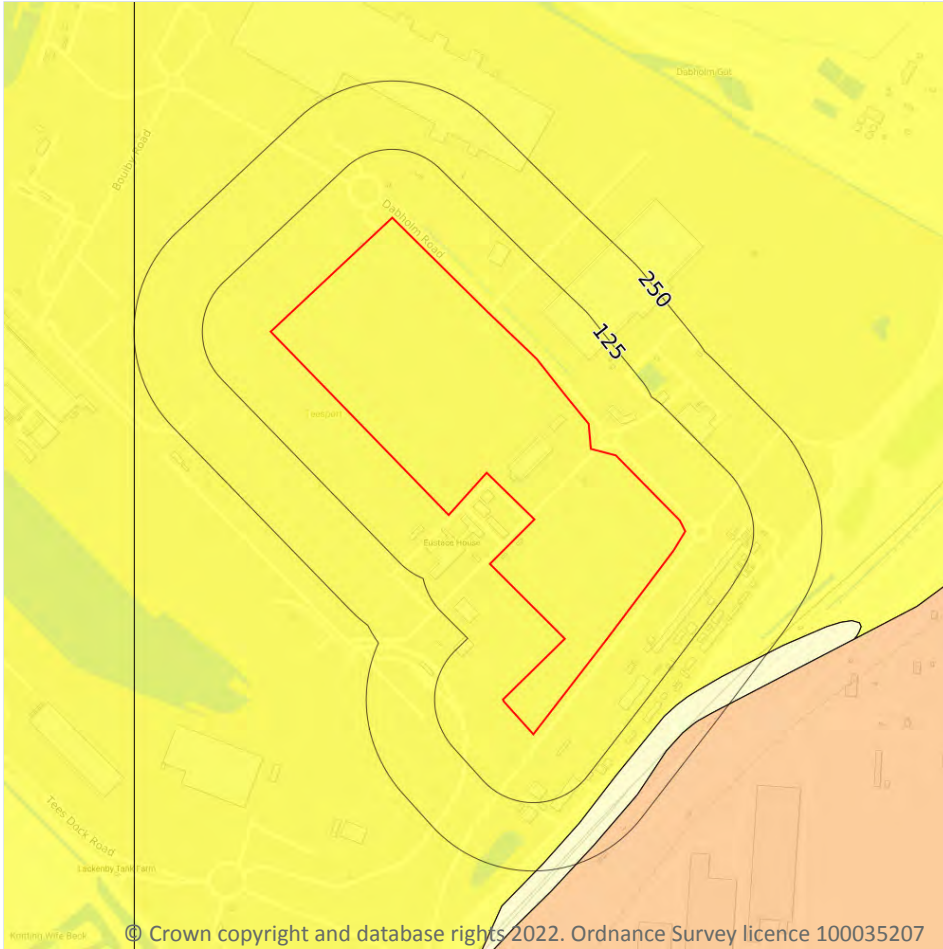


ID	Location	Grid reference	Name	Length	Confidential	Web link
27	205m NE	456086 523508	TEESPORT DEVELOPMENT 11	9.0	N	17705768
28	225m E	456232 523296	PROJECT GASPORT, TEESSIDE GROUND INVESTIGATION TP219	-	Y	N/A
29	227m SW	455195 523381	SHELL REFINERY BHS	-2.0	N	796746
30	240m SW	455279 523277	TEESPORT REFINERY 7	-	Y	N/A

