Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

CALDER VALLEY SKIP HIRE STORAGE LAND, MEARCLOUGH ROAD, SOWERBY BRIDGE, HX6 3LF

Order Details

Date: 27/10/2023

Your ref: PO23-0733_794-ENV-EPC-20047Z

Our Ref: GS-4Z7-75T-O51-1SE

Site Details

Location: 406935 423636

Area: 0.08 ha

Authority: Calderdale Metropolitan Borough Council ↗

Summary of findings p. 2 >

Aerial image p. 9 >

OS MasterMap site plan p.14 >

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info@groundsure.com ↗
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Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	4	0	55	61	-
20 >	1.2 >	Historical tanks >	0	0	12	22	-
22 >	1.3 >	Historical energy features >	0	0	5	6	-
22	1.4	Historical petrol stations	0	0	0	0	-
23 >	1.5 >	Historical garages >	0	1	0	3	-
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 >	Historical industrial land uses >	4	0	75	71	-
30 >	2.2 >	Historical tanks >	0	0	25	29	-
32 >	2.3 >	Historical energy features >	0	0	11	14	-
33	2.4	Historical petrol stations	0	0	0	0	-
34 >	2.5 >	Historical garages >	0	1	0	4	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
35	3.1	Active or recent landfill	0	0	0	0	-
35 >	3.2 >	Historical landfill (BGS records) >	0	0	1	0	-
36 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	1	1	-
36 >	3.4 >	Historical landfill (EA/NRW records) >	0	1	0	2	-
37 >	3.5 >	Historical waste sites >	0	1	2	1	-
38 >	3.6 >	Licensed waste sites >	2	6	0	2	-
40 >	3.7 >	Waste exemptions >	0	1	0	3	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
42 >	4.1 >	Recent industrial land uses >	0	1	13	-	-
43	4.2	Current or recent petrol stations	0	0	0	0	-
44	4.3	Electricity cables	0	0	0	0	-
44	4.4	Gas pipelines	0	0	0	0	-
44	4.5	Sites determined as Contaminated Land	0	0	0	0	-

44	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
44	4.7	Regulated explosive sites	0	0	0	0	-
45	4.8	Hazardous substance storage/usage	0	0	0	0	-
45	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
45	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
45	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
45	4.12	Radioactive Substance Authorisations	0	0	0	0	-
46 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	11	4	-
48	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
48	4.15	Pollutant release to public sewer	0	0	0	0	-
48	4.16	List 1 Dangerous Substances	0	0	0	0	-
49	4.17	List 2 Dangerous Substances	0	0	0	0	-
49 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	4	3	4	5	-
51	4.19	Pollution inventory substances	0	0	0	0	-
51	4.20	Pollution inventory waste transfers	0	0	0	0	-
51	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
52 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
53 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
54 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
55	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
55	5.5	Groundwater vulnerability- local information	None (within 0m)				
57 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	0	30
65 >	**5.7 >**	**Surface water abstractions >**	0	0	0	1	9
67 >	**5.8 >**	**Potable abstractions >**	0	0	0	0	6
69	5.9	Source Protection Zones	0	0	0	0	-
69	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
70 >	**6.1 >**	**Water Network (OS MasterMap) >**	0	1	7	-	-

71 >	6.2 >	Surface water features >	0	1	4	-	-
71 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
72 >	6.4 >	WFD Surface water bodies >	0	0	2	-	-
72 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	**River and coastal flooding >**	On site	0-50m	50-250m	250-500m	500-2000m
74 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
75 >	7.2 >	Historical Flood Events >	2	3	3	-	-
76	7.3	Flood Defences	0	0	0	-	-
76	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
76 >	7.5 >	Flood Storage Areas >	0	0	1	-	-
77 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
78 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	**Surface water flooding >**					
79 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	**Groundwater flooding >**					
81 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	**Environmental designations >**	On site	0-50m	50-250m	250-500m	500-2000m
82	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
83	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
83	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
83	10.4	Special Protection Areas (SPA)	0	0	0	0	0
83	10.5	National Nature Reserves (NNR)	0	0	0	0	0
84 >	10.6 >	Local Nature Reserves (LNR) >	0	1	0	0	3
84 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	5
85	10.8	Biosphere Reserves	0	0	0	0	0
85	10.9	Forest Parks	0	0	0	0	0
85	10.10	Marine Conservation Zones	0	0	0	0	0
85 >	10.11 >	Green Belt >	0	0	1	0	0
86	10.12	Proposed Ramsar sites	0	0	0	0	0

86	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
86	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
86	10.15	Nitrate Sensitive Areas	0	0	0	0	0
87	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
88 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
89	10.18	SSSI Units	0	0	0	0	0
Page	Section	**Visual and cultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
90	11.1	World Heritage Sites	0	0	0	-	-
91	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
91	11.3	National Parks	0	0	0	-	-
91 >	11.4 >	Listed Buildings >	0	0	3	-	-
92	11.5	Conservation Areas	0	0	0	-	-
92	11.6	Scheduled Ancient Monuments	0	0	0	-	-
92	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	12.1 >	Agricultural Land Classification >	Grade 4 (within 250m)				
94	12.2	Open Access Land	0	0	0	-	-
94	12.3	Tree Felling Licences	0	0	0	-	-
94	12.4	Environmental Stewardship Schemes	0	0	0	-	-
95	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	**Habitat designations** >	On site	0-50m	50-250m	250-500m	500-2000m
96 >	13.1 >	Priority Habitat Inventory >	0	1	3	-	-
97	13.2	Habitat Networks	0	0	0	-	-
97 >	13.3 >	Open Mosaic Habitat >	0	0	2	-	-
97	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
98 >	14.1 >	10k Availability >	Identified (within 500m)				
99 >	14.2 >	Artificial and made ground (10k) >	0	1	3	3	-
101 >	14.3 >	Superficial geology (10k) >	1	0	0	0	-

102 >	14.4 >	Landslip (10k) >	0	0	0	2	-
103 >	14.5 >	Bedrock geology (10k) >	2	1	3	9	-
104 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	1	1	-
Page	Section	**Geology 1:50,000 scale >**	On site	0-50m	50-250m	250-500m	500-2000m
105 >	15.1 >	50k Availability >	Identified (within 500m)				
106 >	15.2 >	Artificial and made ground (50k) >	0	1	1	0	-
107 >	15.3 >	Artificial ground permeability (50k) >	0	1	-	-	-
108 >	15.4 >	Superficial geology (50k) >	1	0	0	0	-
109 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
109 >	15.6 >	Landslip (50k) >	0	0	0	2	-
109	15.7	Landslip permeability (50k)	None (within 50m)				
110 >	15.8 >	Bedrock geology (50k) >	2	1	3	9	-
111 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
112 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	1	1	-
Page	Section	**Boreholes >**	On site	0-50m	50-250m	250-500m	500-2000m
113 >	16.1 >	BGS Boreholes >	0	1	14	-	-
Page	Section	**Natural ground subsidence >**					
115 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
116 >	17.2 >	Running sands >	Low (within 50m)				
118 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
120 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
121 >	17.5 >	Landslides >	Moderate (within 50m)				
123 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	**Mining and ground workings >**	On site	0-50m	50-250m	250-500m	500-2000m
125 >	18.1 >	BritPits >	0	0	0	1	-
126 >	18.2 >	Surface ground workings >	0	0	33	-	-
127 >	18.3 >	Underground workings >	0	0	0	0	6
128	18.4	Underground mining extents	0	0	0	0	-
128	18.5	Historical Mineral Planning Areas	0	0	0	0	-

128 >	18.6 >	Non-coal mining >	1	0	0	0	0
129	18.7	JPB mining areas	None (within 0m)				
129	18.8	The Coal Authority non-coal mining	0	0	0	0	-
129	18.9	Researched mining	0	0	0	0	-
129	18.10	Mining record office plans	0	0	0	0	-
130	18.11	BGS mine plans	0	0	0	0	-
130	18.12	Coal mining	None (within 0m)				
130	18.13	Brine areas	None (within 0m)				
130	18.14	Gypsum areas	None (within 0m)				
130	18.15	Tin mining	None (within 0m)				
131	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
132	19.1	Natural cavities	0	0	0	0	-
132	19.2	Mining cavities	0	0	0	0	0
132	19.3	Reported recent incidents	0	0	0	0	-
132	19.4	Historical incidents	0	0	0	0	-
133	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
134 >	20.1 >	Radon >	Between 3% and 5% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
136 >	21.1 >	BGS Estimated Background Soil Chemistry >	3	4	-	-	-
136	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
137	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
138	22.1	Underground railways (London)	0	0	0	-	-
138	22.2	Underground railways (Non-London)	0	0	0	-	-
139	22.3	Railway tunnels	0	0	0	-	-
139 >	22.4 >	Historical railway and tunnel features >	0	0	7	-	-
139	22.5	Royal Mail tunnels	0	0	0	-	-

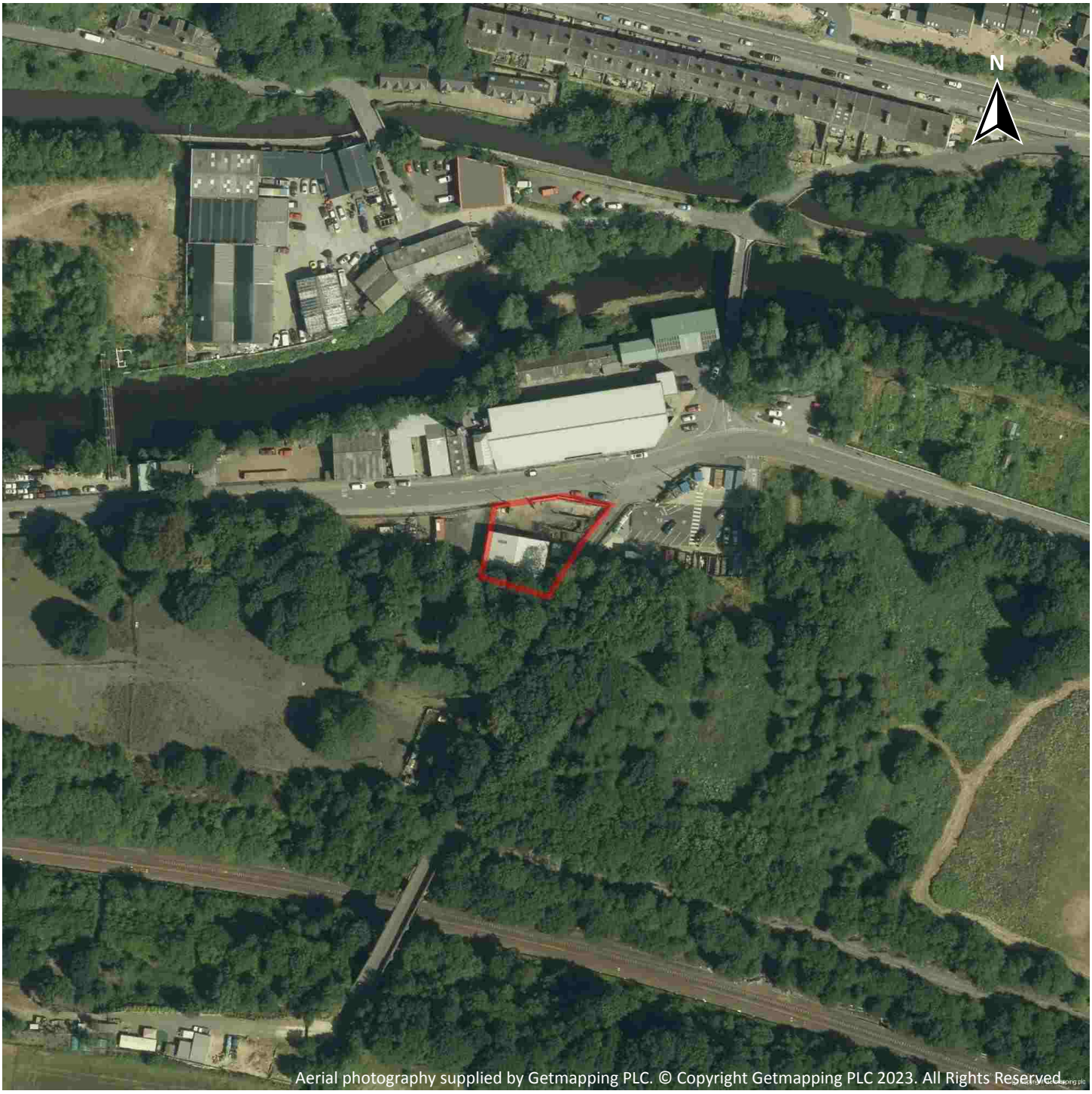
140	22.6	Historical railways	0	0	0	-	-
140 >	**22.7 >**	**Railways >**	0	0	4	-	-
140	22.8	Crossrail 1	0	0	0	0	-
140	22.9	Crossrail 2	0	0	0	0	-
141	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 30/05/2021

Site Area: 0.08ha

Recent site history - 2018 aerial photograph



Capture Date: 02/07/2018

Site Area: 0.08ha

Recent site history - 2012 aerial photograph

Capture Date: 26/03/2012

Site Area: 0.08ha

Recent site history - 2000 aerial photograph

Capture Date: 25/08/2000

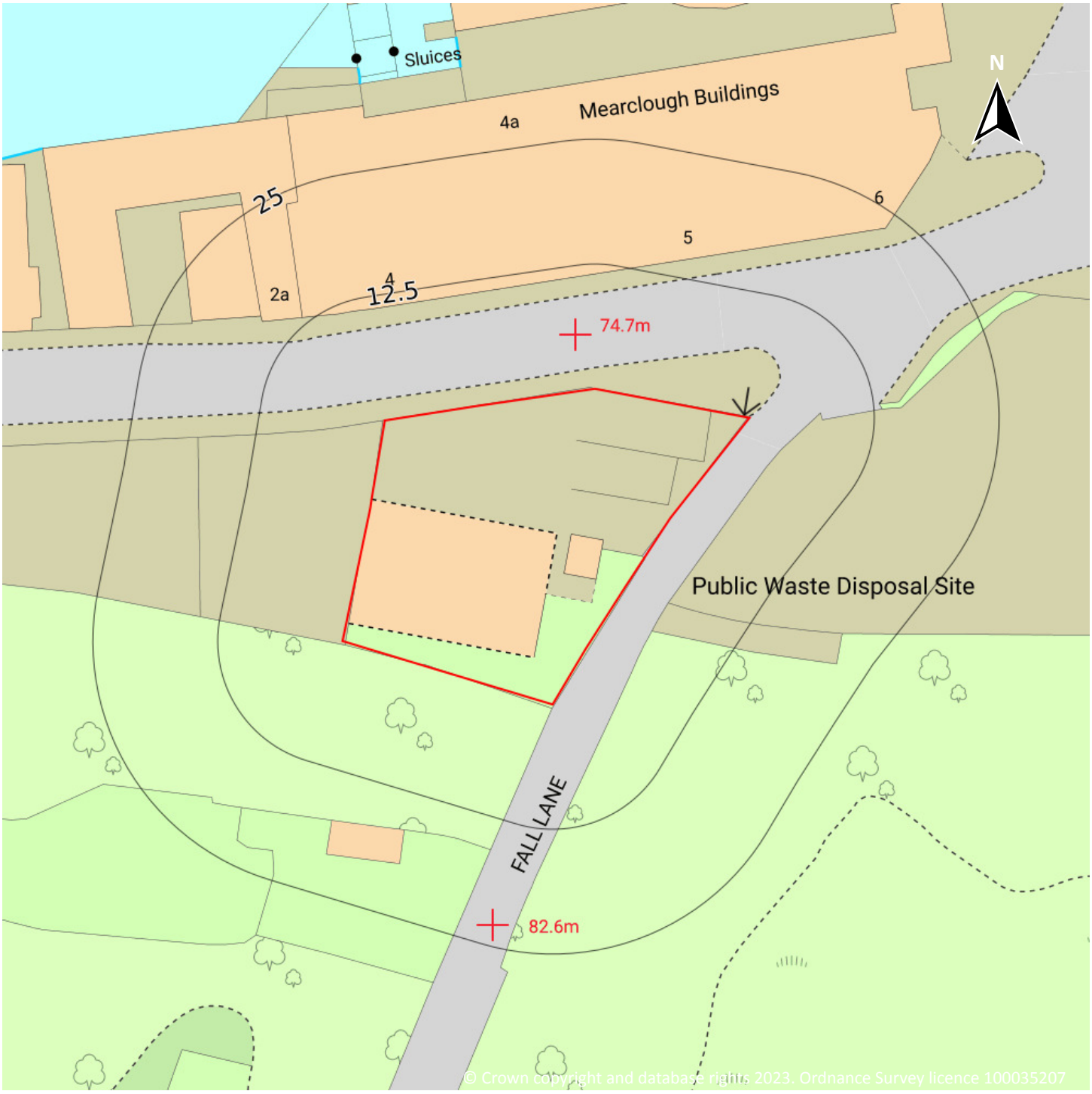
Site Area: 0.08ha

Recent site history - 1999 aerial photograph

Capture Date: 10/09/1999

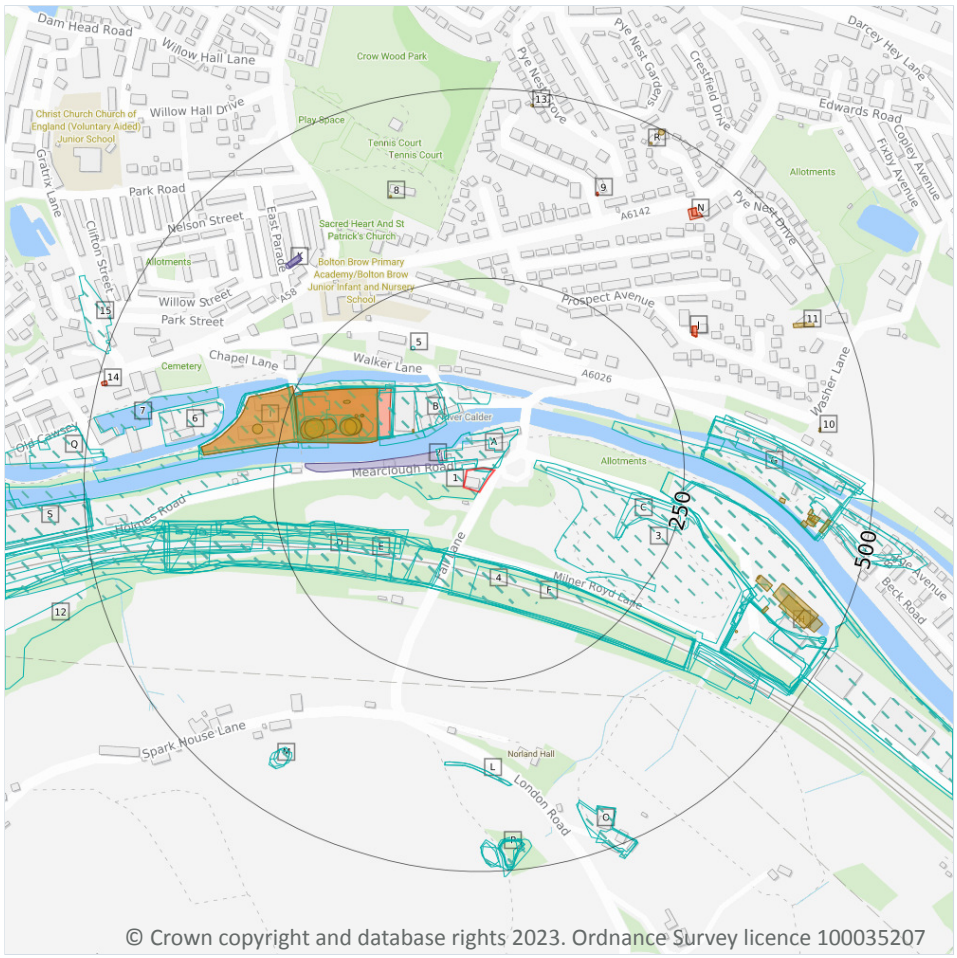
Site Area: 0.08ha

OS MasterMap site plan



Site Area: 0.08ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	120

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Works**	**1967**	**1553747**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Mills**	**1893**	**1419147**
A	**On site**	**Corn Mill**	**1854**	**1433091**
A	**On site**	**Unspecified Works**	**1905**	**1476244**
3	52m E	Refuse Heap	1967 - 1981	1544061
B	65m NW	Unspecified Mill	1854	1421274
C	68m E	Unspecified Ground Workings	1931	1412496
B	70m NW	Brewery	1854	1432859
B	71m NW	Unspecified Works	1967 - 1981	1462257
B	71m NW	Unspecified Mills	1893 - 1905	1477797
D	82m SW	Cuttings	1967 - 1981	1458960
E	85m S	Cuttings	1948	1470254
F	86m S	Cuttings	1938 - 1981	1542381
4	89m S	Cuttings	1931	1532969
E	89m S	Cuttings	1893	1487123
F	89m S	Cuttings	1905	1493872
D	90m SW	Cuttings	1905	1550699
E	91m SW	Cuttings	1951	1492544
D	92m SW	Railway Sidings	1938	1506727
F	98m S	Cuttings	1854	1537600
D	105m SW	Railway Sidings	1948	1543698
B	106m NW	Unspecified Commercial/Industrial	1951	1511387
B	109m NW	Unspecified Commercial/Industrial	1938 - 1948	1512076
B	110m NW	Unspecified Industrial/Commercial	1931	1443801
D	110m SW	Cuttings	1951	1471028
D	110m SW	Railway Sidings	1951	1534219
D	112m SW	Railway Sidings	1931	1469011
B	125m W	Gas Works	1893 - 1905	1517229
B	135m NW	Refuse Heap	1893	1436839

