

JAGGER LANE, KIRKHEATON, HUDDERSFIELD, KIRKLEES, HD5 0QY

Order Details

Date: 02/04/2025
Your ref: ADP - Jagger
Our Ref: GS-321-233-7G6-286

Site Details

Location: 417155 417952
Area: 0.03 ha
Authority: [Kirklees Council](#) ↗



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[Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

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 >	0	8	10	39	-
18 >	1.2 >	Historical tanks >	0	0	34	239	-
28 >	1.3 >	Historical energy features >	0	0	0	10	-
28	1.4	Historical petrol stations	0	0	0	0	-
29 >	1.5 >	Historical garages >	0	0	0	3	-
29	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
30 >	2.1 >	Historical industrial land uses >	0	13	13	48	-
33 >	2.2 >	Historical tanks >	0	0	61	402	-
50 >	2.3 >	Historical energy features >	0	0	0	14	-
51	2.4	Historical petrol stations	0	0	0	0	-
51 >	2.5 >	Historical garages >	0	0	0	4	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
52 >	3.1 >	Active or recent landfill >	0	1	0	0	-
53	3.2	Historical landfill (BGS records)	0	0	0	0	-
53 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	0	1	-
53	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
53	3.5	Historical waste sites	0	0	0	0	-
54 >	3.6 >	Licensed waste sites >	0	0	3	0	-
55 >	3.7 >	Waste exemptions >	0	0	0	4	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
56 >	4.1 >	Recent industrial land uses >	0	0	5	-	-
57	4.2	Current or recent petrol stations	0	0	0	0	-
57	4.3	Electricity cables	0	0	0	0	-
57	4.4	Gas pipelines	0	0	0	0	-
57	4.5	Sites determined as Contaminated Land	0	0	0	0	-



57 >	4.6 >	<u>Control of Major Accident Hazards (COMAH) ></u>	0	0	2	0	-
58	4.7	Regulated explosive sites	0	0	0	0	-
58	4.8	Hazardous substance storage/usage	0	0	0	0	-
58	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
58	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
59	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
59	4.12	Radioactive Substance Authorisations	0	0	0	0	-
59 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	9	-
60	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
61	4.15	Pollutant release to public sewer	0	0	0	0	-
61	4.16	List 1 Dangerous Substances	0	0	0	0	-
61	4.17	List 2 Dangerous Substances	0	0	0	0	-
61 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	1	1	-
62	4.19	Pollution inventory substances	0	0	0	0	-
62	4.20	Pollution inventory waste transfers	0	0	0	0	-
62	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
63 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
64 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
65 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
66	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
66	5.5	Groundwater vulnerability- local information	None (within 0m)				
67 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	3	32
75 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	13
79 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	1
79	5.9	Source Protection Zones	0	0	0	0	-
79	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
80 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	0	0	4	-	-



81 >	6.2 >	Surface water features >	0	0	2	-	-
81 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
82 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
82 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
83	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
84 >	7.2 >	Historical Flood Events >	0	0	3	-	-
84	7.3	Flood Defences	0	0	0	-	-
84	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
85	7.5	Flood Storage Areas	0	0	0	-	-
86	7.6	Flood Zone 2	None (within 50m)				
86	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
87	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
88 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
89	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
90	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
90	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
90	10.4	Special Protection Areas (SPA)	0	0	0	0	0
90	10.5	National Nature Reserves (NNR)	0	0	0	0	0
91 >	10.6 >	Local Nature Reserves (LNR) >	0	0	1	0	0
91 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	1
91	10.8	Biosphere Reserves	0	0	0	0	0
92	10.9	Forest Parks	0	0	0	0	0
92	10.10	Marine Conservation Zones	0	0	0	0	0
92 >	10.11 >	Green Belt >	1	0	0	0	0
92	10.12	Proposed Ramsar sites	0	0	0	0	0