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

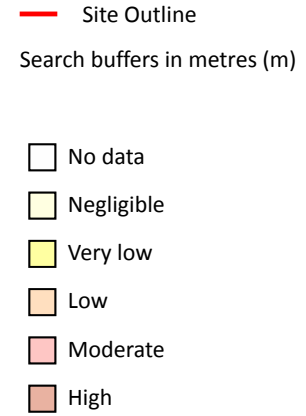
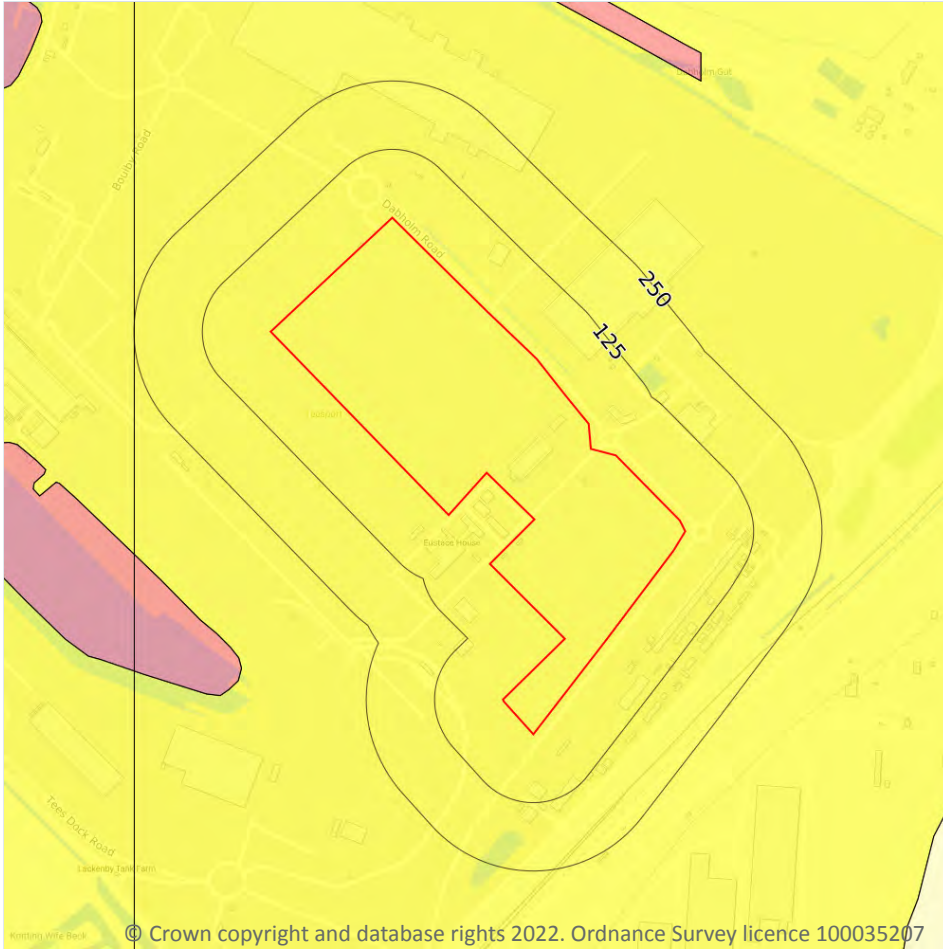
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 111**

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

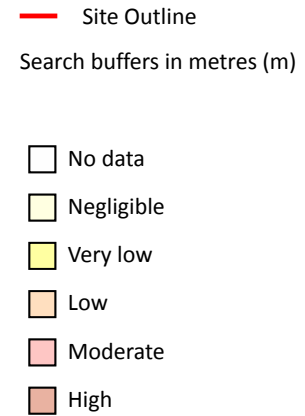
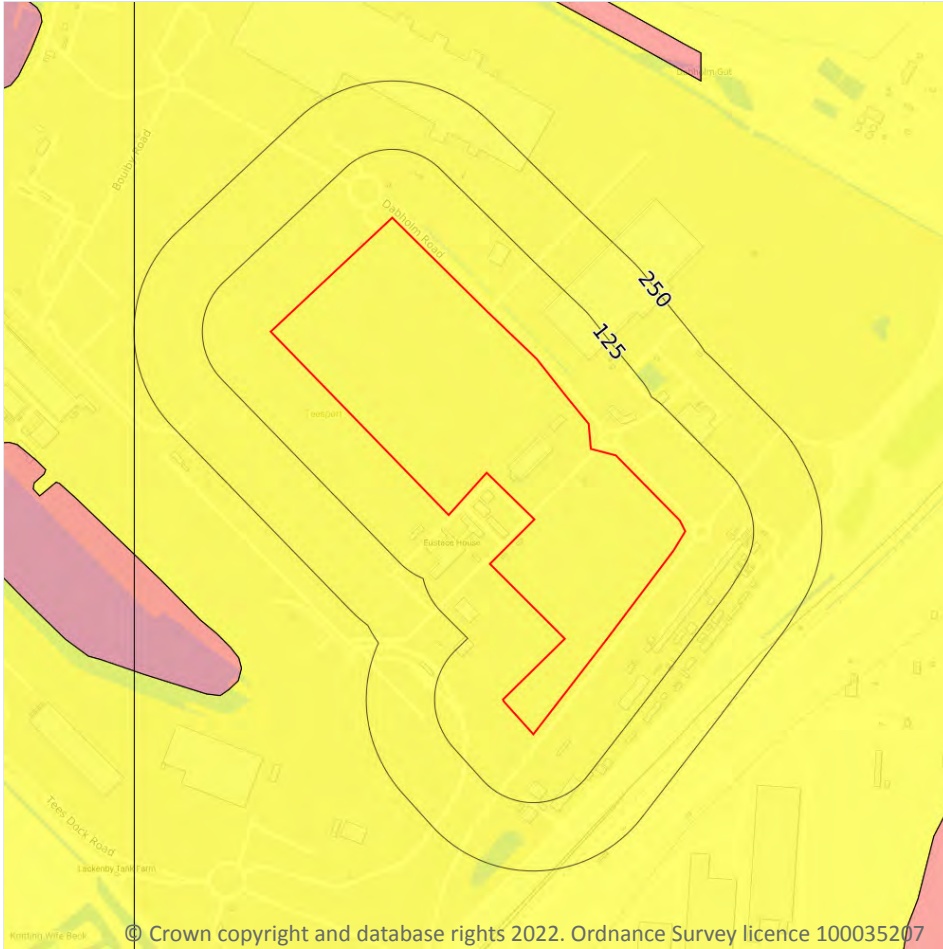
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 112**

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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.