ID	Location	Land use	Dates present	Group ID
D	138m SW	Cuttings	1854	1500414
B	152m NW	Unspecified Tank	1967 - 1981	1476012
B	152m NW	Unspecified Tank	1951	1536685
B	155m NW	Unspecified Tanks	1931 - 1938	1484727
B	156m NW	Gasometer	1893 - 1905	1549418
B	158m NW	Unspecified Tank	1948	1503293
G	164m E	Canal Mills	1931	1421107
5	174m NW	Unspecified Pump	1854	1456565
D	176m W	Cuttings	1938	1495246
C	178m E	Unspecified Heap	1938	1466837
B	180m W	Unspecified Tank	1951	1460941
B	182m W	Unspecified Tank	1893 - 1905	1514269
B	182m W	Unspecified Tanks	1948	1522275
B	185m W	Gas Works	1854	1462596
B	195m W	Unspecified Tank	1967 - 1981	1478293
B	199m W	Gasometers	1854	1418487
B	200m W	Unspecified Tank	1951	1547834
B	203m W	Unspecified Tank	1948	1488540
B	203m W	Gasometer	1893 - 1905	1492566
H	220m E	Unspecified Works	1967	1438320
H	220m E	Sewage Works	1981	1500413
I	223m W	Chemical Works	1854 - 1893	1552278
D	227m W	Unspecified Works	1951	1438321
I	229m W	Unspecified Works	1905 - 1931	1554231
I	230m W	Unspecified Works	1938	1518285
I	230m W	Unspecified Works	1948	1513931
H	236m E	Sewage Works	1938 - 1948	1492831
H	238m E	Sewage Works	1931	1458623

ID	Location	Land use	Dates present	Group ID
D	238m W	Railway Sidings	1905	1518326
H	239m E	Sewage Works	1951	1488862
D	272m W	Railway Sidings	1893	1524348
G	272m E	Unspecified Mills	1893 - 1905	1464460
G	274m E	Unspecified Mills	1948	1464617
G	275m E	Unspecified Mills	1951	1541300
G	275m E	Unspecified Mills	1967 - 1981	1542956
G	286m E	Unspecified Mills	1893	1473759
G	286m E	Unspecified Mills	1905	1483833
D	292m W	Railway Sidings	1931	1489713
D	314m W	Railway Building	1905	1429320
G	318m E	Woollen Mill	1854	1431096
6	329m W	Unspecified Wharf	1854	1435357
7	341m W	Basin	1931	1443366
H	344m SE	Railway Sidings	1893 - 1905	1509858
D	345m W	Railway Building	1951	1429318
D	350m W	Canal Wharf	1854	1421137
H	352m SE	Railway Siding and Stone Wharf	1938	1501975
H	353m SE	Railway Sidings	1948 - 1951	1529377
H	355m SE	Railway Sidings	1931	1535022
D	355m W	Railway Building	1951	1429321
D	357m W	Cuttings	1893	1462654
L	358m S	Unspecified Ground Workings	1951	1490202
L	358m S	Unspecified Ground Workings	1967	1526437
H	358m SE	Cuttings	1854	1409854
H	365m SE	Dye Works	1893	1442630
H	370m SE	Unspecified Mills	1938	1519108
H	370m SE	Disused Dye Works	1905	1448434

ID	Location	Land use	Dates present	Group ID
H	371m SE	Unspecified Mills	1931	1470334
H	371m SE	Unspecified Mills	1951	1467524
D	375m W	Railway Building	1951	1429319
H	376m SE	Woollen Mill	1854	1431066
D	396m W	Railway Building	1951	1497338
D	400m W	Railway Building	1905	1549860
H	400m SE	Mill Pond	1854	1425428
M	415m SW	Unspecified Pit	1905	1513501
M	416m SW	Unspecified Quarry	1893	1426761
M	417m SW	Unspecified Pit	1967	1512043
G	418m E	Refuse Heap	1893 - 1905	1513591
O	427m S	Hospital	1948	1537353
O	429m S	Fever Hospital	1931 - 1938	1491702
G	444m E	Unspecified Heap	1931	1415436
12	457m W	Unspecified Ground Workings	1967	1514859
G	457m E	Unspecified Ground Workings	1967	1412497
P	457m S	Unspecified Pit	1948	1537815
P	458m S	Unspecified Quarry	1948	1468737
P	459m S	Unspecified Pit	1938	1513726
P	460m S	Sandstone Quarry	1854	1451056
P	461m S	Unspecified Quarry	1893	1512080
P	461m S	Unspecified Pit	1905	1485840
P	461m S	Unspecified Pit	1951	1485567
P	462m S	Unspecified Ground Workings	1931	1412502
P	462m S	Unspecified Quarry	1905	1494568
Q	471m W	Corn Mill	1854	1433088
O	473m S	Hospital	1905	1458613
Q	477m W	Unspecified Mills	1893	1419146

ID	Location	Land use	Dates present	Group ID
H	482m SE	Chimney	1967 - 1981	1524251
S	491m W	Unspecified Mill	1967	1421276
S	491m W	Unspecified Mills	1981	1533535
S	493m W	Iron Works	1951	1547144
15	495m W	Corn Mill	1854	1433090
S	496m W	Iron Works	1948	1515963
S	496m W	Iron Works	1931 - 1938	1546183

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**34**

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
B	86m NW	Unspecified Tank	1907	224282
B	124m W	Gas Works	1894 - 1961	249706
B	149m NW	Unspecified Tank	1962 - 1970	248318
B	149m NW	Unspecified Tank	1984	236142
B	150m NW	Unspecified Tank	1961	242377
B	153m NW	Unspecified Tank	1962 - 1984	240691
B	155m NW	Unspecified Tank	1961	234673
B	155m W	Gasometer	1894 - 1919	235480
B	160m NW	Unspecified Tank	1907 - 1919	250094
B	178m NW	Tanks	1894 - 1919	248520
B	180m W	Gasometers	1894 - 1919	241373

ID	Location	Land use	Dates present	Group ID
B	195m W	Unspecified Tank	1961 - 1984	248637
I	274m W	Unspecified Tank	1894	224281
8	373m N	Unspecified Tank	1907 - 1919	250090
H	374m E	Detritus Tanks	1933	233066
H	374m E	Tanks	1919	230831
G	377m E	Unspecified Tank	1970 - 1971	238940
H	381m SE	Unspecified Tank	1933	224260
H	398m SE	Tanks	1894 - 1907	248407
H	402m E	Settling Tanks	1970 - 1971	234598
G	409m E	Unspecified Tank	1907	242587
H	415m SE	Aerating Tanks	1933	230199
G	416m E	Unspecified Tank	1970 - 1971	234055
G	417m E	Unspecified Tank	1919	240659
G	417m E	Unspecified Tank	1907	249386
G	421m E	Tanks	1919	230832
10	430m E	Tanks	1907	230834
G	435m E	Tanks	1919	230836
11	437m NE	Unspecified Tank	1919	224286
H	443m SE	Settling Tanks	1933	243707
H	462m SE	Tanks	1919	230837
R	476m NE	Unspecified Tank	1907	224300
13	480m N	Unspecified Tank	1907	224298
R	493m NE	Unspecified Tank	1919	224299

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	11

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
B	110m NW	Urban District Council Gas Works	1907 - 1919	144534
B	124m W	Gas Works	1894 - 1961	143057
B	155m W	Gasometer	1894 - 1919	137508
B	180m W	Gasometers	1894 - 1919	142499
B	224m W	Electricity Substation	1984	129345
J	315m NE	Electricity Substation	1970 - 1991	140095
J	317m NE	Electricity Substation	1970	139917
9	386m NE	Electricity Substation	1972 - 1986	144756
N	419m NE	Electricity Substation	1970 - 1991	137868
N	424m NE	Electricity Substation	1970	139121
14	487m W	Electricity Substation	1970 - 1996	135791

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	4

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
2	32m NW	Garage	1984	41133
K	352m NW	Garage	1962 - 1970	46287
K	352m NW	Garage	1984	42428
K	354m NW	Garage	1961	42059

This data is sourced from Ordnance Survey / Groundsure.

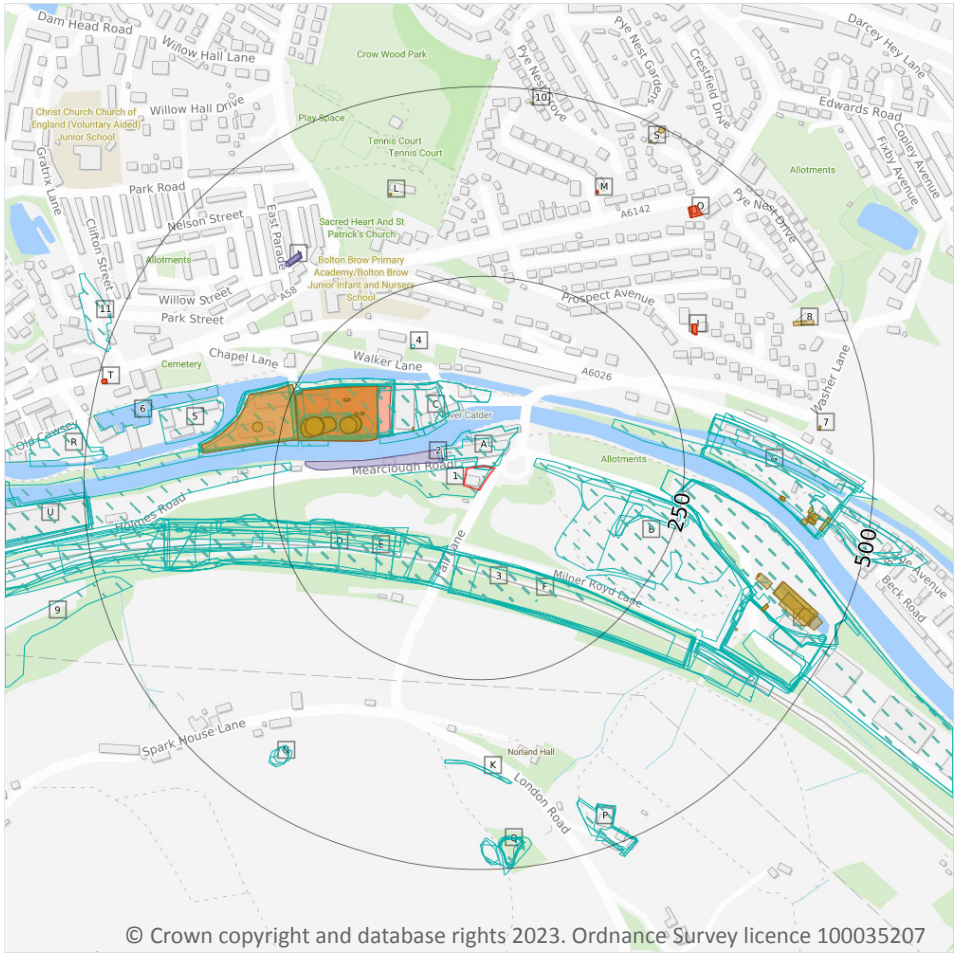
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	150

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 Works**	**1967**	**1553747**
A	**On site**	**Corn Mill**	**1854**	**1433091**
A	**On site**	**Unspecified Works**	**1905**	**1476244**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Mills**	**1893**	**1419147**
B	52m E	Refuse Heap	1981	1544061
C	65m NW	Unspecified Mill	1854	1421274
B	68m E	Unspecified Ground Workings	1931	1412496
C	70m NW	Brewery	1854	1432859
C	71m NW	Unspecified Works	1981	1462257
C	71m NW	Unspecified Works	1967	1462257
C	71m NW	Unspecified Mills	1905	1477797
C	71m NW	Unspecified Mills	1893	1477797
D	82m SW	Cuttings	1981	1458960
D	82m SW	Cuttings	1967	1458960
E	85m S	Cuttings	1948	1470254
F	86m S	Cuttings	1938	1542381
3	89m S	Cuttings	1931	1532969
E	89m S	Cuttings	1893	1487123
F	89m S	Cuttings	1905	1493872
F	89m S	Cuttings	1981	1542381
F	89m S	Cuttings	1951	1542381
F	89m S	Cuttings	1967	1542381
D	90m SW	Cuttings	1905	1550699
E	91m SW	Cuttings	1951	1492544
D	92m SW	Railway Sidings	1938	1506727
F	98m S	Cuttings	1854	1537600
D	105m SW	Railway Sidings	1948	1543698
C	106m NW	Unspecified Commercial/Industrial	1951	1511387
C	109m NW	Unspecified Commercial/Industrial	1938	1512076
C	110m NW	Unspecified Industrial/Commercial	1931	1443801
D	110m SW	Cuttings	1951	1471028

ID	Location	Land Use	Date	Group ID
D	110m SW	Railway Sidings	1951	1534219
C	111m NW	Unspecified Commercial/Industrial	1948	1512076
D	112m SW	Railway Sidings	1931	1469011
B	116m E	Refuse Heap	1967	1544061
C	125m W	Gas Works	1905	1517229
C	125m W	Gas Works	1893	1517229
C	135m NW	Refuse Heap	1893	1436839
D	138m SW	Cuttings	1854	1500414
C	152m NW	Unspecified Tank	1981	1476012
C	152m NW	Unspecified Tank	1951	1536685
C	152m NW	Unspecified Tank	1967	1476012
C	155m NW	Unspecified Tanks	1938	1484727
C	155m W	Unspecified Tanks	1931	1484727
C	156m NW	Gasometer	1905	1549418
C	156m NW	Gasometer	1893	1549418
C	158m NW	Unspecified Tank	1948	1503293
G	164m E	Canal Mills	1931	1421107
4	174m NW	Unspecified Pump	1854	1456565
D	176m W	Cuttings	1938	1495246
B	178m E	Unspecified Heap	1938	1466837
B	178m E	Unspecified Heap	1938	1466837
C	180m W	Unspecified Tank	1951	1460941
C	182m W	Unspecified Tank	1905	1514269
C	182m W	Unspecified Tank	1893	1514269
C	182m W	Unspecified Tanks	1948	1522275
C	185m W	Gas Works	1854	1462596
C	195m W	Unspecified Tank	1981	1478293
C	195m W	Unspecified Tank	1967	1478293

ID	Location	Land Use	Date	Group ID
C	199m W	Gasometers	1854	1418487
C	200m W	Unspecified Tank	1951	1547834
C	203m W	Unspecified Tank	1948	1488540
C	203m W	Gasometer	1905	1492566
C	203m W	Gasometer	1893	1492566
H	220m E	Sewage Works	1981	1500413
H	220m E	Unspecified Works	1967	1438320
C	223m W	Chemical Works	1854	1552278
D	227m W	Unspecified Works	1951	1438321
C	229m W	Unspecified Works	1931	1554231
C	230m W	Unspecified Works	1938	1518285
C	230m W	Unspecified Works	1948	1513931
C	231m W	Unspecified Works	1905	1554231
C	231m W	Chemical Works	1893	1552278
H	236m E	Sewage Works	1948	1492831
H	238m E	Sewage Works	1931	1458623
D	238m W	Railway Sidings	1905	1518326
H	239m E	Sewage Works	1938	1492831
H	239m E	Sewage Works	1938	1492831
H	239m E	Sewage Works	1951	1488862
D	272m W	Railway Sidings	1893	1524348
G	272m E	Unspecified Mills	1905	1464460
G	272m E	Unspecified Mills	1893	1464460
G	274m E	Unspecified Mills	1948	1464617
G	275m E	Unspecified Mills	1951	1541300
G	275m E	Unspecified Mills	1967	1542956
G	284m E	Unspecified Mills	1981	1542956
G	286m E	Unspecified Mills	1905	1483833

ID	Location	Land Use	Date	Group ID
G	286m E	Unspecified Mills	1893	1473759
D	292m W	Railway Sidings	1931	1489713
D	314m W	Railway Building	1905	1429320
G	318m E	Woollen Mill	1854	1431096
5	329m W	Unspecified Wharf	1854	1435357
6	341m W	Basin	1931	1443366
H	344m SE	Railway Sidings	1905	1509858
H	344m SE	Railway Sidings	1893	1509858
D	345m W	Railway Building	1951	1429318
D	350m W	Canal Wharf	1854	1421137
H	352m SE	Railway Siding and Stone Wharf	1938	1501975
H	352m SE	Railway Siding and Stone Wharf	1938	1501975
H	353m SE	Railway Sidings	1951	1529377
H	355m SE	Railway Sidings	1948	1529377
H	355m SE	Railway Sidings	1931	1535022
D	355m W	Railway Building	1951	1429321
D	357m W	Cuttings	1893	1462654
K	358m S	Unspecified Ground Workings	1951	1490202
K	358m S	Unspecified Ground Workings	1967	1526437
H	358m SE	Cuttings	1854	1409854
H	365m SE	Dye Works	1893	1442630
H	370m SE	Unspecified Mills	1938	1519108
H	370m SE	Disused Dye Works	1905	1448434
H	371m SE	Unspecified Mills	1931	1470334
H	371m SE	Unspecified Mills	1951	1467524
D	375m W	Railway Building	1951	1429319
H	376m SE	Woollen Mill	1854	1431066
D	396m W	Railway Building	1951	1497338

ID	Location	Land Use	Date	Group ID
D	400m W	Railway Building	1905	1549860
H	400m SE	Mill Pond	1854	1425428
N	415m SW	Unspecified Pit	1905	1513501
N	416m SW	Unspecified Quarry	1893	1426761
N	417m SW	Unspecified Pit	1967	1512043
G	418m E	Refuse Heap	1905	1513591
G	418m E	Refuse Heap	1893	1513591
P	427m S	Hospital	1948	1537353
P	429m S	Fever Hospital	1931	1491702
P	443m S	Fever Hospital	1938	1491702
G	444m E	Unspecified Heap	1931	1415436
9	457m W	Unspecified Ground Workings	1967	1514859
G	457m E	Unspecified Ground Workings	1967	1412497
Q	457m S	Unspecified Pit	1948	1537815
Q	458m S	Unspecified Quarry	1948	1468737
Q	459m S	Unspecified Pit	1938	1513726
Q	459m S	Unspecified Pit	1938	1513726
Q	460m S	Sandstone Quarry	1854	1451056
Q	461m S	Unspecified Quarry	1893	1512080
Q	461m S	Unspecified Pit	1905	1485840
Q	461m S	Unspecified Pit	1951	1485567
Q	462m S	Unspecified Ground Workings	1931	1412502
Q	462m S	Unspecified Quarry	1905	1494568
R	471m W	Corn Mill	1854	1433088
P	473m S	Hospital	1905	1458613
R	477m W	Unspecified Mills	1893	1419146
H	482m SE	Chimney	1981	1524251
H	482m SE	Chimney	1967	1524251