93	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
93	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
93	10.15	Nitrate Sensitive Areas	0	0	0	0	0
93	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
94 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
95	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
96	11.1	World Heritage Sites	0	0	0	-	-
96	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
96	11.3	National Parks	0	0	0	-	-
96	11.4	Listed Buildings	0	0	0	-	-
97	11.5	Conservation Areas	0	0	0	-	-
97	11.6	Scheduled Ancient Monuments	0	0	0	-	-
97	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
98 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
99	12.2	Open Access Land	0	0	0	-	-
99	12.3	Tree Felling Licences	0	0	0	-	-
99	12.4	Environmental Stewardship Schemes	0	0	0	-	-
99	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
100 >	13.1 >	Priority Habitat Inventory >	0	0	3	-	-
101	13.2	Habitat Networks	0	0	0	-	-
101 >	13.3 >	Open Mosaic Habitat >	0	1	1	-	-
101	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
102 >	14.1 >	10k Availability >	Identified (within 500m)				
103 >	14.2 >	Artificial and made ground (10k) >	0	1	1	3	-
105 >	14.3 >	Superficial geology (10k) >	0	0	1	1	-



106	14.4	Landslip (10k)	0	0	0	0	-
107 >	14.5 >	Bedrock geology (10k) >	1	1	5	12	-
108 >	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
110 >	15.1 >	50k Availability >	Identified (within 500m)				
111 >	15.2 >	Artificial and made ground (50k) >	1	0	0	1	-
112 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
113 >	15.4 >	Superficial geology (50k) >	0	0	1	1	-
114	15.5	Superficial permeability (50k)	None (within 50m)				
114	15.6	Landslip (50k)	0	0	0	0	-
114	15.7	Landslip permeability (50k)	None (within 50m)				
115 >	15.8 >	Bedrock geology (50k) >	1	0	5	11	-
116 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
117 >	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
118 >	16.1 >	BGS Boreholes >	0	0	3	-	-
Page	Section	Natural ground subsidence >					
120 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
121 >	17.2 >	Running sands >	Very low (within 50m)				
123 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
125 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
126 >	17.5 >	Landslides >	Moderate (within 50m)				
128 >	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
130 >	18.1 >	BritPits >	0	0	0	1	-
131 >	18.2 >	Surface ground workings >	0	12	2	-	-
132	18.3	Underground workings	0	0	0	0	0
132	18.4	Underground mining extents	0	0	0	0	-
132	18.5	Historical Mineral Planning Areas	0	0	0	0	-



132	18.6	Non-coal mining	0	0	0	0	0
132	18.7	JPB mining areas	None (within 0m)				
133	18.8	The Coal Authority non-coal mining	0	0	0	0	-
133	18.9	Researched mining	0	0	0	0	-
133	18.10	Mining record office plans	0	0	0	0	-
133	18.11	BGS mine plans	0	0	0	0	-
134 >	18.12 >	Coal mining >	Identified (within 0m)				
134	18.13	Brine areas	None (within 0m)				
134	18.14	Gypsum areas	None (within 0m)				
134	18.15	Tin mining	None (within 0m)				
134	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
135	19.1	Natural cavities	0	0	0	0	-
135	19.2	Mining cavities	0	0	0	0	0
135	19.3	Reported recent incidents	0	0	0	0	-
135	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
137 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
139 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	2	-	-	-
139	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
139	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
140	22.1	Underground railways (London)	0	0	0	-	-
140	22.2	Underground railways (Non-London)	0	0	0	-	-
141	22.3	Railway tunnels	0	0	0	-	-
141 >	22.4 >	Historical railway and tunnel features >	0	1	16	-	-
142	22.5	Royal Mail tunnels	0	0	0	-	-
142 >	22.6 >	Historical railways >	0	3	0	-	-



142	22.7	Railways	0	0	0	-	-
142	22.8	Crossrail 2	0	0	0	0	-
143	22.9	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 30/05/2021