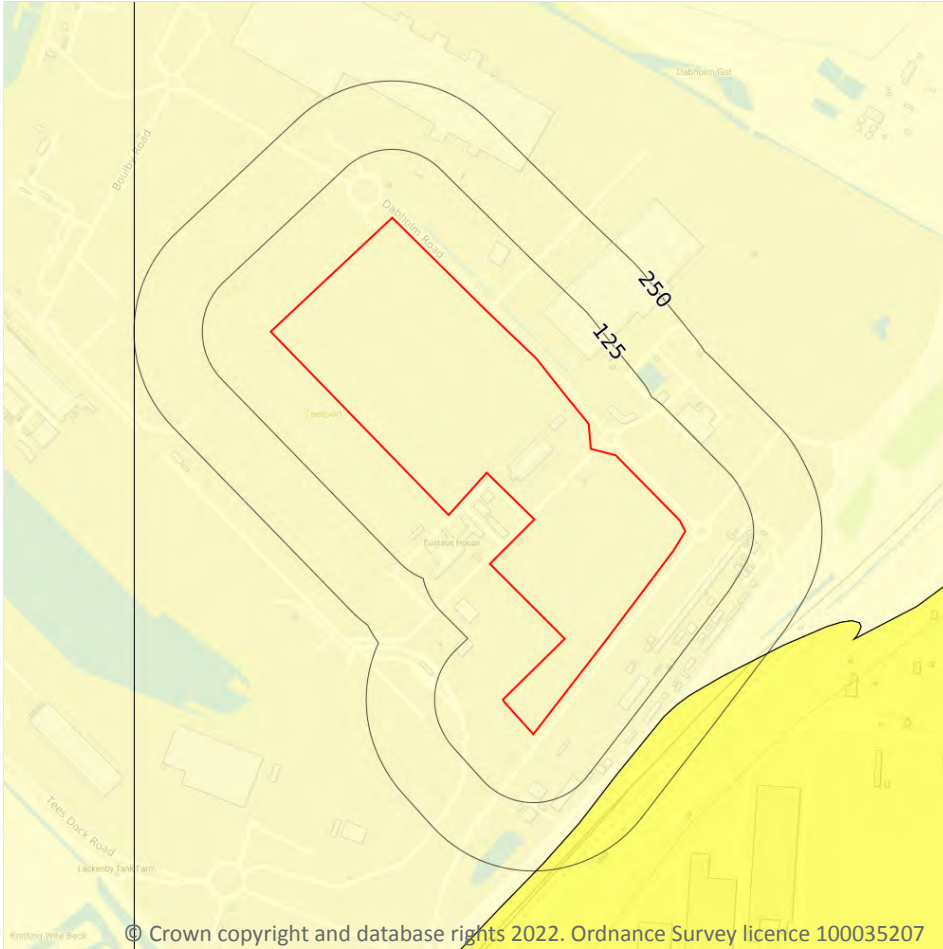
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 113**

Location	Hazard rating	Details
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