ID	Location	Land Use	Date	Group ID
U	491m W	Unspecified Mills	1981	1533535
U	491m W	Unspecified Mill	1967	1421276
U	493m W	Iron Works	1951	1547144
11	495m W	Corn Mill	1854	1433090
U	496m W	Iron Works	1948	1515963
U	496m W	Iron Works	1938	1546183
U	497m W	Iron Works	1931	1546183

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**54**

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
C	86m NW	Unspecified Tank	1907	224282
C	124m W	Gas Works	1894	249706
C	149m NW	Unspecified Tank	1970	248318
C	149m NW	Unspecified Tank	1962	248318
C	149m NW	Unspecified Tank	1984	236142
C	150m NW	Unspecified Tank	1961	242377
C	153m NW	Unspecified Tank	1984	240691
C	154m NW	Unspecified Tank	1970	240691
C	154m NW	Unspecified Tank	1962	240691
C	155m NW	Unspecified Tank	1961	234673
C	155m W	Gasometer	1894	235480
C	155m W	Gasometer	1907	235480
C	155m W	Gasometer	1919	235480

ID	Location	Land Use	Date	Group ID
C	160m NW	Unspecified Tank	1907	250094
C	160m NW	Unspecified Tank	1919	250094
C	178m NW	Tanks	1894	248520
C	179m NW	Tanks	1919	248520
C	180m W	Gasometers	1894	241373
C	180m W	Gasometers	1907	241373
C	180m W	Gasometers	1919	241373
C	195m W	Unspecified Tank	1970	248637
C	195m W	Unspecified Tank	1962	248637
C	196m W	Unspecified Tank	1984	248637
C	196m W	Unspecified Tank	1961	248637
C	225m W	Gas Works	1961	249706
C	274m W	Unspecified Tank	1894	224281
L	373m N	Unspecified Tank	1907	250090
L	373m N	Unspecified Tank	1919	250090
H	374m E	Detritus Tanks	1933	233066
H	374m E	Tanks	1919	230831
G	377m E	Unspecified Tank	1971	238940
G	379m E	Unspecified Tank	1970	238940
G	379m E	Unspecified Tank	1970	238940
H	381m SE	Unspecified Tank	1933	224260
H	398m SE	Tanks	1894	248407
H	398m SE	Tanks	1907	248407
H	402m E	Settling Tanks	1971	234598
H	403m E	Settling Tanks	1970	234598
G	409m E	Unspecified Tank	1907	242587
H	415m SE	Aerating Tanks	1933	230199
G	416m E	Unspecified Tank	1971	234055

ID	Location	Land Use	Date	Group ID
G	417m E	Unspecified Tank	1919	240659
G	417m E	Unspecified Tank	1907	249386
G	418m E	Unspecified Tank	1970	234055
G	418m E	Unspecified Tank	1970	234055
G	421m E	Tanks	1919	230832
7	430m E	Tanks	1907	230834
G	435m E	Tanks	1919	230836
8	437m NE	Unspecified Tank	1919	224286
H	443m SE	Settling Tanks	1933	243707
H	462m SE	Tanks	1919	230837
S	476m NE	Unspecified Tank	1907	224300
10	480m N	Unspecified Tank	1907	224298
S	493m NE	Unspecified Tank	1919	224299

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**25**

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
C	110m NW	Urban District Council Gas Works	1919	144534
C	124m W	Gas Works	1894	143057
C	124m W	Urban District Council Gas Works	1907	144534
C	155m W	Gasometer	1894	137508
C	155m W	Gasometer	1907	137508
C	155m W	Gasometer	1919	137508
C	180m W	Gasometers	1894	142499

ID	Location	Land Use	Date	Group ID
C	180m W	Gasometers	1907	142499
C	180m W	Gasometers	1919	142499
C	224m W	Electricity Substation	1984	129345
C	225m W	Gas Works	1961	143057
I	315m NE	Electricity Substation	1991	140095
I	316m NE	Electricity Substation	1971	140095
I	316m NE	Electricity Substation	1970	140095
I	317m NE	Electricity Substation	1970	139917
M	386m NE	Electricity Substation	1986	144756
M	387m NE	Electricity Substation	1972	144756
O	419m NE	Electricity Substation	1971	137868
O	420m NE	Electricity Substation	1991	137868
O	421m NE	Electricity Substation	1970	137868
O	424m NE	Electricity Substation	1970	139121
T	487m W	Electricity Substation	1970	135791
T	488m W	Electricity Substation	1970	135791
T	488m W	Electricity Substation	1996	135791
T	488m W	Electricity Substation	1990	135791

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	5

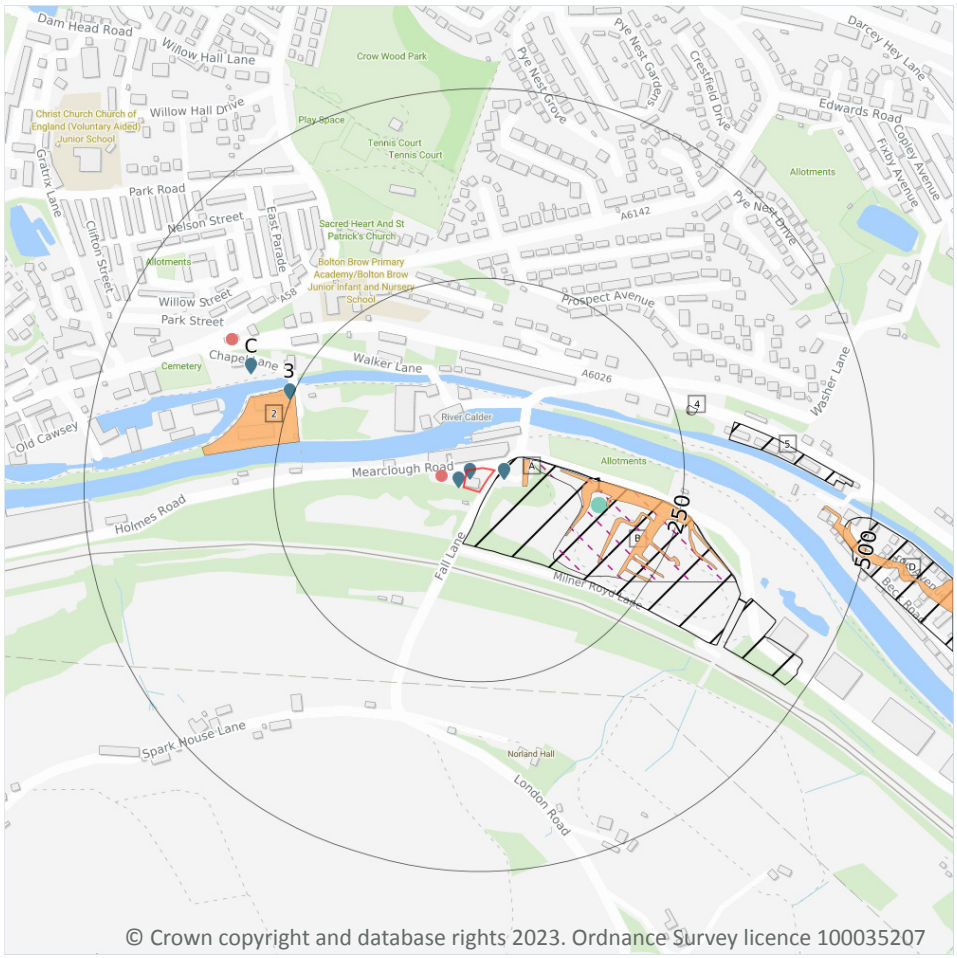
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 24 >**

ID	Location	Land Use	Date	Group ID
2	32m NW	Garage	1984	41133
J	352m NW	Garage	1970	46287
J	352m NW	Garage	1962	46287
J	352m NW	Garage	1984	42428
J	354m NW	Garage	1961	42059

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

- Historical landfill (EA/NRW)
- Historical landfill (BGS)
- Historical landfill (LA/OS)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 35 >**

ID	Location	Address	BGS Number	Risk	Waste Type
1	145m E	Milner Road Depot, Mearclough Rd, Sowerby Bridge	3026	No risk to aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	**2**

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

Features are displayed on the Waste and landfill map on **page 35 >**

ID	Location	Site address	Source	Data type
B	50m E	Refuse Tip	1969 mapping	Polygon
4	265m E	Refuse Tip	1969 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	**3**

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 35 >**

ID	Location	Details		
B	7m E	Site Address: Milner Royd Depot, Mearclough Road, Sowerby Bridge, West Yorkshire Licence Holder Address: -	Waste Licence: - Site Reference: C1710 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Sowerby Bridge Urban District Council Licence Holder: Sowerby Bridge Urban District Council First Recorded 31/12/1930 Last Recorded: 31/12/1986

ID	Location	Details		
5	311m E	Site Address: Canal Mills, Wakefield Road, Copley, Sowerby Bridge Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
D	466m E	Site Address: Standard Wire Company, Sterne Mills, Wakefield Road, Sowerby Bridge, Halifax Licence Holder Address: Staincliffe House, Staincliffe, Batley	Waste Licence: Yes Site Reference: 4700/0635 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 09/03/1988 Licence Surrender: 03/05/1994	Operator: - Licence Holder: Longland Reclamation Limited First Recorded 31/08/1987 Last Recorded: 24/04/1991

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

3.5 Historical waste sites

Records within 500m	**4**

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 35 >**

ID	Location	Address	Further Details	Date
A	37m E	Site Address: N/A	Type of Site: Household Waste Site Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	86m E	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1962
2	224m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
D	434m E	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1962

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

3.6 Licensed waste sites

Records within 500m	10

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

Features are displayed on the Waste and landfill map on **page 35 >**

ID	Location	Details		
A	**On site**	**Site Name: Former Mearclough House** **Site Address: -** **Correspondence Address: High Level Way, Pellon Lane, Halifax, West Yorkshire, HX1 4PN**	**Type of Site: Household, Commercial & Industrial Waste T Stn** **Size: Unknown** **Environmental Permitting Regulations (Waste) Licence Number: MRR003** **EPR reference: -** **Operator: Calder Valley Skip Hire Ltd** **Waste Management licence No: 60793** **Annual Tonnage: 0**	**Issue Date: 27/07/1995** **Effective Date: -** **Modified: -** **Surrendered Date: -** **Expiry Date: -** **Cancelled Date: -** **Status: Issued**
A	**On site**	**Site Name: Former Mearclough House** **Site Address: Calder Valley Skip Hire Limited, Former Mearclough House, Mearclough Road / Fall Lane, Sowerby Bridge, West Yorkshire, HX6 2AY** **Correspondence Address: -**	**Type of Site: Household, Commercial & Industrial Waste T Stn** **Size: 25000 tonnes** **Environmental Permitting Regulations (Waste) Licence Number: 639186** **EPR reference: EA/EPR/NP3699ZH** **Operator: Calder Valley Skip Hire Limited** **Waste Management licence No: 60793** **Annual Tonnage: 5000**	**Issue Date: 27/07/1995** **Effective Date: 27/07/1995** **Modified: -** **Surrendered Date: -** **Expiry Date: -** **Cancelled Date: 27/07/1995** **Status: Issued**
A	8m W	Site Name: Yard 2 Mearclough Road Site Address: Rizwan Khalid, Yard 2, Mearclough Road, Sowerby Bridge, HX63LF Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE5996AA/A001 Operator: Rizwan Khalid Waste Management licence No: 120147 Annual Tonnage: -	Issue Date: 30/03/2020 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
A	12m E	Site Name: Milner Royd Household Waste Site Site Address: Mearclough Road, Sowerby Bridge, Halifax, West Yorkshire, HX6 2AY Correspondence Address: Northgate House, Northgate, Halifax, HX1 1UN	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAL008 EPR reference: - Operator: Calderdale Metropolitan Borough Council Waste Management licence No: 60809 Annual Tonnage: 0	Issue Date: 01/04/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	12m E	Site Name: Milner Royd Household Waste Site Site Address: Mearclough Road, Sowerby Bridge, Halifax, West Yorkshire, HX6 2AY Correspondence Address: Brook House, Oldham Road, Middleton, Manchester, M24 1AY	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FOC007 EPR reference: - Operator: Focsa Services (uk) Ltd Waste Management licence No: 60809 Annual Tonnage: 0	Issue Date: 01/04/1996 Effective Date: 01/11/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	12m E	Site Name: Milner Royd Household Waste Site Site Address: Mearclough Road, Sowerby Bridge, Halifax, West Yorkshire, HX6 2AY Correspondence Address: Battinson Road Depot, Halifax, West Yorkshire, HX1 4PL	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FOC007 EPR reference: - Operator: Focsa Services (uk) Ltd Waste Management licence No: 60809 Annual Tonnage: 7499	Issue Date: 01/04/1996 Effective Date: 01/11/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	12m E	Site Name: Milner Royd Household Waste Site Site Address: Land/premises At, Mearclough Road, Sowerby Bridge, Halifax, West Yorkshire, HX6 2AY Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT295 EPR reference: EA/EPR/AP3493SJ/T002 Operator: Sita U K Ltd Waste Management licence No: 60809 Annual Tonnage: 7499	Issue Date: 01/04/1996 Effective Date: 01/08/2008 Modified: - Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Transferred

ID	Location	Details		
A	12m E	Site Name: Milner Royd Household Waste Site Site Address: Suez Recycling And Recovery Uk Ltd, Land/premises At, Meerclough Road, Sowerby Bridge, Halifax, West Yorkshire, HX6 2AY Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649405 EPR reference: EA/EPR/AP3493SJ Operator: Suez Recycling And Recovery Uk Ltd Waste Management licence No: 60809 Annual Tonnage: 7499	Issue Date: 01/04/1996 Effective Date: 01/04/1996 Modified: 01/04/1996 Surrendered Date: - Expiry Date: - Cancelled Date: 01/04/1996 Status: Issued
3	256m NW	Site Name: Causey Holme Works Site Address: Bradley & Holmes Limited, Chapel Lane, Sowerby Bridge, West Yorkshire, HX6 3LF Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 635240 EPR reference: EA/EPR/HP3699ZM Operator: Bradley & Holmes Limited Waste Management licence No: 60751 Annual Tonnage: 1199	Issue Date: 06/04/1990 Effective Date: 06/04/1990 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 06/04/1990 Status: Surrendered
C	315m NW	Site Name: Bolton Brow Vehicle Dismantler Site Address: Trevor Musgrove, Land/ Premises At, Chapel Lane, Sowerby Bridge, Halifax, West Yorkshire, HX6 3LF Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 639925 EPR reference: EA/EPR/CP3799ZB Operator: Trevor Musgrove Waste Management licence No: 60773 Annual Tonnage: 312	Issue Date: 04/03/1993 Effective Date: 04/03/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 04/03/1993 Status: Issued

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

3.7 Waste exemptions

Records within 500m	**4**

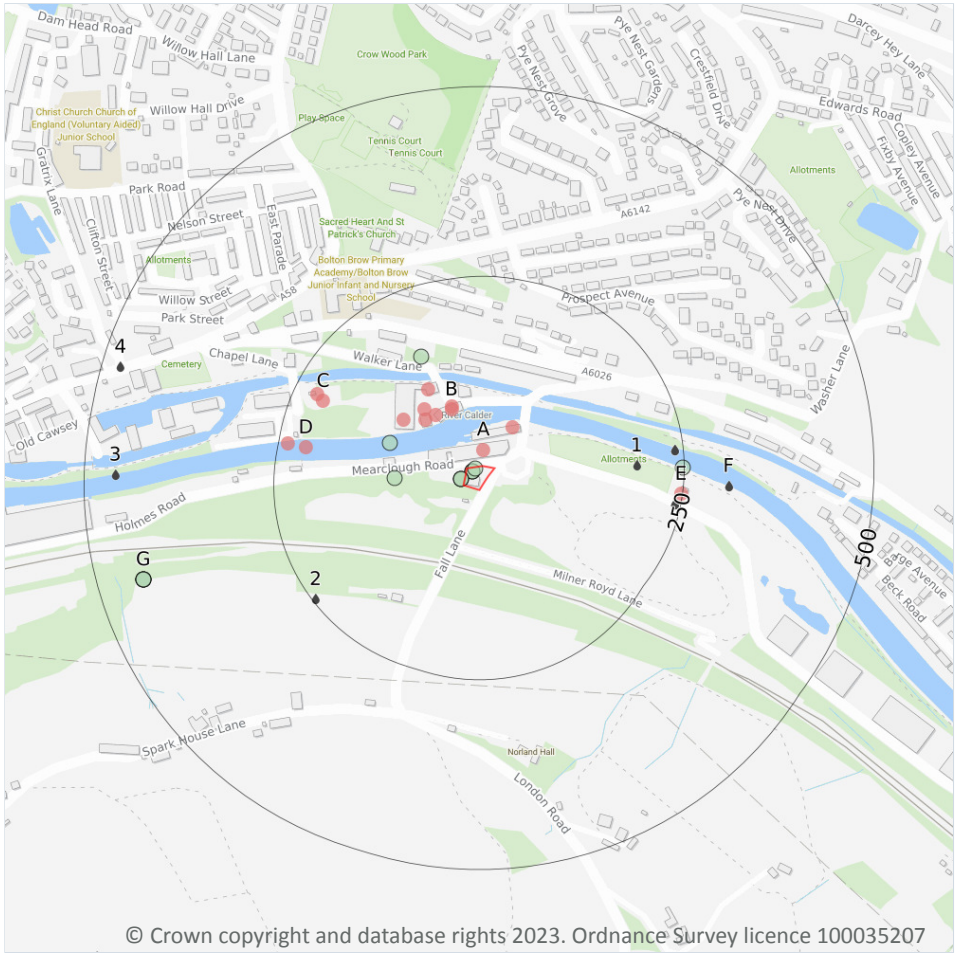
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 35 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	32m W	Yard 1 Holmes Road SOWERBY BRIDGE West Yorkshire HX6 3LF	EPR/KE5189WY/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	355m NW	1, WAKEFIELD ROAD, SOWERBY BRIDGE, HX6 2AP	WEX187840	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	355m NW	1, WAKEFIELD ROAD, SOWERBY BRIDGE, HX6 2AP	WEX304661	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	355m NW	1, WAKEFIELD ROAD, SOWERBY BRIDGE, HX6 2AP	WEX316272	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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

Licensed Discharges to controlled waters

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	14

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 42 >**

ID	Location	Company	Address	Activity	Category
A	22m N	Sarz Breaker	Unit 2, Mearclough Works, Mearclough Road, Sowerby Bridge, West Yorkshire, HX6 3LF	Scrap Metal Merchants	Recycling Services
A	58m NE	Flowhire	Riverside, Fall Lane, Sowerby Bridge, West Yorkshire, HX6 2AY	Measurement and Inspection Equipment	Industrial Products

ID	Location	Company	Address	Activity	Category
B	80m N	The Halifax Iron Works Ltd	-, Walker Lane, Sowerby Bridge, West Yorkshire, HX6 2AR	Cutting, Drilling and Welding Services	Construction Services
B	81m NW	Works	West Yorkshire, HX6	Unspecified Works Or Factories	Industrial Features
B	84m NW	C J Autos	Unit 14 Hillas Industrial Estate, Walker Lane, Sowerby Bridge, West Yorkshire, HX6 2AR	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	84m N	Works	West Yorkshire, HX6	Unspecified Works Or Factories	Industrial Features
B	96m NW	Industrial Estate	West Yorkshire, HX6	Business Parks and Industrial Estates	Industrial Features
B	105m NW	Newa Vehicle Refinish	Unit 9 Hillas Industrial Estate, Walker Lane, Sowerby Bridge, West Yorkshire, HX6 2AR	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	115m NW	Clough Signs	Unit 2 Hillas Industrial Estate, Walker Lane, Sowerby Bridge, West Yorkshire, HX6 2AR	Signs	Industrial Products
C	209m NW	Electricity Sub Station	West Yorkshire, HX6	Electrical Features	Infrastructure and Facilities
D	214m W	Gas Works	West Yorkshire, HX6	Gas Features	Infrastructure and Facilities
C	220m NW	Gas Valve Compound	West Yorkshire, HX6	Gas Features	Infrastructure and Facilities
D	237m W	Electricity Sub Station	West Yorkshire, HX6	Electrical Features	Infrastructure and Facilities
E	248m E	Pumping Station	West Yorkshire, HX6	Water Pumping Stations	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	0