Site Area: 0.03ha



Recent site history - 2018 aerial photograph



Capture Date: 01/07/2018

Site Area: 0.03ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.03ha



Recent site history - 2000 aerial photograph



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Capture Date: 05/08/2000

Site Area: 0.03ha



Recent site history - 1999 aerial photograph



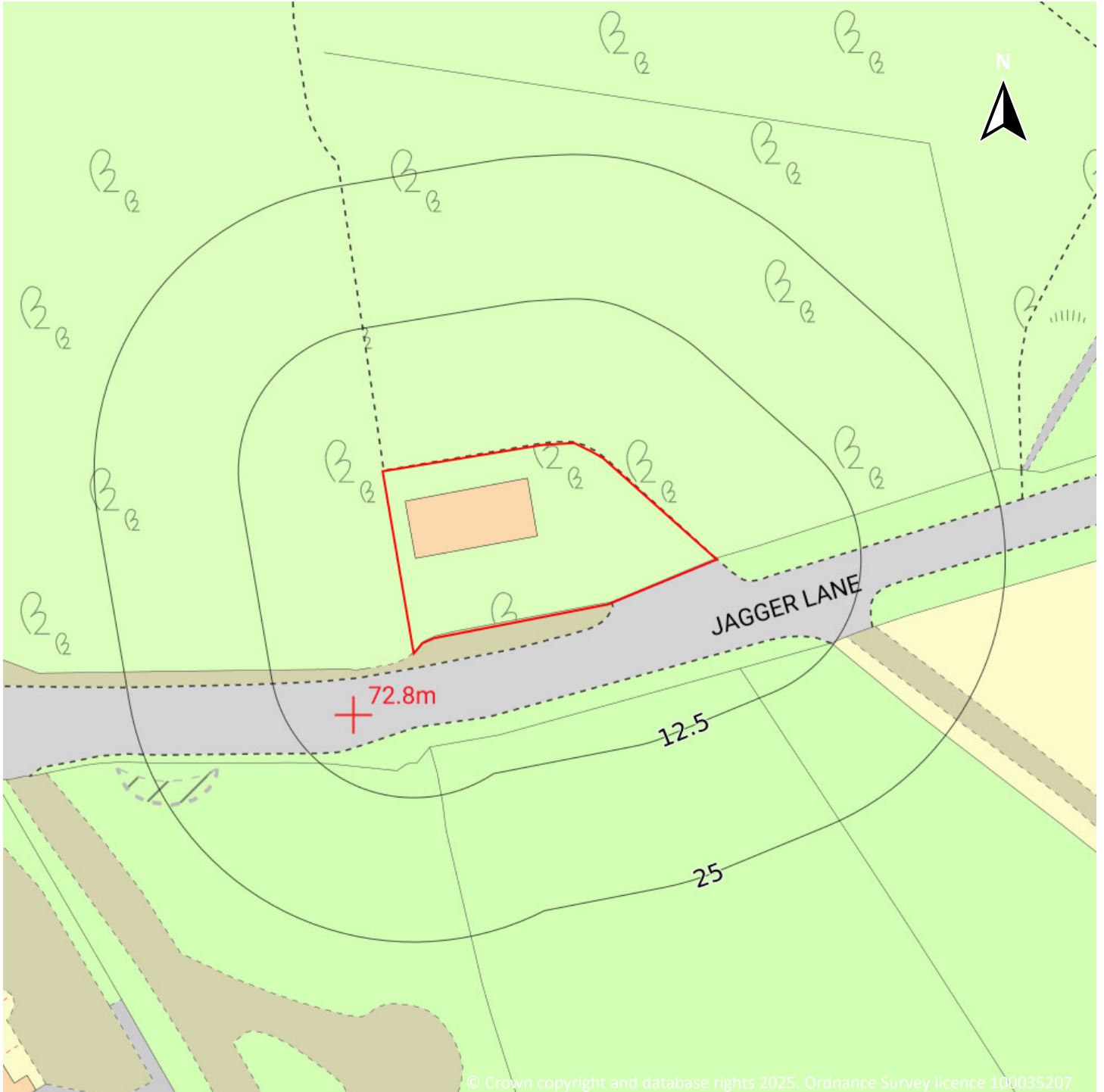
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2025. All Rights Reserved.