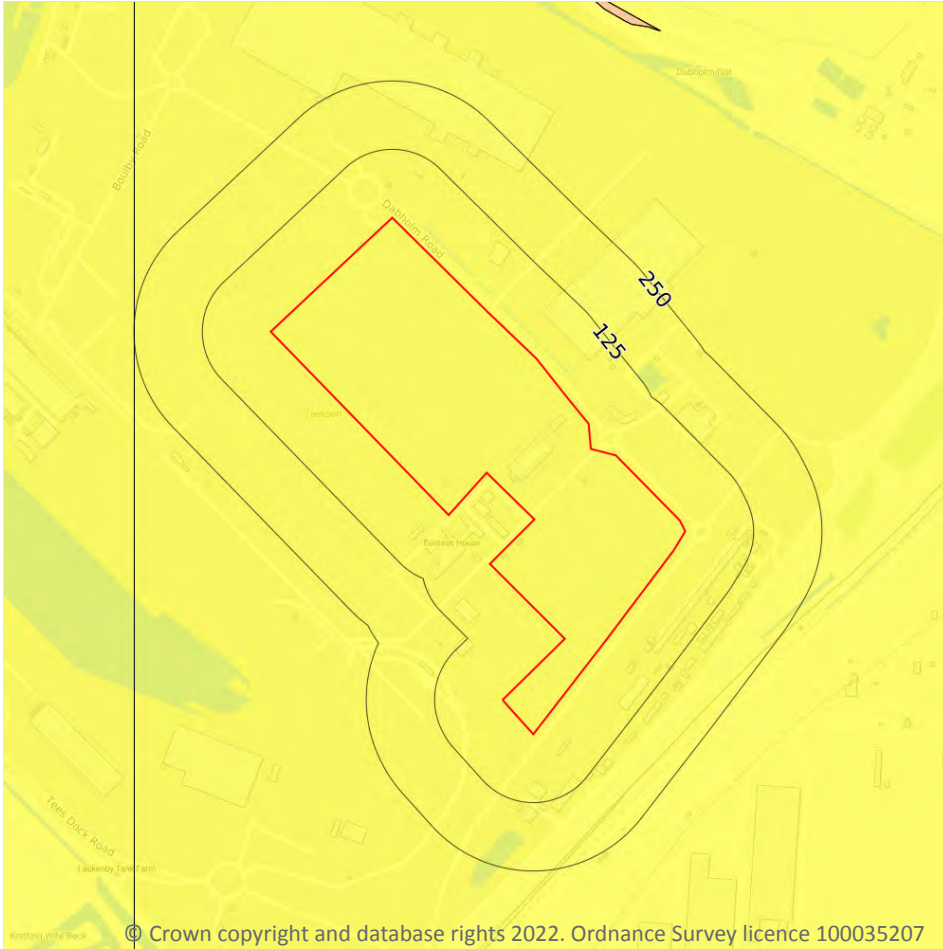
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 114**

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



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.

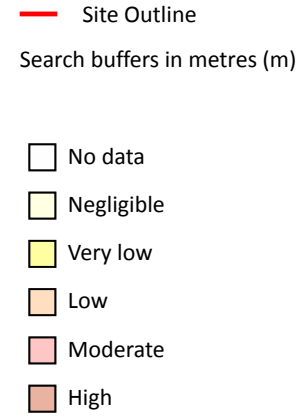
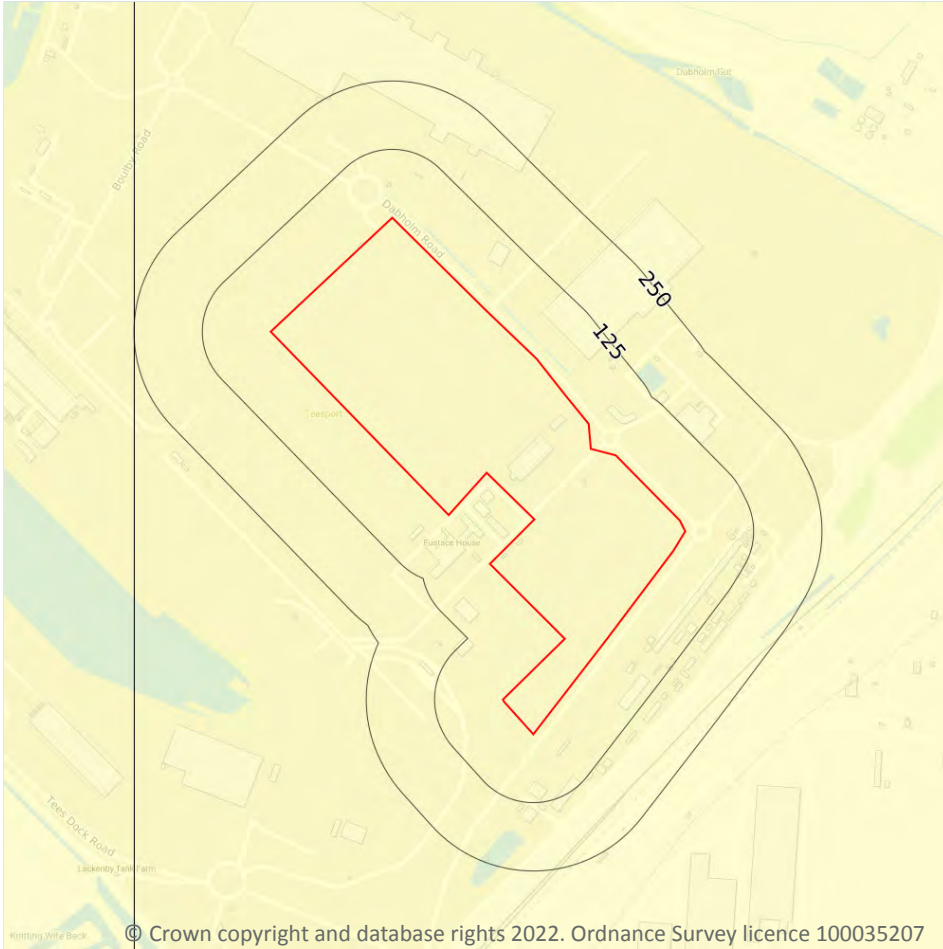
Features are displayed on the Natural ground subsidence - Landslides map on **page 115**

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

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.