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

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	15

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 42 >**

ID	Location	Address	Details	
1	187m E	MEARCLOUGH WORKS, OFF WAKEFIELD RD, SOWERY BRIDGE, WEST YORKSHIRE, HX6 2AR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 1725 Permit Version: 1 Receiving Water: RIVER CALDER	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 19/02/1964 Effective Date: 19/02/1964 Revocation Date: -
E	238m E	SOWERBY BRIDGE SEWAGE PUMPING STN, CANAL ROAD/FALL LANE (OFF), SOWERBY BRIDGE, WEST YORKSHIRE, HX2 7HP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7389 Permit Version: 2 Receiving Water: RIVER CALDER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/09/1998 Effective Date: 09/09/1998 Revocation Date: 31/10/2022
E	238m E	SOWERBY BRIDGE SEWAGE PUMPING STN, CANAL ROAD/FALL LANE (OFF), SOWERBY BRIDGE, WEST YORKSHIRE, HX2 7HP	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7389 Permit Version: 1 Receiving Water: RIVER CALDER	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/03/1998 Effective Date: 09/03/1998 Revocation Date: 08/09/1998
E	238m E	SOWERBY BRIDGE SEWAGE PUMPING STN, CANAL ROAD/FALL LANE (OFF), SOWERBY BRIDGE, WEST YORKSHIRE, HX2 7HP	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7389 Permit Version: 2 Receiving Water: RIVER CALDER	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/09/1998 Effective Date: 09/09/1998 Revocation Date: 31/10/2022
E	238m E	SOWERBY BRIDGE SEWAGE PUMPING STN, CANAL ROAD/FALL LANE (OFF), SOWERBY BRIDGE, WEST YORKSHIRE, HX2 7HP	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7389 Permit Version: 1 Receiving Water: RIVER CALDER	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/03/1998 Effective Date: 09/03/1998 Revocation Date: 08/09/1998
E	241m E	MILNER ROYD STW, SOWERBY BRIDGE, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: E738(SS) Permit Version: 2 Receiving Water: RIVER CALDER	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 21/11/1989 Effective Date: 21/11/1989 Revocation Date: 31/03/1992

ID	Location	Address	Details	
E	241m E	MILNER ROYD STW, SOWERBY BRIDGE, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: E738(SS) Permit Version: 2 Receiving Water: RIVER CALDER	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 21/11/1989 Effective Date: 21/11/1989 Revocation Date: 31/03/1992
E	241m E	MILNER ROYD STW, SOWERBY BRIDGE, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: E738(SS) Permit Version: 3 Receiving Water: RIVER CALDER	Status: REVOKED - UNSPECIFIED Issue date: 21/11/1989 Effective Date: 01/04/1992 Revocation Date: 02/06/1999
E	241m E	MILNER ROYD STW, SOWERBY BRIDGE, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: E738(SS) Permit Version: 3 Receiving Water: RIVER CALDER	Status: REVOKED - UNSPECIFIED Issue date: 21/11/1989 Effective Date: 01/04/1992 Revocation Date: 02/06/1999
E	241m E	MILNER ROYD STW, SOWERBY BRIDGE, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: E738(SS) Permit Version: 1 Receiving Water: RIVER CALDER	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 16/12/1981 Effective Date: 16/12/1981 Revocation Date: 20/11/1989
2	246m SW	STATION ROAD, SOWERBY BRIDGEEAGLE WORKS, WEST YORKSHIRE, .OXFORD, .., HX6OX2 6EE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRAB3490EJ Permit Version: 1 Receiving Water: GROUNDWATER VIA SOAKAWAY	Status: NEW ISSUED UNDER EPR 2010 Issue date: 19/03/2014 Effective Date: 19/03/2014 Revocation Date: -
F	309m E	SOWERBY BRIDGE SEWAGE PUMPING STN, CANAL ROAD/FALL LANE (OFF), SOWERBY BRIDGE, WEST YORKSHIRE, HX2 7HP	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7389 Permit Version: 3 Receiving Water: RIVER CALDER	Status: VARIED UNDER EPR 2010 Issue date: 01/11/2022 Effective Date: 01/11/2022 Revocation Date: -

ID	Location	Address	Details	
F	309m E	SOWERBY BRIDGE SEWAGE PUMPING STN, CANAL ROAD/FALL LANE (OFF), SOWERBY BRIDGE, WEST YORKSHIRE, HX2 7HP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7389 Permit Version: 3 Receiving Water: RIVER CALDER	Status: VARIED UNDER EPR 2010 Issue date: 01/11/2022 Effective Date: 01/11/2022 Revocation Date: -
3	459m W	WHARFE HOUSE CSO, BOLTON BROW (OFF), SOWERBY BRIDGE, WEST YORKSHIRE, HX6 2AL	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: WRA8420 Permit Version: 2 Receiving Water: RIVER CALDER	Status: VARIED UNDER EPR 2010 Issue date: 15/12/2016 Effective Date: 14/12/2016 Revocation Date: -
4	475m W	WHARFE HOUSE CSO, BOLTON BROW (OFF), SOWERBY BRIDGE, WEST YORKSHIRE, HX6 2AL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC729 Permit Version: 1 Receiving Water: WARLEY CLOUGH	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 18/09/1989 Effective Date: 18/09/1989 Revocation Date: 19/03/2008

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	16

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 42 >**

ID	Location	Details	
A	**On site**	**Incident Date: 03/03/2003** **Incident Identification: 140733** **Pollutant: Specific Waste Materials:Specific Waste Materials** **Pollutant Description: Household Waste:Tyres**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 3 (Minor)** **Air Impact: Category 4 (No Impact)**
A	**On site**	**Incident Date: 03/03/2003** **Incident Identification: 140733** **Pollutant: Specific Waste Materials** **Pollutant Description: Tyres**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 3 (Minor)** **Air Impact: Category 4 (No Impact)**
A	**On site**	**Incident Date: 03/03/2003** **Incident Identification: 140733** **Pollutant: Specific Waste Materials** **Pollutant Description: Household Waste**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 3 (Minor)** **Air Impact: Category 4 (No Impact)**
A	**On site**	**Incident Date: 03/03/2003** **Incident Identification: 140489** **Pollutant: Inert Materials and Wastes** **Pollutant Description: Construction and Demolition Materials and Wastes**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 3 (Minor)** **Air Impact: Category 4 (No Impact)**
A	4m W	Incident Date: 30/01/2003 Incident Identification: 134215 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
A	4m W	Incident Date: 30/01/2003 Incident Identification: 134215 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

ID	Location	Details	
A	4m W	Incident Date: 30/01/2003 Incident Identification: 134215 Pollutant: Atmospheric Pollutants and Effects:Contaminated Water Pollutant Description: Smoke:Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	91m W	Incident Date: 19/05/2002 Incident Identification: 79719 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	106m W	Incident Date: 10/11/2003 Incident Identification: 200677 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	159m NW	Incident Date: 03/09/2003 Incident Identification: 187018 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	248m E	Incident Date: 29/07/2003 Incident Identification: 177497 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	439m W	Incident Date: 09/11/2001 Incident Identification: 41989 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	439m W	Incident Date: 28/09/2001 Incident Identification: 33609 Pollutant: Organic Chemicals/Products Pollutant Description: Dyes and Inks	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	439m W	Incident Date: 11/06/2001 Incident Identification: 8405 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	439m W	Incident Date: 17/08/2002 Incident Identification: 101151 Pollutant: Sewage Materials Pollutant Description: Other Sewage Material	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	439m W	Incident Date: 11/06/2001 Incident Identification: 8405 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

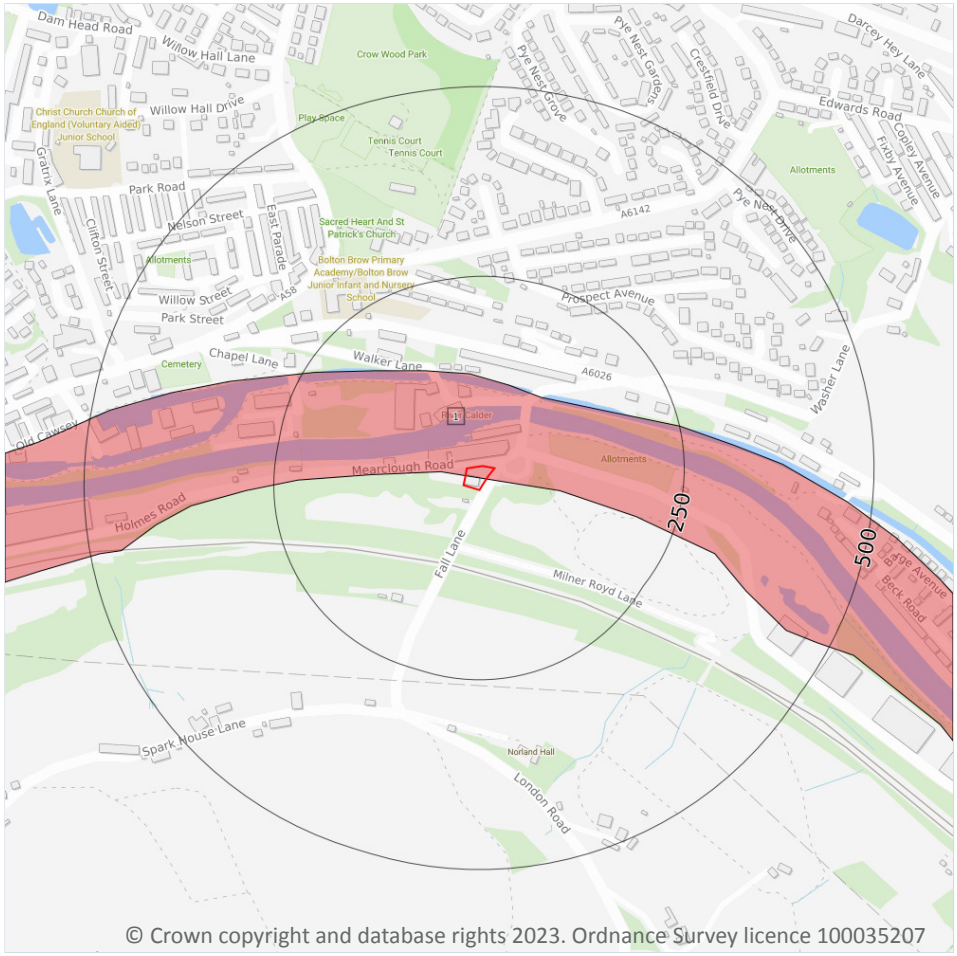
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	1

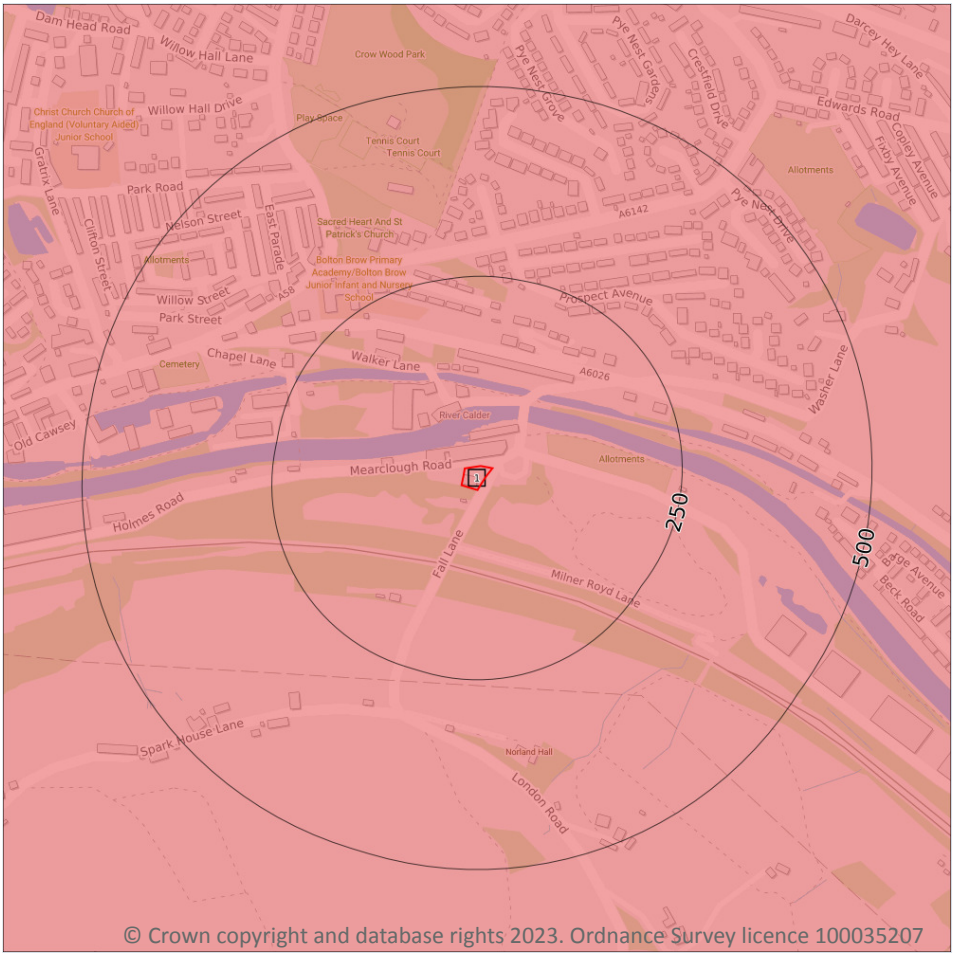
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 52 >**

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

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	1

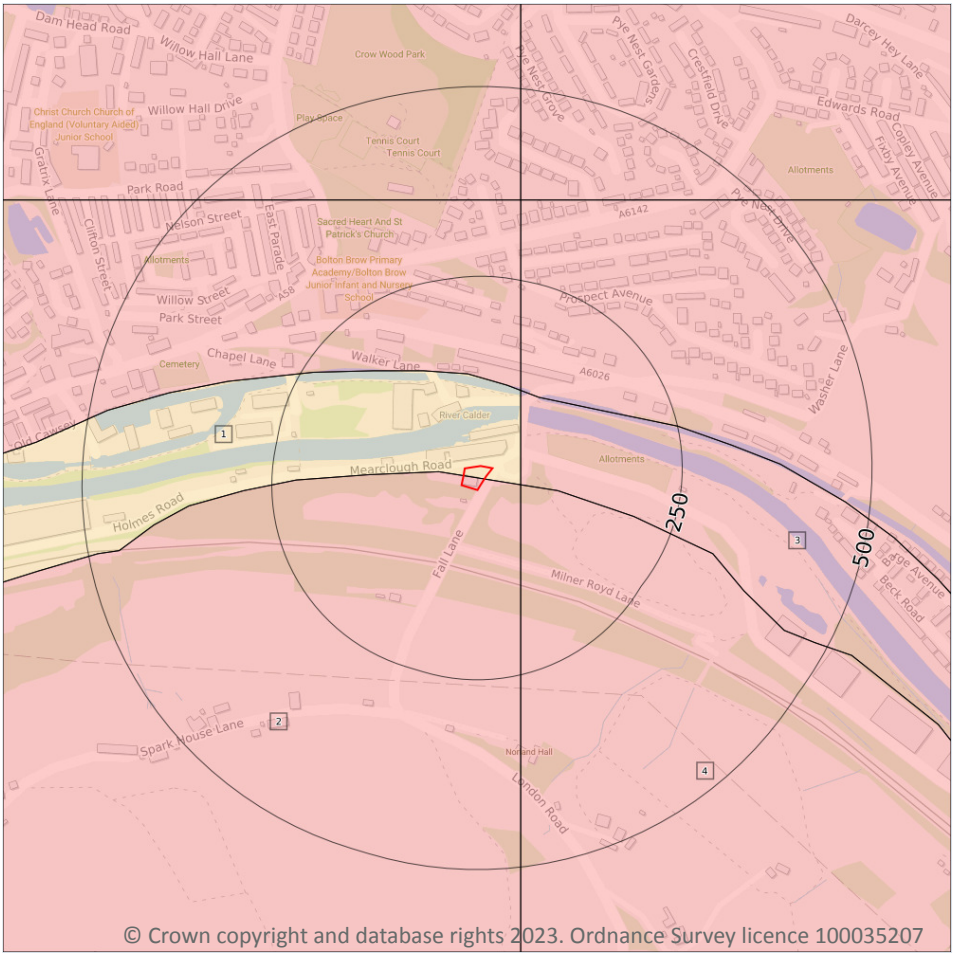
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 53 >**

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

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

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

Bedrock vulnerability

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

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	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 54 >**

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: >550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	**On site**	**Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: >550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
3	37m E	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	43m E	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	**0**

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones

Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	30

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 57 >**

ID	Location	Details	
-	832m S	Status: Historical Licence No: 2/27/12/234 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING Data Type: Point Name: OGDEN Easting: 407100 Northing: 422800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/05/1966 Version End Date: -
-	832m S	Status: Historical Licence No: 2/27/12/234 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING - GREENHEAD - NORLAND Data Type: Point Name: OGDEN Easting: 407100 Northing: 422800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/05/1966 Version End Date: -
-	904m W	Status: Historical Licence No: 2/27/12/027 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - SOWERBY BRIDGE - MILLSTONE GRIT Data Type: Point Name: THE SUNLIGHT SERVICES GROUP LTD Easting: 406060 Northing: 423350	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 03/04/2000 Version End Date: -
-	904m W	Status: Historical Licence No: 2/27/12/027 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - SOWERBY BRIDGE Data Type: Point Name: THE SUNLIGHT SERVICES GROUP LTD Easting: 406060 Northing: 423350	Annual Volume (m^3): 85000 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 03/04/2000 Version End Date: -

ID	Location	Details	
-	1072m W	Status: Historical Licence No: 2/27/12/002 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: SCOTLAND FLG -- BOREHOLE Data Type: Point Name: CALDER CARBONISING CO LTD Easting: 405900 Northing: 423300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1072m W	Status: Historical Licence No: 2/27/12/002 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT/SCOTLAND FLAG - SOWERBY BRIDGE Data Type: Point Name: CALDER CARBONISING CO LTD Easting: 405900 Northing: 423300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1173m S	Status: Historical Licence No: 2/27/12/263 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: WAITE Easting: 407300 Northing: 422500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/07/1968 Expiry Date: - Issue No: 100 Version Start Date: 24/07/1968 Version End Date: -
-	1173m S	Status: Historical Licence No: 2/27/12/263 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - NORLAND - SOWERBY BRIDGE Data Type: Point Name: WAITE Easting: 407300 Northing: 422500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/07/1968 Expiry Date: - Issue No: 100 Version Start Date: 24/07/1968 Version End Date: -

ID	Location	Details	
-	1361m SW	Status: Historical Licence No: 2/27/12/289 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-HUDDERSFIELD WHITE RK Data Type: Point Name: RYBURN GOLF CLUB Easting: 406200 Northing: 422470	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 04/12/1978 Expiry Date: - Issue No: 100 Version Start Date: 04/12/1978 Version End Date: -
-	1361m SW	Status: Historical Licence No: 2/27/12/289 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HUDDERSFIELD WHITE ROCK Data Type: Point Name: RYBURN GOLF CLUB Easting: 406200 Northing: 422470	Annual Volume (m^3): 1253 Max Daily Volume (m^3): 31 Original Application No: - Original Start Date: 04/12/1978 Expiry Date: - Issue No: 100 Version Start Date: 04/12/1978 Version End Date: -
-	1485m NE	Status: Active Licence No: 2/27/12/287 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - ROUGH ROCK - HALIFAX Data Type: Point Name: THE MCVITIE CAKE CO Easting: 407710 Northing: 424930	Annual Volume (m^3): 10000 Max Daily Volume (m^3): 55 Original Application No: 5508 Original Start Date: 03/02/1978 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1485m NE	Status: Historical Licence No: 2/27/12/287 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - ROUGH ROCK Data Type: Point Name: THE MCVITIE CAKE CO Easting: 407710 Northing: 424930	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 03/02/1978 Expiry Date: - Issue No: 100 Version Start Date: 03/02/1978 Version End Date: -

ID	Location	Details	
-	1485m NE	Status: Historical Licence No: 2/27/12/287 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - ROUGH ROCK Data Type: Point Name: THE MCVITIE CAKE CO Easting: 407710 Northing: 424930	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 03/02/1978 Expiry Date: - Issue No: 100 Version Start Date: 03/02/1978 Version End Date: -
-	1485m NE	Status: Historical Licence No: 2/27/12/287 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - ROUGH ROCK - HALIFAX Data Type: Point Name: THE MCVITIE CAKE CO Easting: 407710 Northing: 424930	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 03/02/1978 Expiry Date: - Issue No: 100 Version Start Date: 03/02/1978 Version End Date: -
-	1485m NE	Status: Historical Licence No: 2/27/12/287 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE - ROUGH ROCK - HALIFAX Data Type: Point Name: THE MCVITIE CAKE CO Easting: 407710 Northing: 424930	Annual Volume (m^3): 10000 Max Daily Volume (m^3): 55 Original Application No: - Original Start Date: 03/02/1978 Expiry Date: - Issue No: 100 Version Start Date: 03/02/1978 Version End Date: -
-	1652m SW	Status: Active Licence No: 2/27/12/336/R01 Details: Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - SOWERBY BRIDGE Data Type: Point Name: ROSEHILL POLYMERS LTD Easting: 405467 Northing: 422842	Annual Volume (m^3): 35000 Max Daily Volume (m^3): 250 Original Application No: NPS/WR/016648 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -

ID	Location	Details	
-	1652m SW	Status: Historical Licence No: 2/27/12/336 Details: Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - SOWERBY BRIDGE Data Type: Point Name: ROSEHILL POLYMERS LTD Easting: 405467 Northing: 422842	Annual Volume (m^3): 78000 Max Daily Volume (m^3): 250 Original Application No: - Original Start Date: 06/06/2005 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 06/06/2005 Version End Date: -
-	1654m SW	Status: Historical Licence No: 2/27/12/336 Details: Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - SOWERBY BRIDGE Data Type: Point Name: ROSEHILL POLYMERS LTD Easting: 405460 Northing: 422850	Annual Volume (m^3): 78000 Max Daily Volume (m^3): 250 Original Application No: - Original Start Date: 06/06/2005 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 06/06/2005 Version End Date: -
-	1694m E	Status: Active Licence No: 2/27/12/338/R01 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: Crossleyans Club Ltd Easting: 408587 Northing: 423165	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: NPS/WR/016987 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	1694m E	Status: Active Licence No: 2/27/12/338/R01 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: Crossleyans Club Ltd Easting: 408587 Northing: 423165	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: NPS/WR/016987 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	1694m E	Status: Historical Licence No: 2/27/12/338 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408587 Northing: 423165	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 05/12/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 05/12/2007 Version End Date: -

ID	Location	Details	
-	1694m E	Status: Historical Licence No: 2/27/12/338 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408587 Northing: 423165	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 05/12/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 05/12/2007 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: THE OLD CROSSLEYANS CLUB C/O ADRIAN MOORE SECRETARY Easting: 408590 Northing: 423160	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: THE OLD CROSSLEYANS CLUB C/O ADRIAN MOORE SECRETARY Easting: 408590 Northing: 423160	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -

ID	Location	Details	
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/338 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 05/12/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 05/12/2007 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/338 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 05/12/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 05/12/2007 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	10

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 57 >**

ID	Location	Details	
1	399m E	Status: Active Licence No: NE/027/0012/037 Details: Supply To A Canal For Throughflow Direct Source: SURFACE WATER Point: SOWERBY BRIDGE, HALIFAX Data Type: Point Name: Canal and River Trust Easting: 407358 Northing: 423590	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/NA/000738 Original Start Date: 26/03/2021 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 26/03/2021 Version End Date: -
-	725m SE	Status: Historical Licence No: 2/27/12/214 Details: Non-Evaporative Cooling Direct Source: SURFACE WATER Point: RIVER CALDER Data Type: Line Name: SIDDALL & HILTON LIMITED Easting: 407870 Northing: 423200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/05/1996 Version End Date: -
-	725m SE	Status: Historical Licence No: 2/27/12/214 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER Data Type: Line Name: SIDDALL & HILTON LIMITED Easting: 407870 Northing: 423200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/05/1996 Version End Date: -

ID	Location	Details	
-	725m SE	Status: Historical Licence No: 2/27/12/214 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER - SOWERBY BRIDGE Data Type: Line Name: CALDERDALE MBC Easting: 407870 Northing: 423200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 27/03/2003 Version End Date: -
-	725m SE	Status: Historical Licence No: 2/27/12/214 Details: Non-Evaporative Cooling Direct Source: SURFACE WATER Point: RIVER CALDER - SOWERBY BRIDGE Data Type: Line Name: CALDERDALE MBC Easting: 407870 Northing: 423200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 27/03/2003 Version End Date: -
-	797m W	Status: Historical Licence No: 2/27/12/266 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER CALDER-SOWERBY BRIDGE Data Type: Point Name: DUGDALE PLC Easting: 406130 Northing: 423530	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/05/1970 Expiry Date: - Issue No: 101 Version Start Date: 11/03/2005 Version End Date: -
-	797m W	Status: Historical Licence No: 2/27/12/266 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER CALDER - SOWERBY BRIDGE Data Type: Point Name: DUGDALE PLC Easting: 406130 Northing: 423530	Annual Volume (m^3): 45461 Max Daily Volume (m^3): 152.7 Original Application No: - Original Start Date: 27/05/1970 Expiry Date: - Issue No: 101 Version Start Date: 11/03/2005 Version End Date: -

ID	Location	Details	
-	831m W	Status: Historical Licence No: 2/27/12/266 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER CALDER Data Type: Point Name: S DUGDALE SON & CO Easting: 406100 Northing: 423500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/05/1970 Expiry Date: - Issue No: 100 Version Start Date: 27/05/1970 Version End Date: -
-	835m NW	Status: Historical Licence No: 2/27/12/065 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: SPRING - WARLEY CLOUGH Data Type: Point Name: FKI CABLEFORM LTD Easting: 406300 Northing: 424200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/07/1977 Version End Date: -
-	861m W	Status: Historical Licence No: 2/27/12/266 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER CALDER - SOWERBY BRIDGE Data Type: Point Name: Dugdale Ltd Easting: 406064 Northing: 423547	Annual Volume (m^3): 45461 Max Daily Volume (m^3): 152.7 Original Application No: - Original Start Date: 27/05/1970 Expiry Date: - Issue No: 102 Version Start Date: 15/05/2014 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**6**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 57 >**

ID	Location	Details	
-	1694m E	Status: Active Licence No: 2/27/12/338/R01 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: Crossleyans Club Ltd Easting: 408587 Northing: 423165	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: NPS/WR/016987 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	1694m E	Status: Historical Licence No: 2/27/12/338 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408587 Northing: 423165	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 05/12/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 05/12/2007 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: THE OLD CROSSLEYANS CLUB C/O ADRIAN MOORE SECRETARY Easting: 408590 Northing: 423160	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -

ID	Location	Details	
-	1698m E	Status: Historical Licence No: 2/27/12/320 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 11/08/1998 Expiry Date: 31/10/2007 Issue No: 100 Version Start Date: 11/08/1998 Version End Date: -
-	1698m E	Status: Historical Licence No: 2/27/12/338 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HALIFAX Data Type: Point Name: THE OLD CROSSLEYANS CLUB Easting: 408590 Northing: 423160	Annual Volume (m^3): 7650 Max Daily Volume (m^3): 50 Original Application No: - Original Start Date: 05/12/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 05/12/2007 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	**0**

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

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

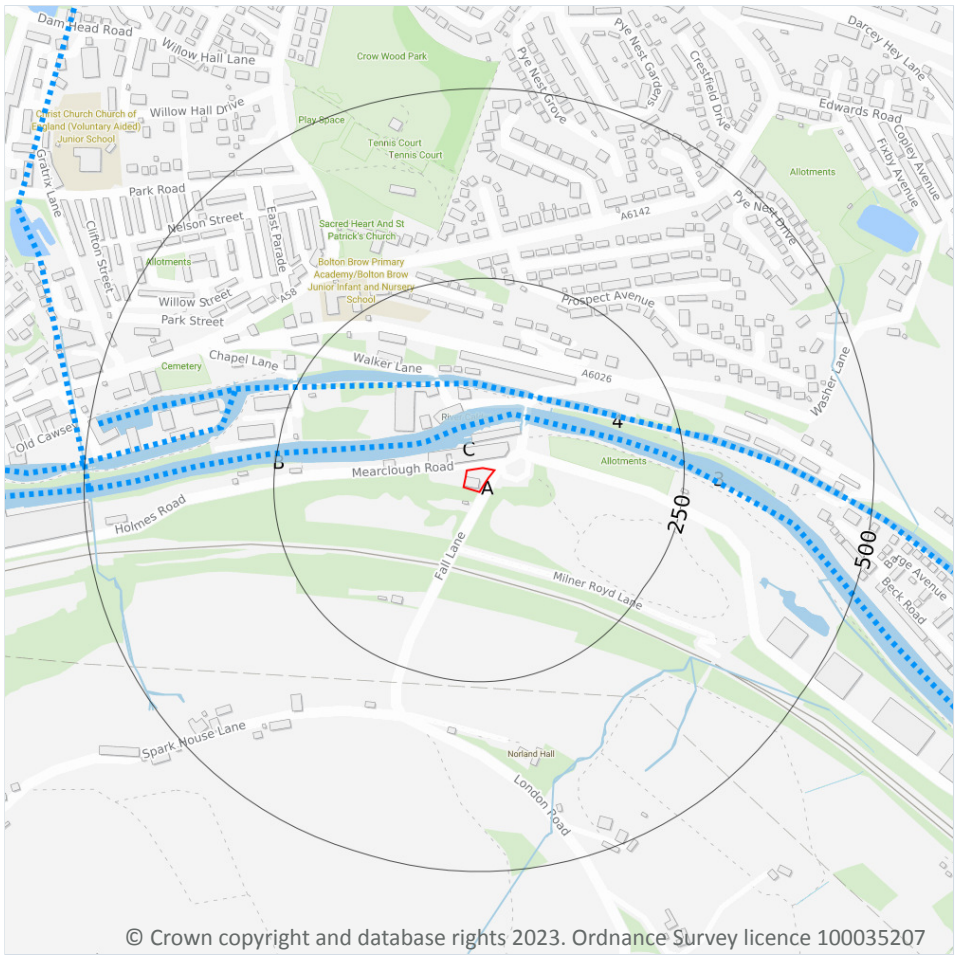
5.10 Source Protection Zones (confined aquifer)

Records within 500m	**0**

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

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

6 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	8

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 70 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
C	35m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	53m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Calder
C	54m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Calder
C	63m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	80m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Calder
3	97m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Calder
C	97m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	105m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Calder and Hebble Navigation

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	5

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 70 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1

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

Features are displayed on the Hydrology map on **page 70 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Calder from Ryburn Confluence to River Colne**	**GB104027062642**	**Calder Middle**	**Aire and Calder**

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

6.4 WFD Surface water bodies

Records identified	**2**

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 70 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	55m NW	River	Calder from Ryburn Confluence to River Colne	GB104027062642 ↗	Moderate	Fail	Moderate	2019
C	106m N	Canal	Rochdale Canal, eastern section	GB70410243 ↗	Moderate	Fail	Good	2019

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

6.5 WFD Groundwater bodies

Records on site	**1**

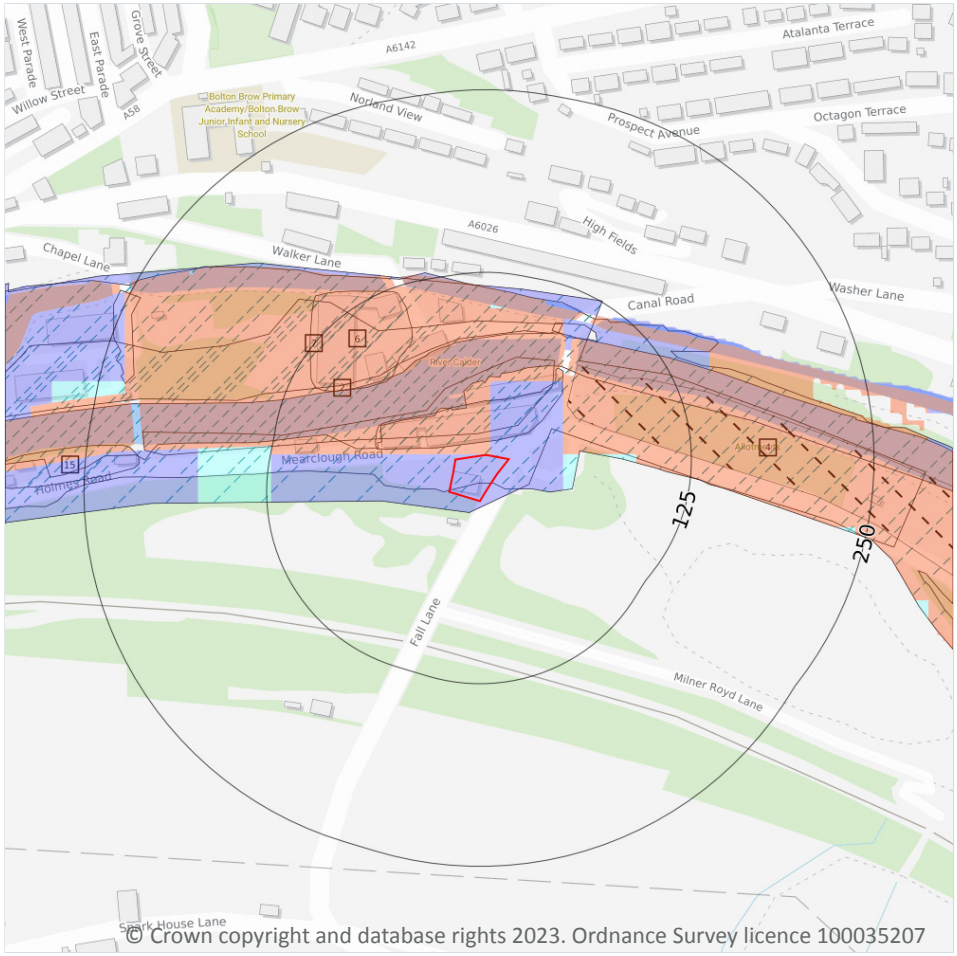
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 70 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.**	**GB40402G700400** ↗	**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	3

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).

Features are displayed on the River and coastal flooding map on **page 74 >**

Distance	Flood risk category
On site	**Medium**
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m	**8**

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

Features are displayed on the River and coastal flooding map on **page 74 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
2	**On site**	**December 2015 Flood Event**	**2015-12-25 2015-12-29**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
A	**On site**	**December 2015 Flood Event**	**2015-12-25 2015-12-29**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
A	9m N	2020 February Flood Incident - Storm Ciara/dennis	2020-02-08 2020-03-19	Main river	Channel capacity exceeded (no raised defences)	Fluvial
A	15m N	123 June 2000 - Calder Sowerby Bridge	2000-06-03 2000-06-30	Main river	Overtopping of defences	Fluvial
A	33m NW	2020 February Flood Incident - Storm Ciara/dennis	2020-02-08 2020-03-19	Main river	Channel capacity exceeded (no raised defences)	Fluvial
6	71m NW	2020 February Flood Incident - Storm Ciara/dennis	2020-02-08 2020-03-19	Main river	Channel capacity exceeded (no raised defences)	Fluvial
7	76m NW	123 June 2000 - Calder Sowerby Bridge	2000-06-03 2000-06-30	Main river	Overtopping of defences	Fluvial
15	213m W	2020 February Flood Incident - Storm Ciara/dennis	2020-02-08 2020-03-19	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	1

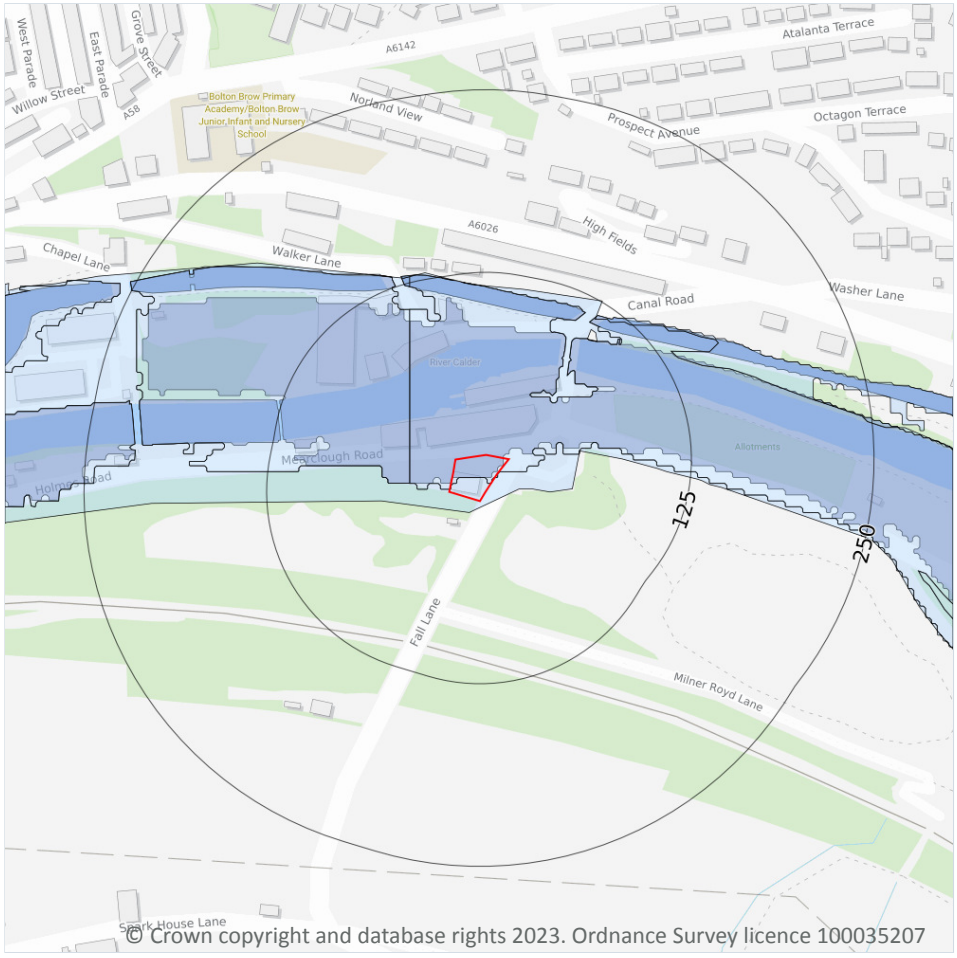
Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

Features are displayed on the River and coastal flooding map on **page 74 >**

ID	Location	Update
4	54m NE	Flood Storage Area

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	1

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.

Features are displayed on the River and coastal flooding map on **page 74 >**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

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

7.7 Flood Zone 3

Records within 50m	1

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.