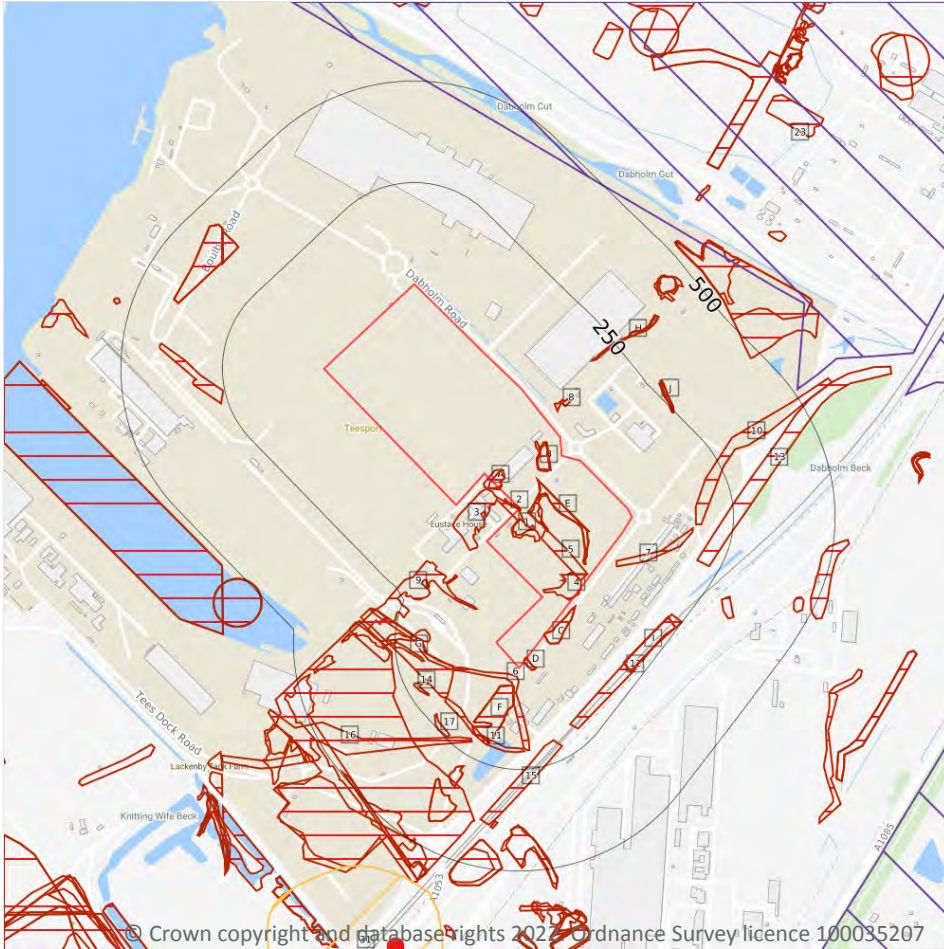
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 116**

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 Stantec UK Ltd.

18.2 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

40

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 118**

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Pond	1893	1:10560
2	On site	Pond	1893	1:10560
3	On site	Ponds	1927	1:10560
4	On site	Pond	1927	1:10560
5	On site	Unspecified Heap	1952	1:10560
A	On site	Pond	1952	1:10560
A	On site	Pond	1927	1:10560
B	On site	Pond	1952	1:10560
B	On site	Pond	1893	1:10560
B	On site	Pond	1913	1:10560
B	On site	Pond	1927	1:10560
C	On site	Pond	1983	1:10000
C	On site	Pond	1974	1:10000
D	On site	Pond	1983	1:10000
D	On site	Pond	1974	1:10000
E	On site	Pond	1893	1:10560
E	On site	Pond	1927	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
6	22m S	Unspecified Ground Workings	1952	1:10560
7	31m SE	Unspecified Heap	1952	1:10560
8	36m NE	Pond	1893	1:10560
F	47m S	Pond	1991	1:10000
F	47m S	Pond	1983	1:10000
F	47m S	Pond	1974	1:10000
9	93m NW	Ponds	1893	1:10560
G	122m SW	Pond	1927	1:10560
10	157m E	Refuse Heap	1952	1:10560
G	164m W	Pond	1913	1:10560
11	173m SW	Refuse Heap	1952	1:10560
H	179m NE	Ponds	1893	1:10560
12	186m SE	Cuttings	1893	1:10560
13	192m SE	Cuttings	1952	1:10560
14	195m SW	Pond	1893	1:10560
I	196m SE	Cuttings	1913	1:10560
I	196m SE	Cuttings	1927	1:10560
15	197m SE	Cuttings	1952	1:10560
16	210m SW	Refuse Heap	1952	1:10560
17	227m SW	Unspecified Ground Workings	1952	1:10560
J	245m NE	Pond	1893	1:10560
J	245m NE	Pond	1927	1:10560
J	247m NE	Pond	1952	1:10560