Features are displayed on the River and coastal flooding map on **page 74 >**

Location	Type
On site	**Zone 3 - (Fluvial Models)**

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

8 Surface water flooding

Site Outline

Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

Highest risk on site	**1 in 250 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, Greater than 1.0m**

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

Features are displayed on the Surface water flooding map on **page 79 >**

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

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

9.1 Groundwater flooding

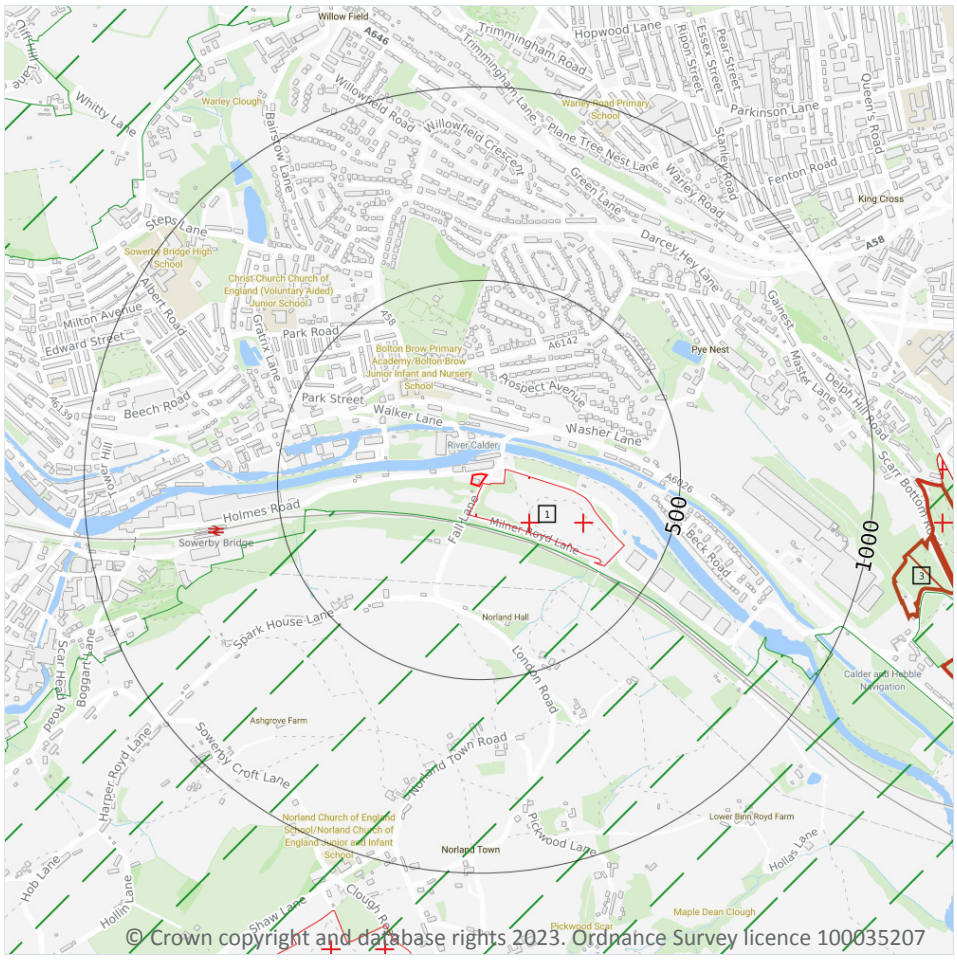
Highest risk on site	**Low**
Highest risk within 50m	**Low**

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 81 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	4

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

Features are displayed on the Environmental designations map on **page 82 >**

ID	Location	Name	Data source
1	5m SE	Milner Royd	Natural England
A	1112m E	Scarr & Long Woods	Natural England
4	1159m S	Norland Moor	Natural England
B	1272m E	Scarr & Long Woods	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	5

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

Features are displayed on the Environmental designations map on **page 82 >**

ID	Location	Name	Woodland Type
3	1085m E	Long Wood	Ancient & Semi-Natural Woodland
A	1112m E	Long Wood	Ancient & Semi-Natural Woodland
B	1272m E	Long Wood	Ancient & Semi-Natural Woodland
-	1351m S	North Dean Wood	Ancient & Semi-Natural Woodland
-	1785m SE	North Dean Wood	Ancient Replanted Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 82 >**

ID	Location	Name	Local Authority name
2	101m S	South and West Yorkshire	Calderdale

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

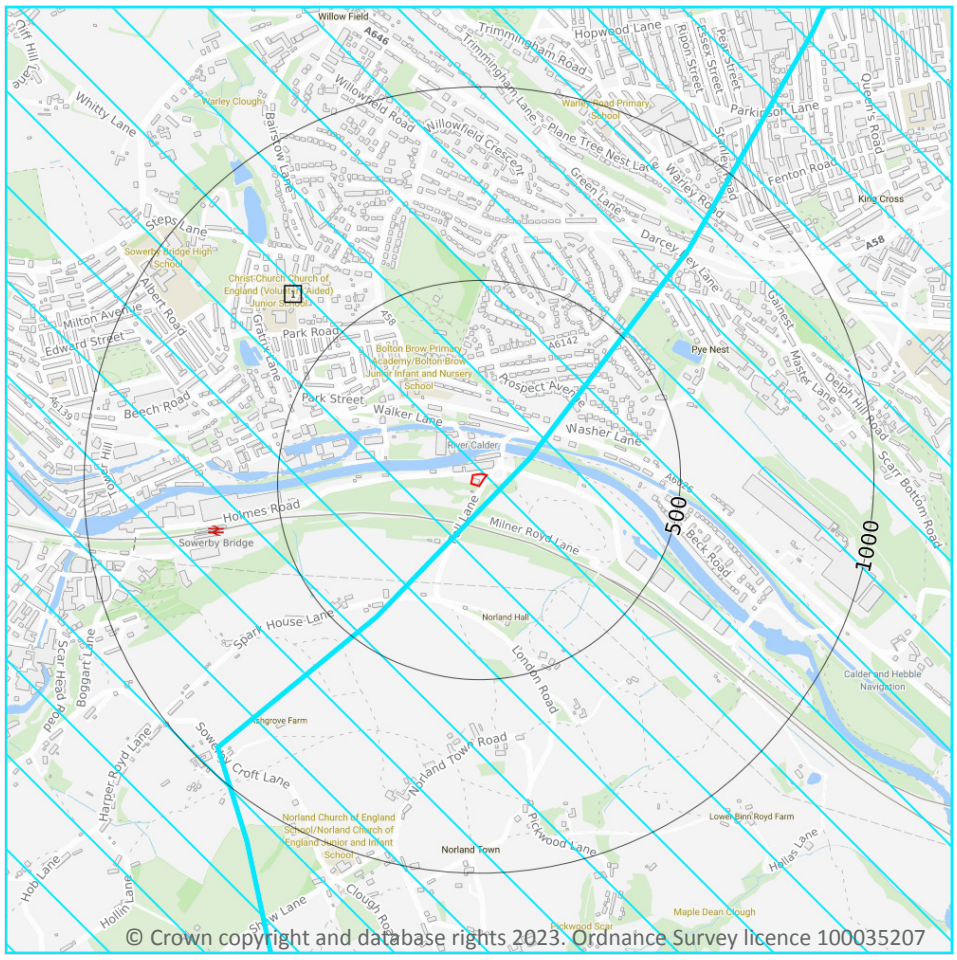
10.16 Nitrate Vulnerable Zones

Records within 2000m	0

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

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 88 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t)** **Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**0**

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

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

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	3

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

Features are displayed on the Visual and cultural designations map on **page 90 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	80m NE	Bridge Over River Calder	II	1366171	19/07/1988
2	108m S	Railway Bridge	II	1134539	19/07/1988
3	219m W	Gas Works Bridge, Over River Calder	II	1184757	19/07/1988

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.

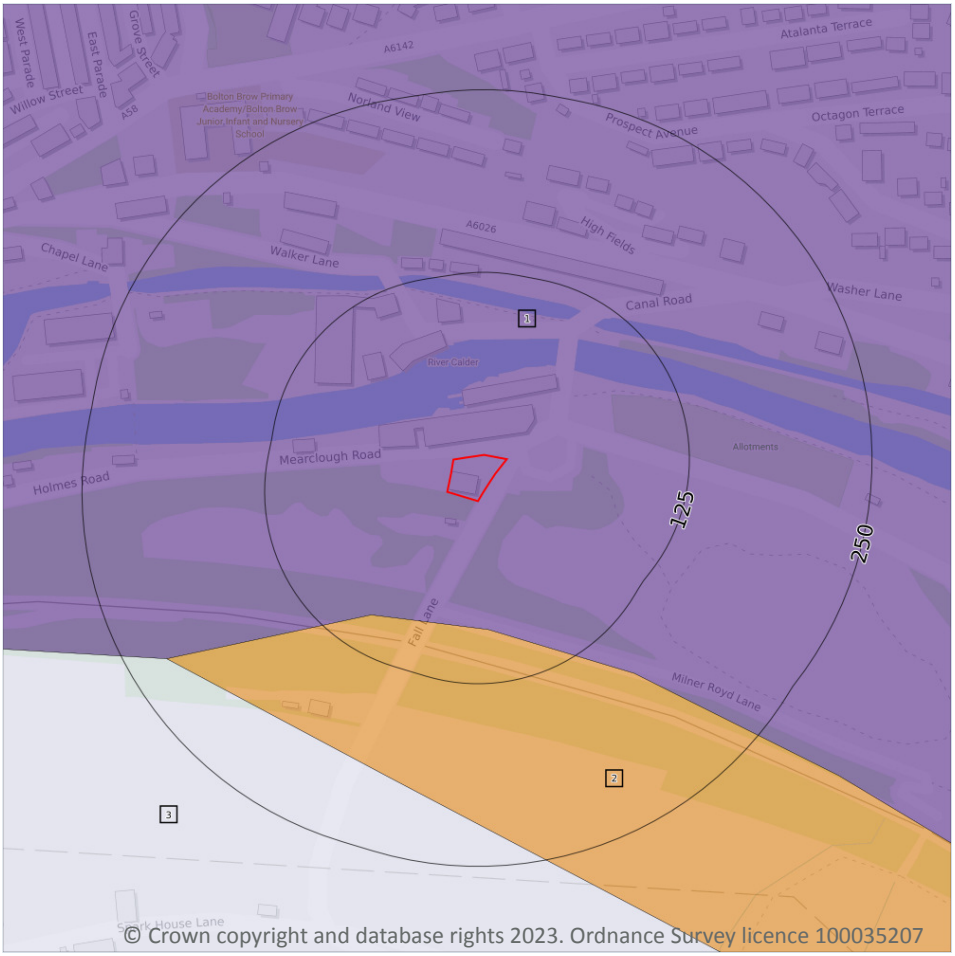
11.7 Registered Parks and Gardens

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	3

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 93 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	-
2	86m S	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

ID	Location	Classification	Description
3	191m SW	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

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	4

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

Features are displayed on the Habitat designations map on **page 96 >**

ID	Location	Main Habitat	Other habitats
1	5m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	82m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	111m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	242m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	2

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 96 >**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
3	107m NW	NLUD Ref: 471000459	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-
5	165m NE	HLD_refs: EAHLD34921	Low	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability

Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	1

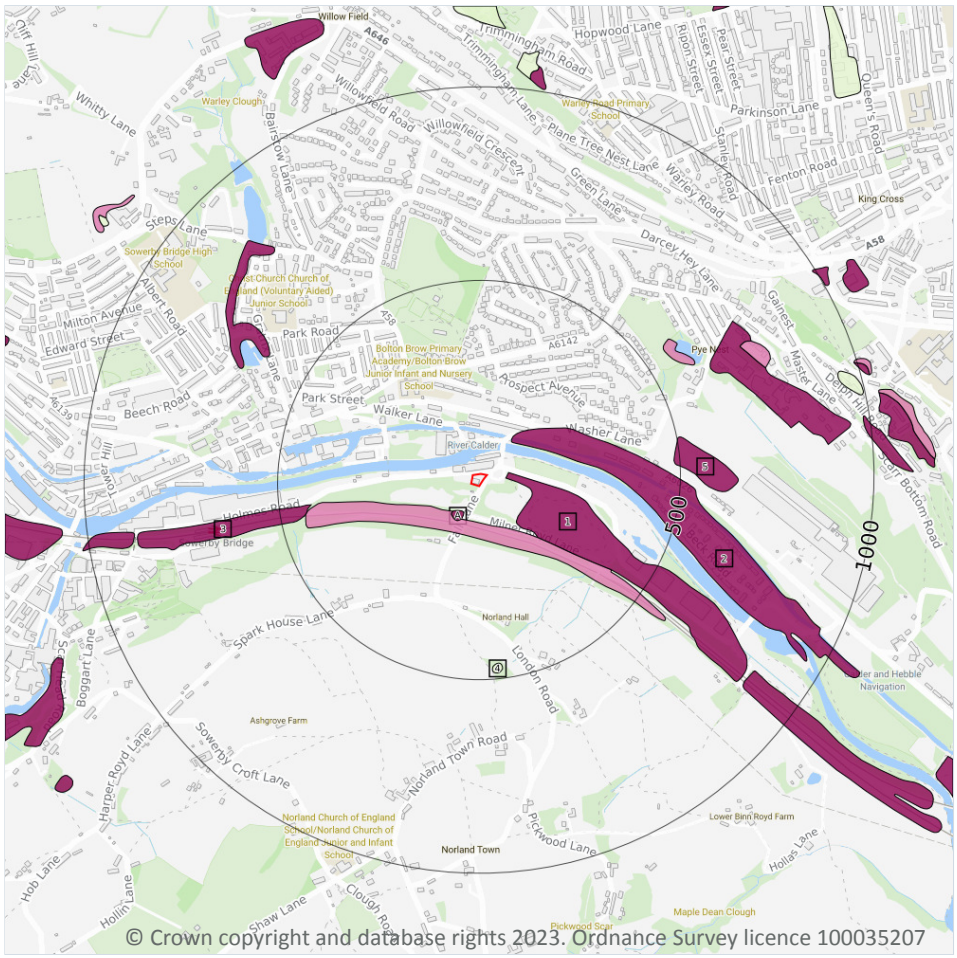
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on page 98 >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE02SE

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	7

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.

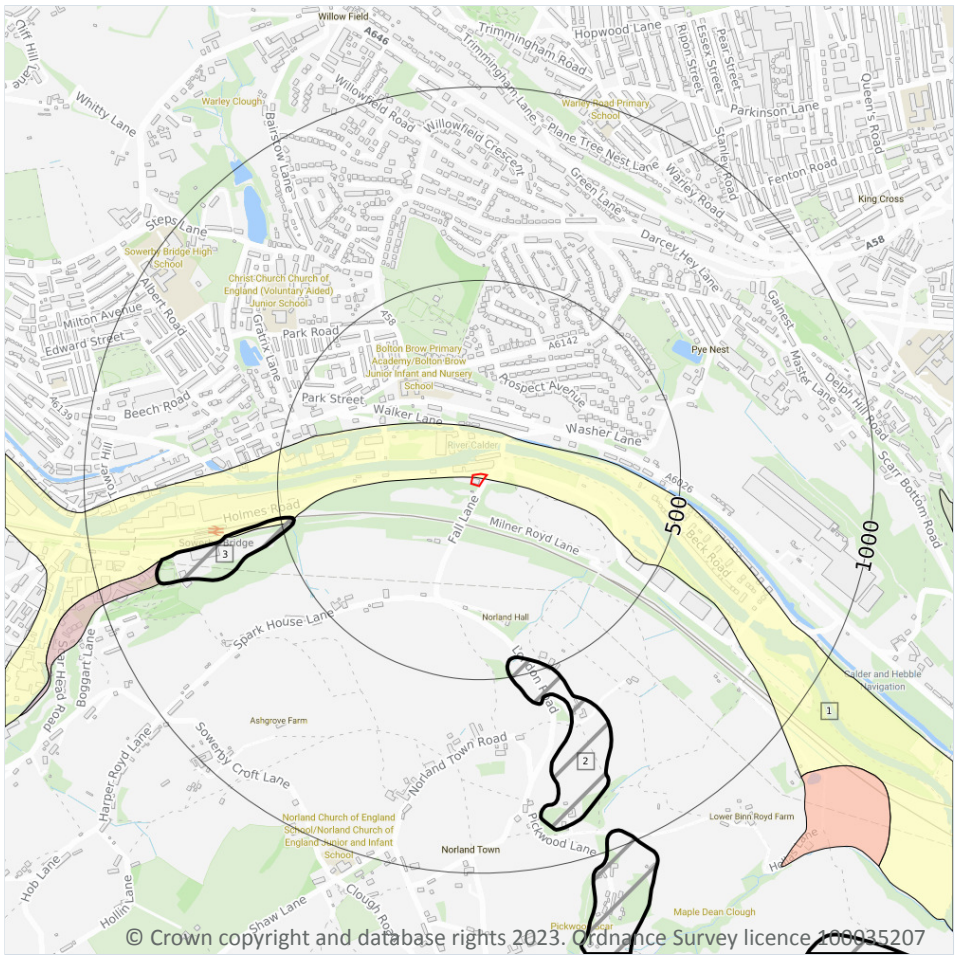
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 99 >**

ID	Location	LEX Code	Description	Rock description
1	49m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	74m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	86m SW	WGR-VOID	Worked Ground (Undivided)	Void
2	107m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
3	417m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	460m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
5	485m E	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 101 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCSV**	**Alluvium - Clay, Sand And Gravel**	**Clay, Sand And Gravel**

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m	2

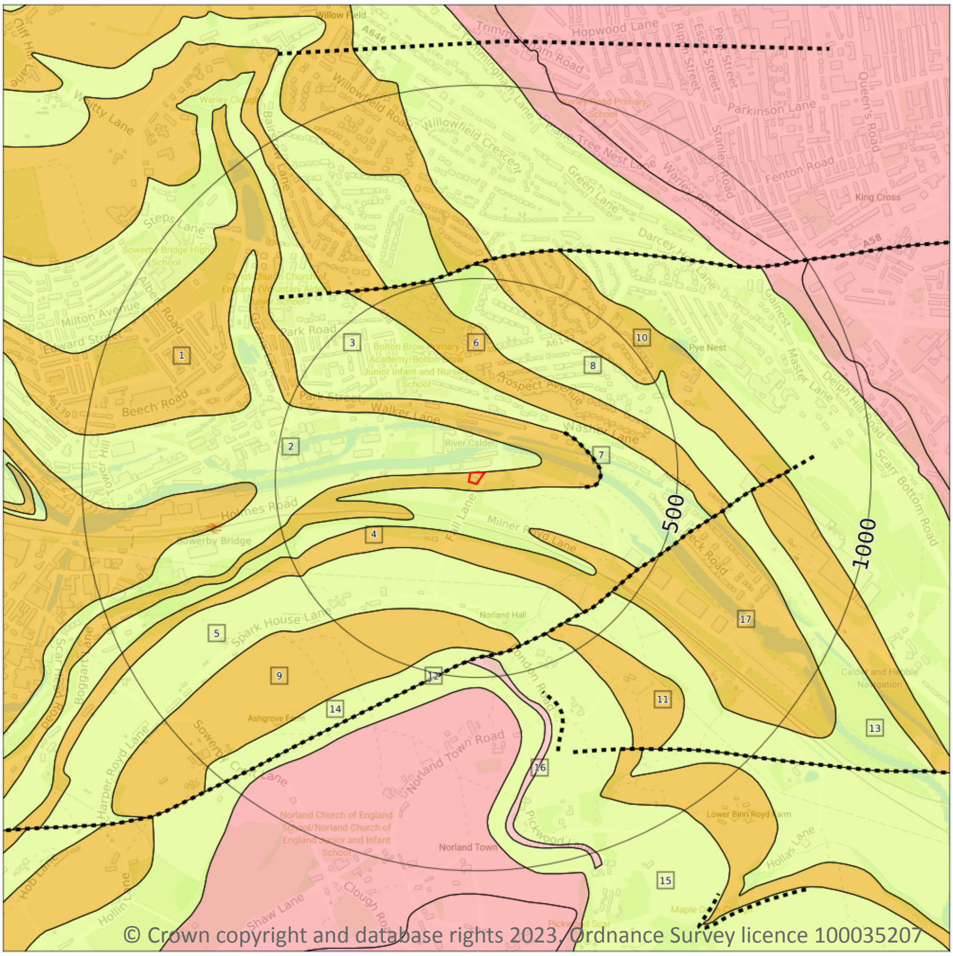
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 101 >**

ID	Location	LEX Code	Description	Rock description
2	452m S	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
3	467m W	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry

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 15

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 103 >

ID	Location	LEX Code	Description	Rock age
1	**On site**	**MGG-SDST**	**Midgley Grit - Sandstone**	**Marsdenian Sub-age**
2	**On site**	**MG-MDSS**	**Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone**	**Namurian Age**
3	18m S	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age

ID	Location	LEX Code	Description	Rock age
4	136m S	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age
5	200m S	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
6	210m NE	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age
8	290m NE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
9	340m S	HDW-SDST	Huddersfield White Rock - Sandstone	Marsdenian Sub-age
10	410m NE	HDW-SDST	Huddersfield White Rock - Sandstone	Marsdenian Sub-age
11	423m SE	HDW-SDST	Huddersfield White Rock - Sandstone	Marsdenian Sub-age
13	423m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
14	425m S	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
15	426m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
16	446m S	MGCY-SDST	Unnamed Sandstone Of Yeadonian Age (in Millstone Grit Group) - Sandstone	Yeadonian Sub-age
17	446m SE	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m **2**

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 103 >**

ID	Location	Category	Description
7	231m NE	ROCK	Coal seam, inferred
12	423m SE	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability

Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

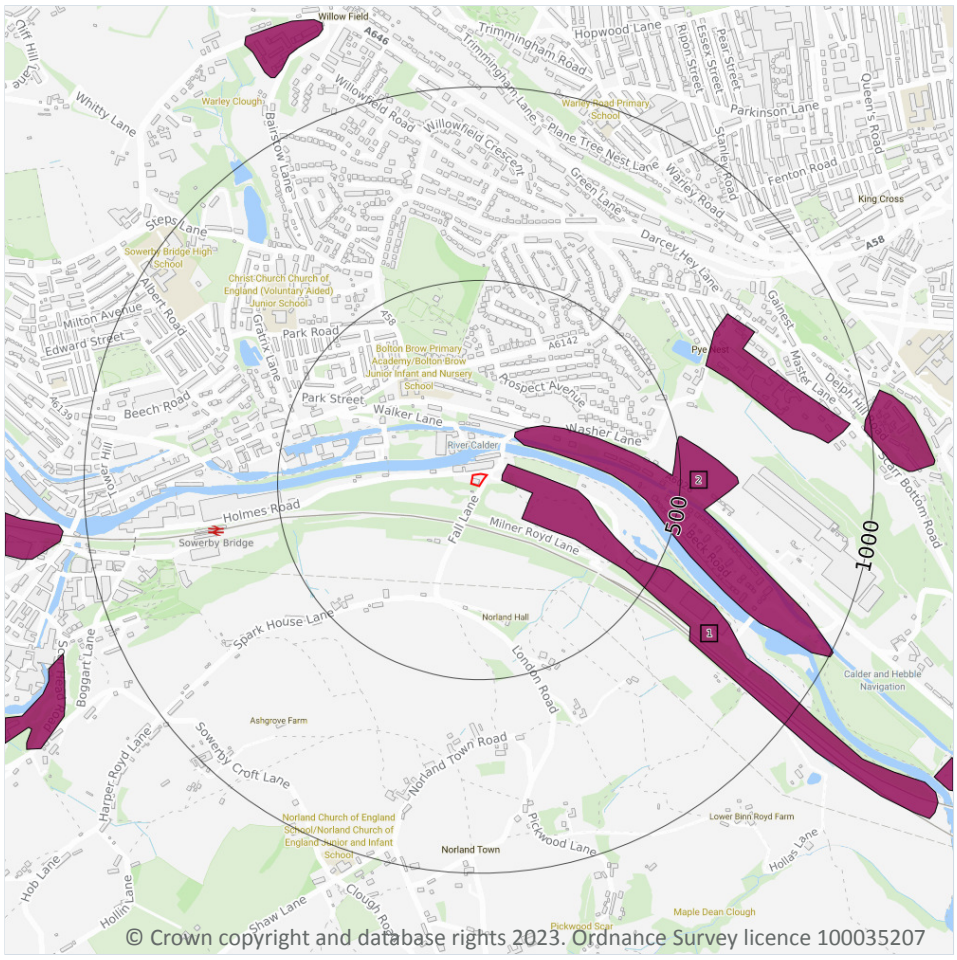
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 105 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW077_huddersfield_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 106 >**

ID	Location	LEX Code	Description	Rock description
1	40m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	121m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

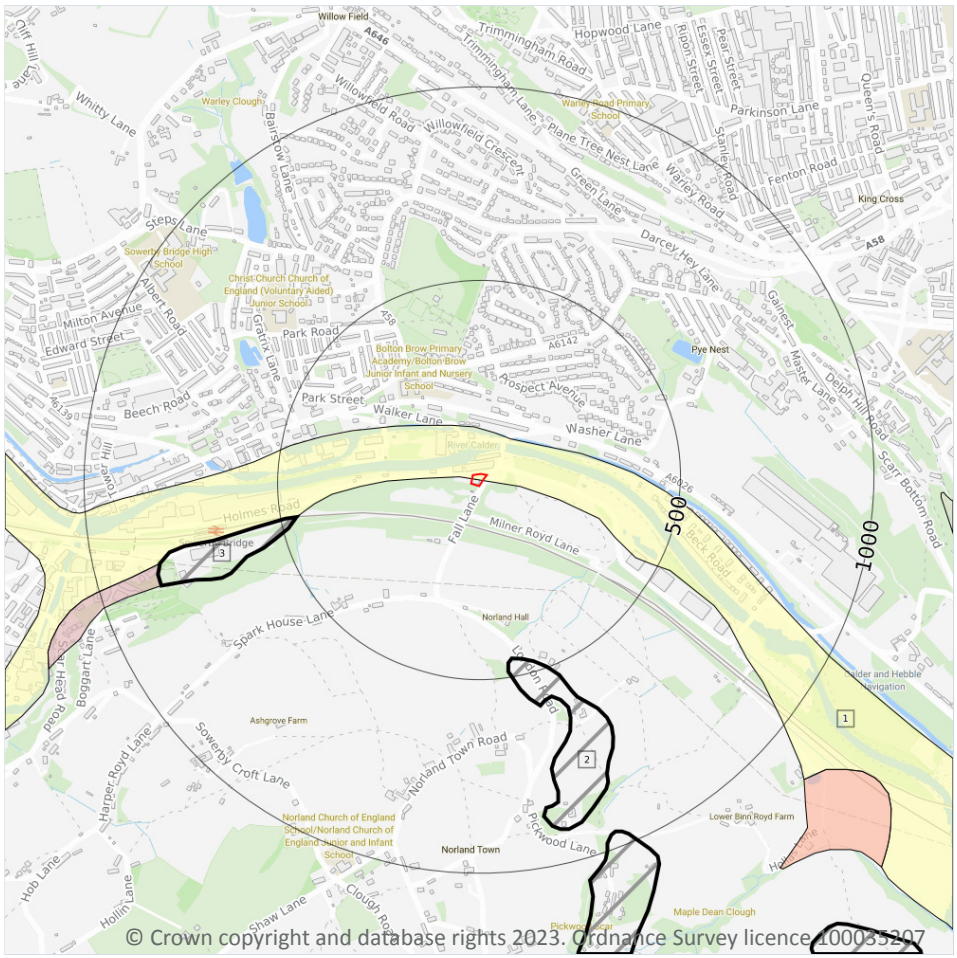
Records within 50m	1

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
40m E	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	1

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 108 >**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1

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**	**Very Low**

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	2

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 108 >**

ID	Location	LEX Code	Description	Rock description
2	453m S	SLIP-UKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY
3	459m W	SLIP-UKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

This data is sourced from the British Geological Survey.

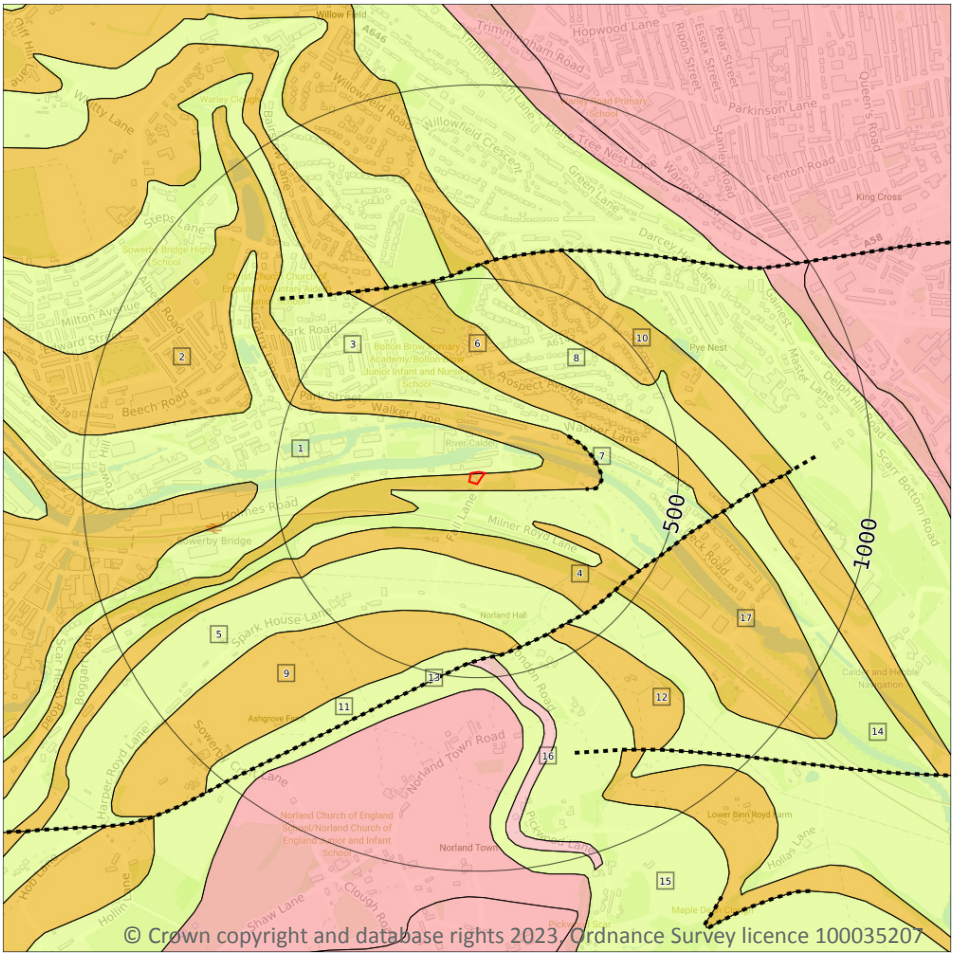
15.7 Landslip permeability (50k)

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 **15**

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 110 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**MG-MDSS**	**MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE**	**NAMURIAN**
2	**On site**	**MGG-SDST**	**MIDGLEY GRIT - SANDSTONE**	**NAMURIAN**
3	17m S	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN

ID	Location	LEX Code	Description	Rock age
4	128m S	GSYG-SDST	GUISELEY GRIT - SANDSTONE	NAMURIAN
5	199m S	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN
6	209m NE	GSYG-SDST	GUISELEY GRIT - SANDSTONE	NAMURIAN
8	288m NE	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN
9	342m S	HDW-SDST	HUDDERSFIELD WHITE ROCK - SANDSTONE	NAMURIAN
10	408m NE	HDW-SDST	HUDDERSFIELD WHITE ROCK - SANDSTONE	NAMURIAN
11	426m S	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN
12	426m SE	HDW-SDST	HUDDERSFIELD WHITE ROCK - SANDSTONE	NAMURIAN
14	427m SE	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN
15	428m SE	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN
16	447m S	MGCY-SDST	UNNAMED SANDSTONE OF YEADONIAN AGE (IN MILLSTONE GRIT GROUP) - SANDSTONE	NAMURIAN
17	449m SE	GSYG-SDST	GUISELEY GRIT - SANDSTONE	NAMURIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **3**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Moderate**	**Low**
On site	**Fracture**	**High**	**Moderate**
17m S	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	2

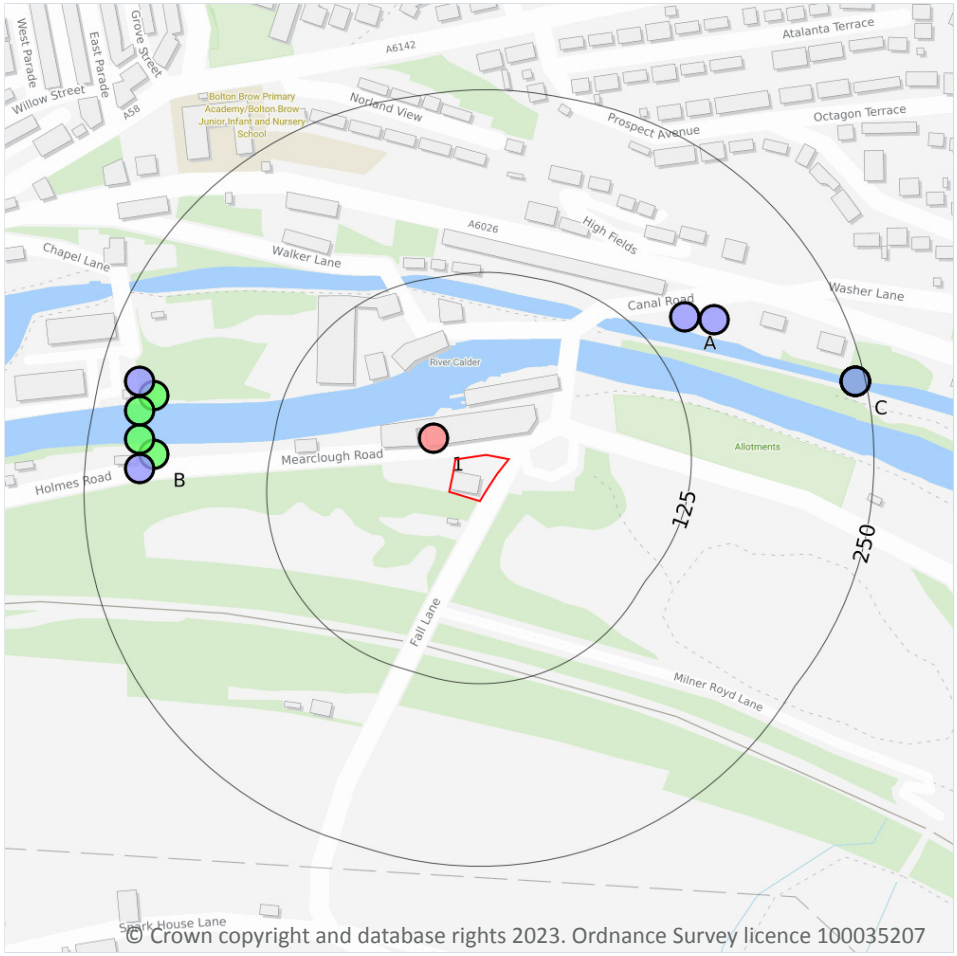
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 110 >**

ID	Location	Category	Description
7	235m NE	ROCK	Coal seam, inferred
13	426m SE	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	15

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.

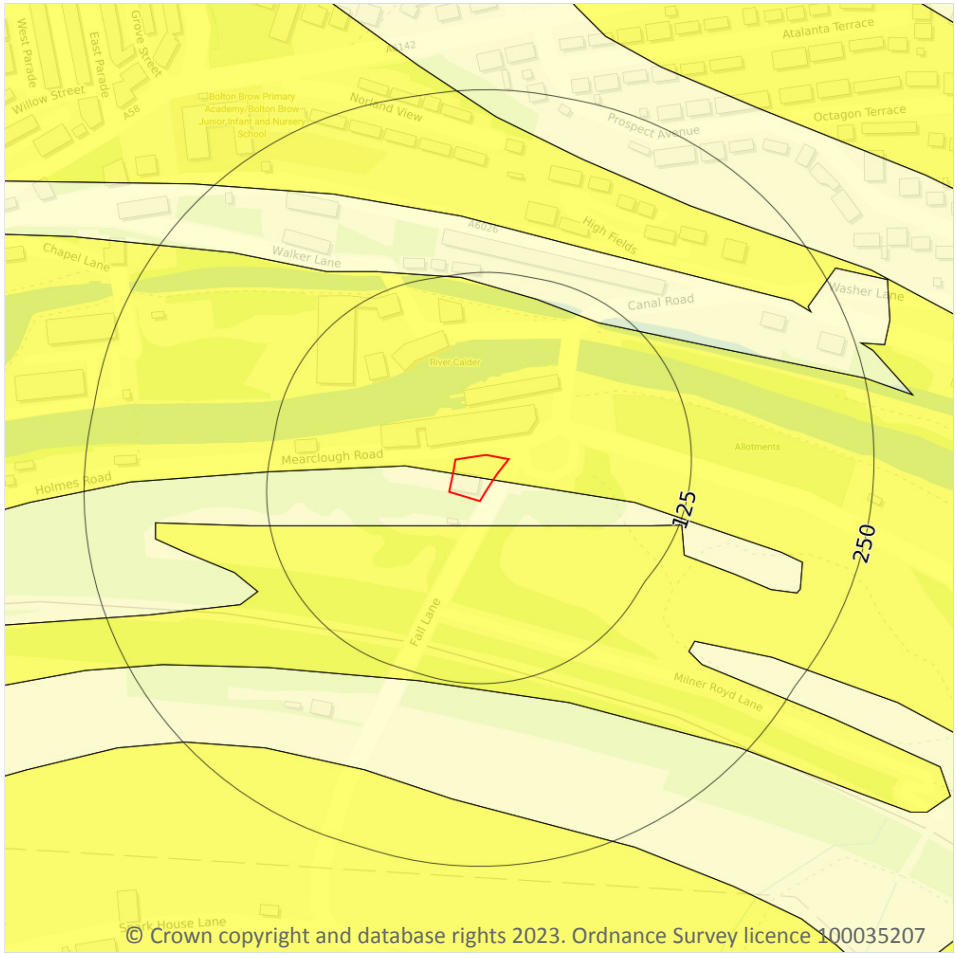
Features are displayed on the Boreholes map on **page 113 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	21m NW	406911 423661	MEARCLOUGH MILLS SOWERBY BRIDGE	42.98	N	37465 ↗
A	155m NE	407083 423744	CANAL RD, SOWERBY BRIDGE 2	3.15	N	18306625 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	170m NE	407103 423742	CANAL RD, SOWERBY BRIDGE 1	3.15	N	18306624 ↗
B	204m W	406720 423650	GASWORKS BRIDGE BH1	11.6	N	37580 ↗
B	211m W	406720 423690	GASWORKS BRIDGE BH2	12.3	N	37581 ↗
B	213m W	406710 423640	GASWORKS BRIDGE TP1	1.0	N	37584 ↗
B	215m W	406710 423660	GASWORKS BRIDGE BH3	13.65	N	37582 ↗
B	219m W	406710 423680	GASWORKS BRIDGE BH4	15.55	N	37583 ↗
B	223m W	406710 423700	GASWORKS BRIDGE TP2	1.0	N	37585 ↗
C	243m E	407200 423700	SALTERHEBBLE SLIP SOWERBY BRIDGE 1	11.0	N	37613 ↗
C	243m E	407200 423700	SALTERHEBBLE SLIP SOWERBY BRIDGE 4	8.3	N	37616 ↗
C	243m E	407200 423700	SALTERHEBBLE SLIP SOWERBY BRIDGE 3	8.7	N	37615 ↗
C	243m E	407200 423700	SALTERHEBBLE SLIP SOWERBY BRIDGE 6	10.3	N	37618 ↗
C	243m E	407200 423700	SALTERHEBBLE SLIP SOWERBY BRIDGE 2	10.6	N	37614 ↗
C	243m E	407200 423700	SALTERHEBBLE SLIP SOWERBY BRIDGE 5	6.6	N	37617 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m	2

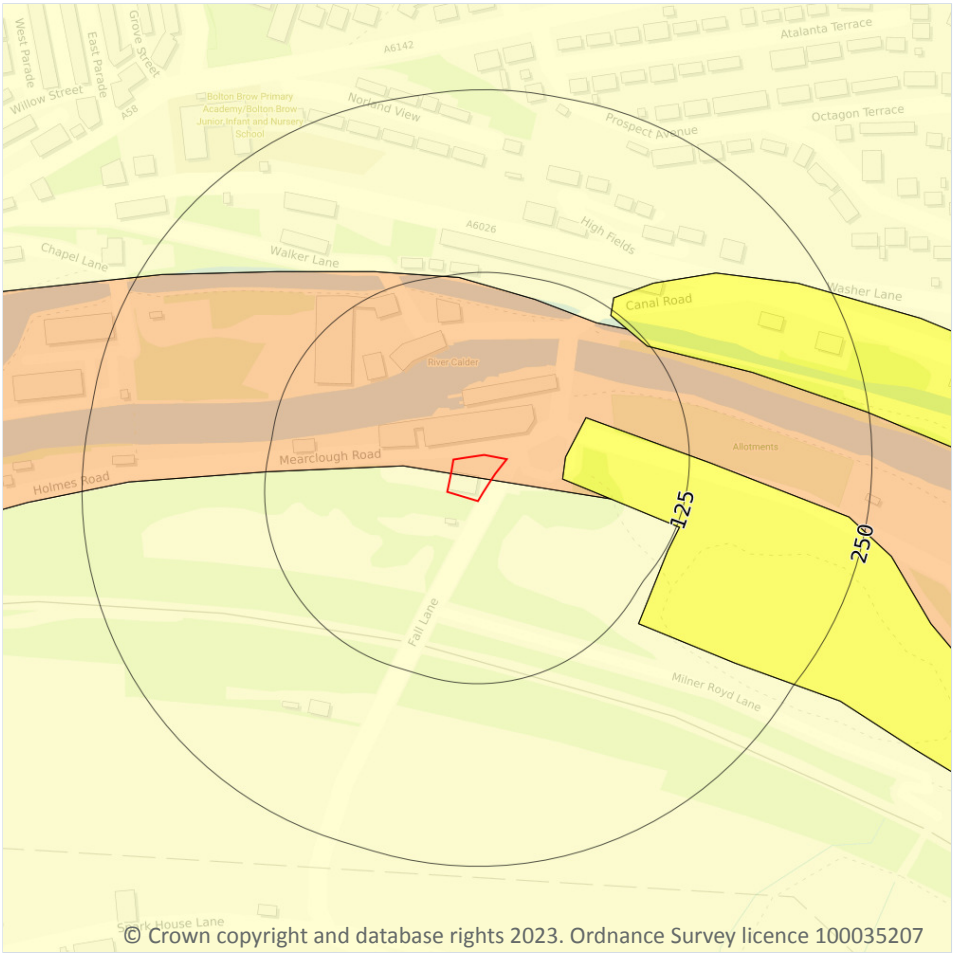
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 115 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m	3

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.