This data is sourced from Ordnance Survey/Groundsure.



18.4 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

1

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 118**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
23	446m NE	Wilton Works	Not available	Surface mineral working	Valid	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

1

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 118**

ID	Location	Name	Commodity	Class	Likelihood
31	587m SW	Abandoned Brine Wells	Salt - brine	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m

1

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 118**

ID	Location	Mine Address	Mineral	Data source	Publisher
-	890m SW	Brine Well, Cleveland	Brine, Rock Salt, Salt, Halite	REPORT ON ABANDONED MINERAL WORKINGS AND POSSIBLE SURFACE INSTABILITY PROBLEMS	COUNTY OF CLEVELAND

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 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

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.13 Clay mining

Records on site

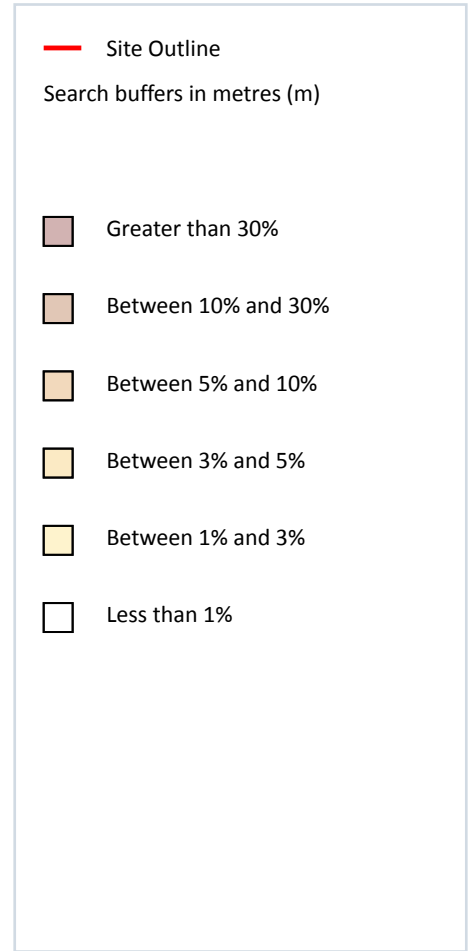
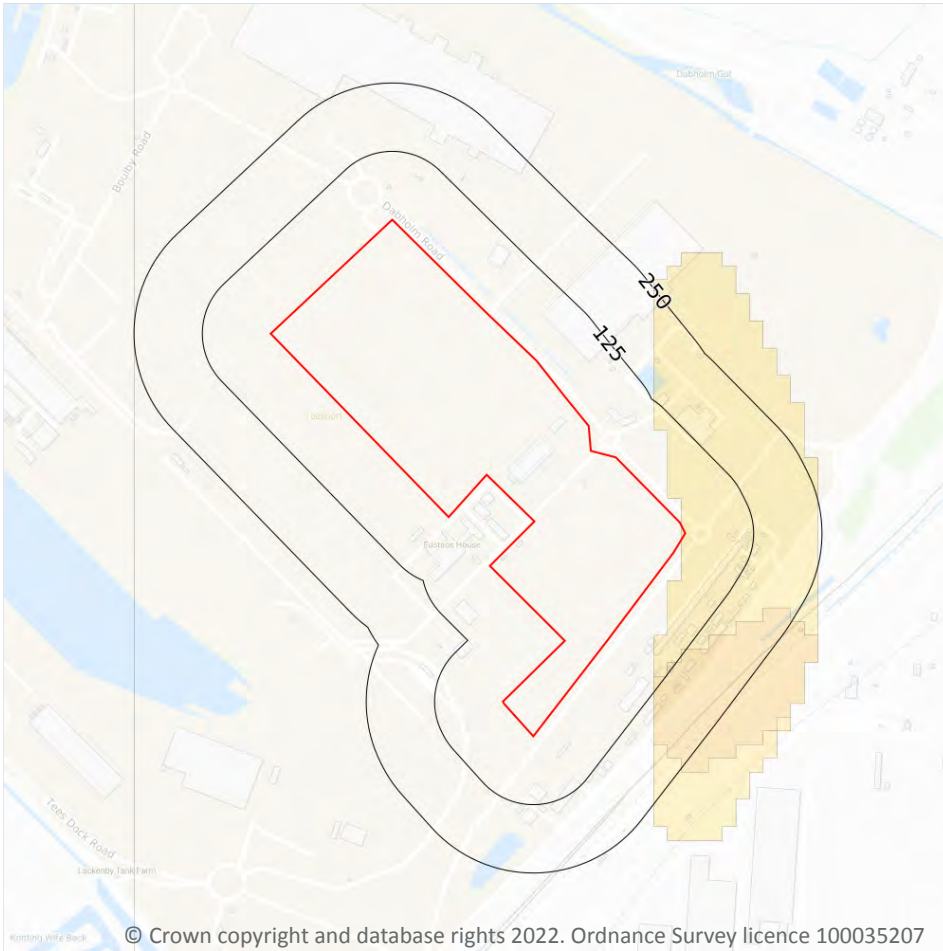
0

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



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 124**

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



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

8

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	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
21m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

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

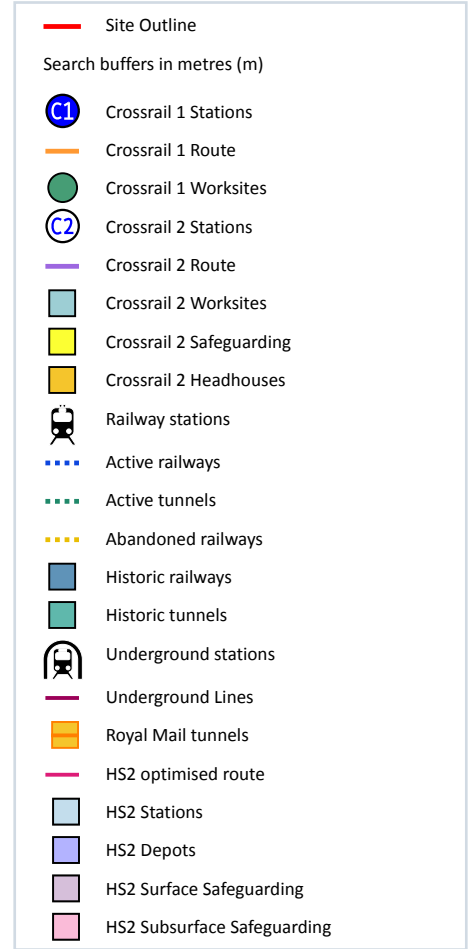
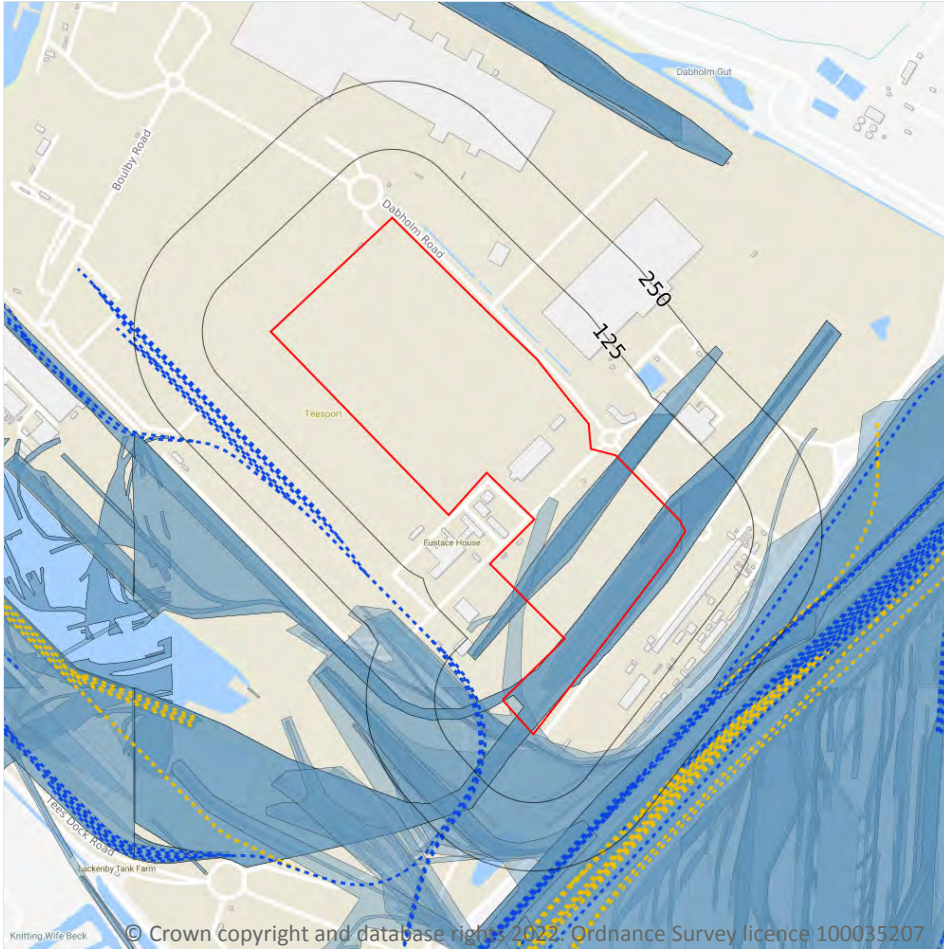
0