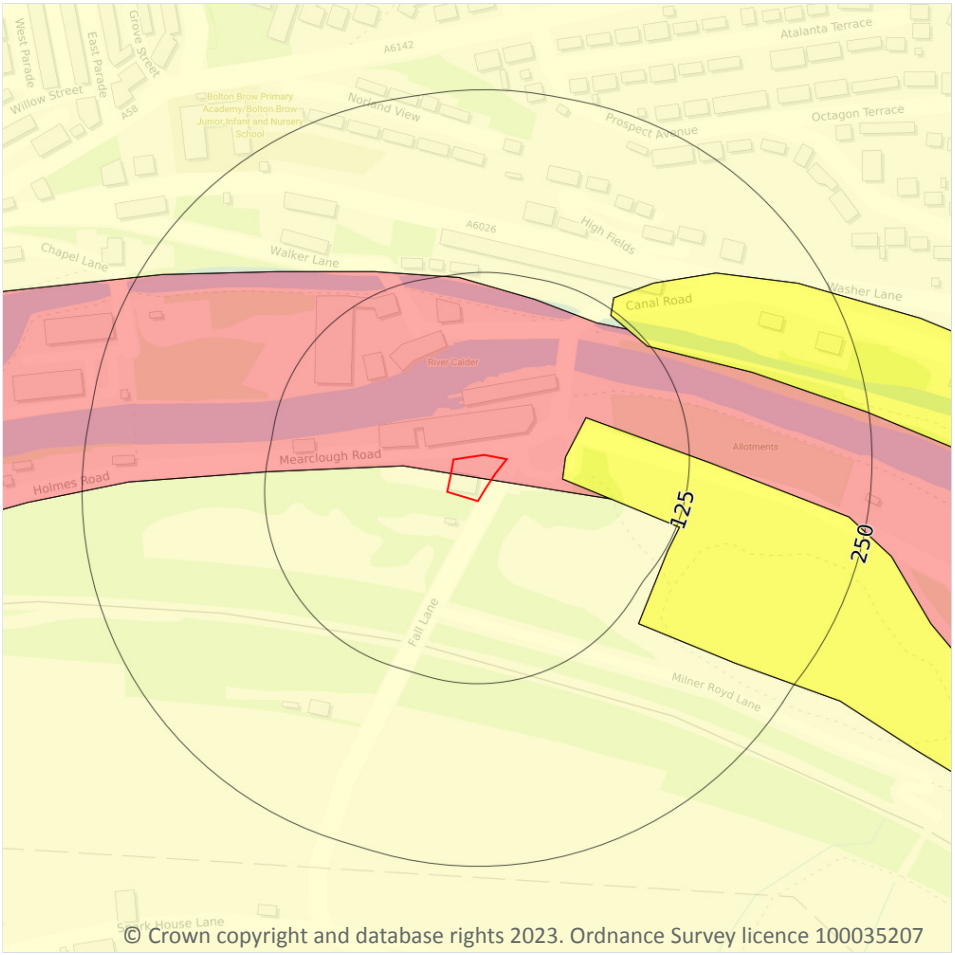
Features are displayed on the Natural ground subsidence - Running sands map on **page 116 >**

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

Location	Hazard rating	Details
On site	**Low**	**Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.**
40m E	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	3

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.

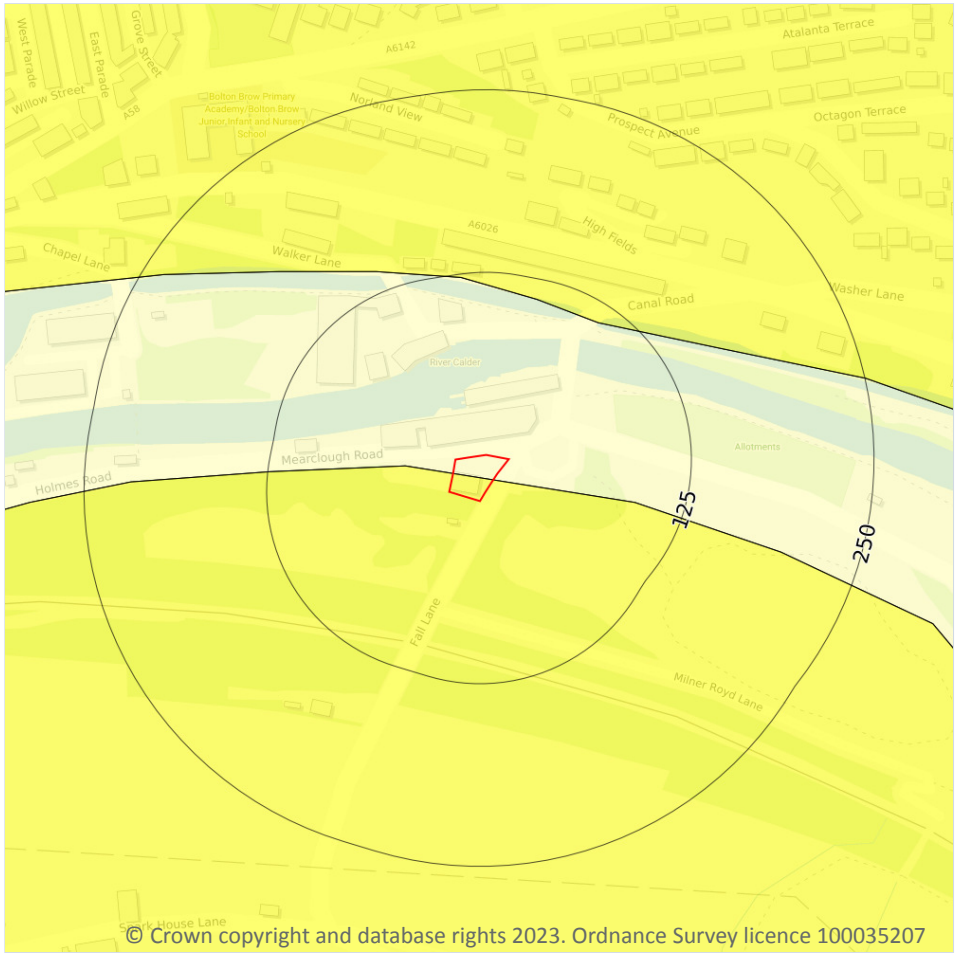
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 118 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
On site	**Moderate**	**Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.**

Location	Hazard rating	Details
40m E	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	2

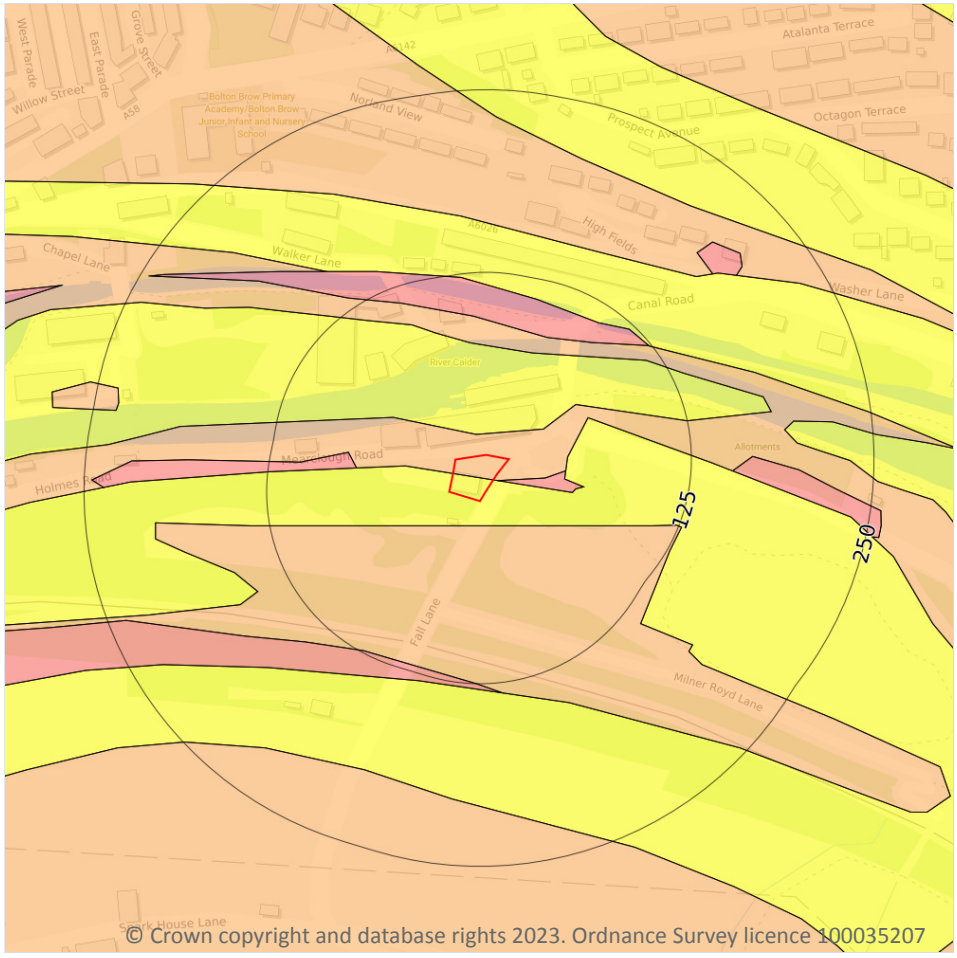
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 120 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	4

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 121 >**

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

Location	Hazard rating	Details
On site	**Low**	**Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.**
3m E	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
17m S	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks

17.6 Ground dissolution of soluble rocks

Records within 50m	1

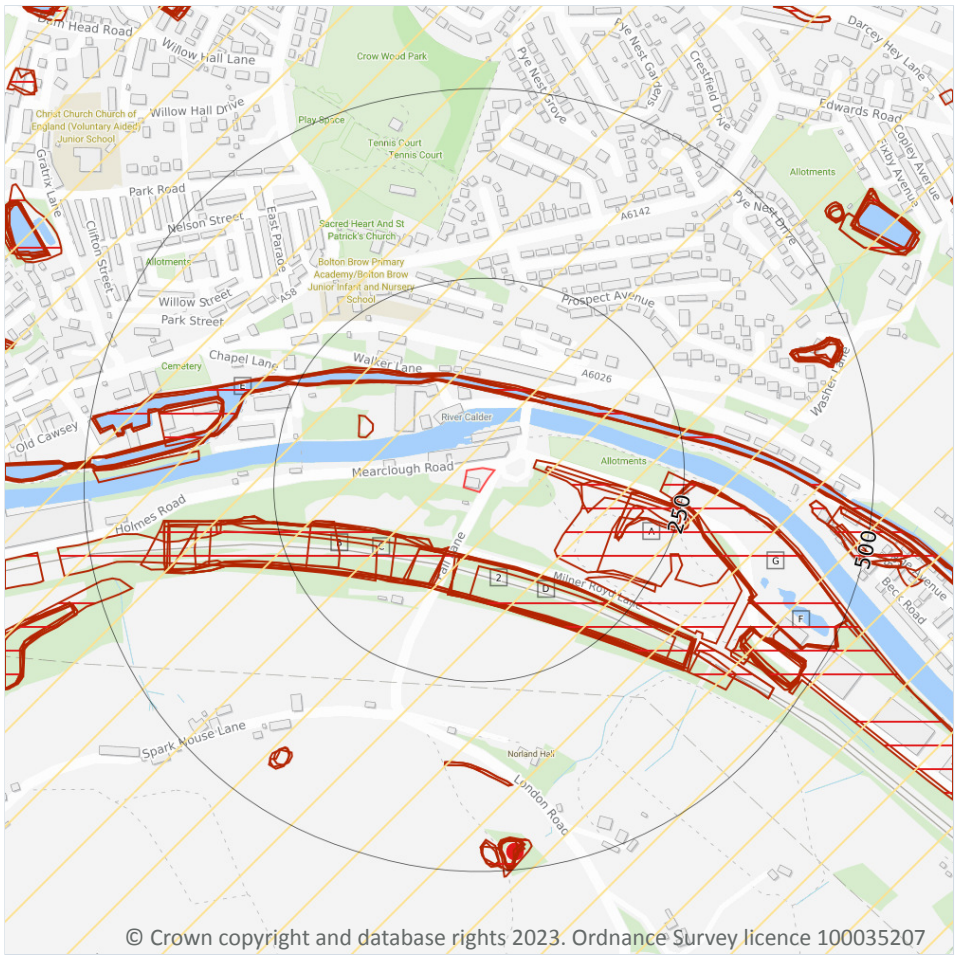
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 123 >**

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

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	1

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

Features are displayed on the Mining and ground workings map on **page 125 >**

ID	Location	Details	Description
N	476m S	Name: Parkfield Lane Address: Norland Town, SOWERBY BRIDGE, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	**33**

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on **page 125 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	52m E	Refuse Heap	1981	1:10000
A	68m E	Unspecified Ground Workings	1931	1:10560
B	82m SW	Cuttings	1967	1:10560
B	82m SW	Cuttings	1981	1:10000
C	85m S	Cuttings	1948	1:10560
D	86m S	Cuttings	1938	1:10560
2	89m S	Cuttings	1931	1:10560
C	89m S	Cuttings	1893	1:10560
D	89m S	Cuttings	1905	1:10560
D	89m S	Cuttings	1967	1:10560
D	89m S	Cuttings	1981	1:10000
D	89m S	Cuttings	1955	1:10560
B	90m SW	Cuttings	1905	1:10560
C	91m SW	Cuttings	1955	1:10560
D	98m S	Cuttings	1854	1:10560
E	99m NE	Canal	1905	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
E	99m NE	Canal	1893	1:10560
E	101m N	Canal	1931	1:10560
E	102m N	Canal	1948	1:10560
E	103m NE	Canal	1938	1:10560
B	110m SW	Cuttings	1955	1:10560
A	116m E	Refuse Heap	1967	1:10560
E	135m NW	Refuse Heap	1893	1:10560
B	138m SW	Cuttings	1854	1:10560
B	176m W	Cuttings	1938	1:10560
A	178m E	Unspecified Heap	1938	1:10560
A	178m E	Unspecified Heap	1938	1:10560
F	220m E	Sewage Works	1981	1:10000
G	236m E	Sewage Works	1948	1:10560
G	238m E	Sewage Works	1931	1:10560
G	239m E	Sewage Works	1938	1:10560
G	239m E	Sewage Works	1938	1:10560
F	239m E	Sewage Works	1955	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m **6**

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

Features are displayed on the Mining and ground workings map on **page 125 >**

ID	Location	Land Use	Year of mapping	Mapping scale
-	786m W	Tunnel	1981	1:10000
-	786m W	Tunnel	1951	1:10560
-	786m W	Tunnel	1967	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	787m W	Tunnel	1948	1:10560
-	789m W	Tunnel	1905	1:10560
-	789m W	Tunnel	1893	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	**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 and ground workings map on **page 125 >**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Vein Mineral**	**A**	**Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

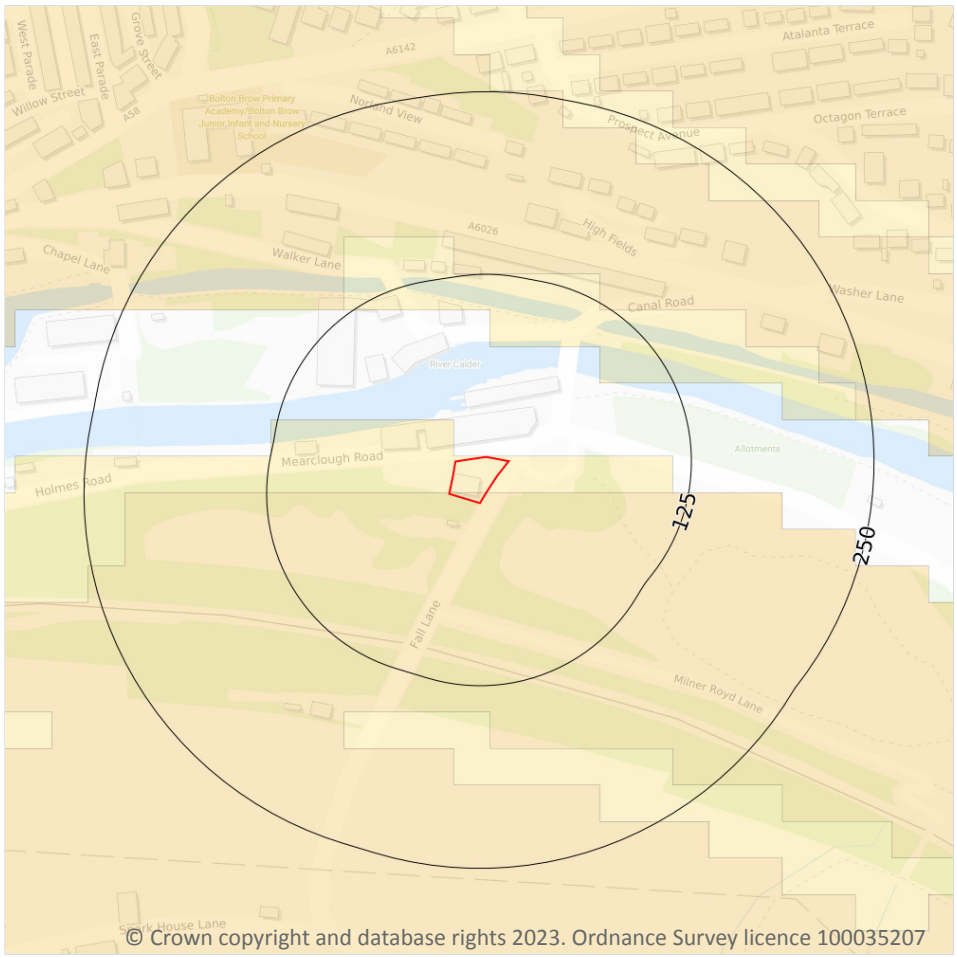
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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

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

This data is sourced from the British Geological Survey.

20 Radon



Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	2

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

Features are displayed on the Radon map on **page 134 >**

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

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 3% and 5%**	**Basic**

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m **7**

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
17m S	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
37m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
37m E	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
43m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m **0**

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

Site Outline

Search buffers in metres (m)

- Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	7

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 138 >**

Location	Land Use	Year of mapping	Mapping scale
92m SW	Railway Sidings	1938	10560
99m SW	Railway Sidings	1919	2500
105m SW	Railway Sidings	1948	10560
110m SW	Railway Sidings	1955	10560
112m SW	Railway Sidings	1931	10560
192m SW	Railway Sidings	1907	2500
238m W	Railway Sidings	1905	10560

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	4

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 138 >**

Location	Name	Type
105m S	Caldervale Line	rail
105m S	Not given	Multi Track
107m SW	Not given	Multi Track
108m S	Caldervale Line	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

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