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

54

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

Features are displayed on the Railway infrastructure and projects map on **page 128**

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1964	1250
On site	Railway Sidings	1959	1250
On site	Railway Sidings	1971	1250
On site	Railway Sidings	1963	1250
On site	Railway Sidings	1974	1250
On site	Railway Sidings	1994	1250
On site	Railway Sidings	1963	2500
On site	Railway Sidings	1964	2500
On site	Railway Sidings	1983	1250
On site	Railway Sidings	1990	1250
On site	Railway Sidings	1974	-
On site	Railway Sidings	1927	10560
On site	Railway Sidings	1991	10000
On site	Railway Sidings	1952	10560
On site	Railway Sidings	1983	10000
On site	Railway Sidings	1974	10000
4m SE	Railway Sidings	1994	1250



Location	Land Use	Year of mapping	Mapping scale
7m SE	Railway Sidings	1927	2500
15m SW	Railway Sidings	1952	1250
16m SW	Railway Sidings	1952	2500
80m W	Railway Sidings	1952	2500
153m E	Railway Sidings	1952	1250
160m W	Railway Sidings	1952	2500
163m SE	Railway Sidings	1991	10000
163m SE	Railway Sidings	1983	10000
163m SE	Railway Sidings	1974	10000
181m SE	Railway Sidings	1913	10560
185m SE	Railway Sidings	1959	1250
185m SE	Railway Sidings	1915	2500
197m SW	Railway Sidings	1952	1250
208m SE	Railway Sidings	1974	1250
208m SE	Railway Sidings	1960	1250
208m SE	Railway Sidings	1952	1250
208m SE	Railway Sidings	1981	1250
218m SE	Railway Sidings	1893	10560
221m SW	Railway Sidings	1952	1250
221m SE	Railway Sidings	1927	10560
223m SE	Railway Sidings	1893	2500
224m SW	Railway Sidings	1927	2500
227m SE	Railway Sidings	1913	10560
229m SE	Railway Sidings	1959	1250
229m SE	Railway Sidings	1952	2500
229m S	Railway Sidings	1952	2500
229m SE	Railway Sidings	1952	1250
229m S	Railway Sidings	1952	1250



Location	Land Use	Year of mapping	Mapping scale
241m SE	Railway Sidings	1960	2500
242m SE	Railway Sidings	1953	1250
242m SE	Railway Sidings	1953	2500
246m SE	Railway Sidings	1981	1250
247m SW	Railway Sidings	1952	1250
247m NE	Railway Sidings	1992	1250
248m NE	Railway Sidings	1972	1250
248m NE	Railway Sidings	1963	1250
249m NE	Railway Sidings	1997	1250

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

10

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

Features are displayed on the Railway infrastructure and projects map on **page 128**

Location	Description
221m SE	Disused
221m SE	DisusedYes
240m SE	Disused
240m SE	DisusedYes



Location	Description
241m SE	Disused
241m SE	DisusedYes
244m SE	Disused
244m SE	DisusedYes
245m SE	Disused
245m SE	DisusedYes

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

28

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 128**

Location	Name	Type
46m W		rail
50m W		rail
55m W		rail
143m NW		rail
166m SW		rail
170m SW		rail
173m SW		rail
185m SW		rail
189m SW		rail
191m SE		rail
193m SW		rail
195m SE	South Bank Junction to Clay Lane Works Branch	rail
196m SE	Not given	Multi Track
197m SE	Not given	Multi Track
198m SE		rail



Location	Name	Type
199m SE	Tees Valley Line	rail
199m SE	Not given	Single Track
199m SE		rail
200m SE	Not given	Single Track
201m SE		rail
202m SE	Tees Valley Line	rail
205m SE		rail
214m SE	Not given	Multi Track
214m W		rail
223m SE	Not given	Multi Track
239m SE	Not given	Multi Track
239m SE	Not given	Single Track
241m SW		rail

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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