Capture Date: 04/09/1999

Site Area: 0.03ha



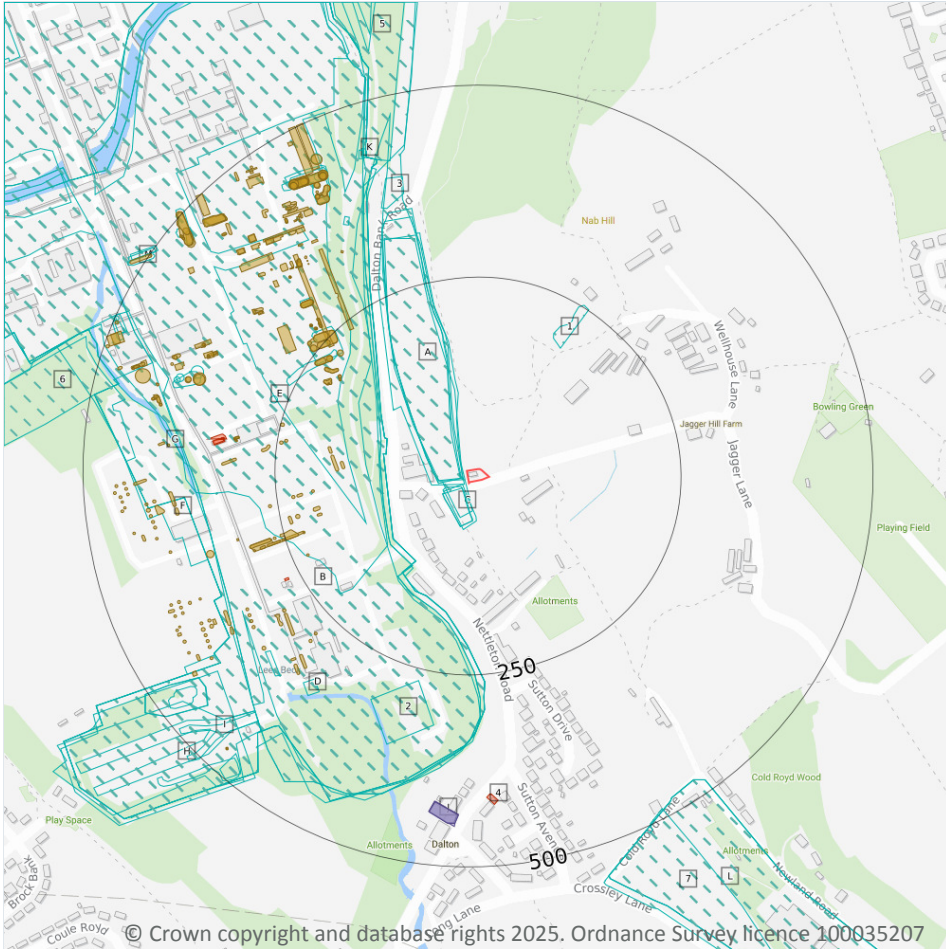
OS MasterMap site plan



Site Area: 0.03ha



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 **57**

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
A	4m SW	Cuttings	1948 - 1975	1572947



ID	Location	Land use	Dates present	Group ID
B	6m SW	Railway Sidings	1948	1511860
A	7m W	Cuttings	1988	1572621
C	8m SW	Cuttings	1889	1578600
A	9m W	Cuttings	1889 - 1905	1530228
A	10m W	Cuttings	1938	1537919
C	11m SW	Cuttings	1938 - 1948	1488200
C	11m SW	Cuttings	1905	1566436
B	106m W	Railway Sidings	1956	1484137
B	106m W	Unspecified Commercial/Industrial	1956 - 1965	1499980
B	106m W	Railway Sidings	1965	1509054
B	106m W	Unspecified Works	1975 - 1988	1520372
B	112m W	Unspecified Works	1938	1431494
B	112m W	Railway Sidings	1938	1517956
B	114m W	Unspecified Commercial/Industrial	1948	1481314
1	189m NE	Unspecified Quarry	1948	1464046
B	224m NW	Unspecified Tanks	1975 - 1988	1499850
B	226m NW	Unspecified Ground Workings	1948	1439145
E	263m W	Unspecified Tank	1975	1472456
2	266m S	Railway Building	1948	1475682
B	297m NW	Unspecified Tanks	1988	1443506
D	325m SW	Railway Building	1948	1475683
D	339m SW	Railway Building	1948	1475684
B	355m NW	Unspecified Tank	1938	1472464
3	357m N	Cuttings	1938	1433286
B	366m W	Unspecified Tank	1956 - 1965	1523782
B	366m W	Unspecified Tanks	1948	1443501
B	388m W	Unspecified Tank	1956	1497465
B	391m W	Unspecified Tank	1938	1502941



ID	Location	Land use	Dates present	Group ID
B	395m NW	Unspecified Tanks	1975 - 1988	1495785
H	407m SW	Tramway Sidings	1938	1478876
I	408m SW	Railway Sidings	1948	1486137
H	409m SW	Unspecified Commercial/Industrial	1948	1580595
5	416m N	Railway Sidings	1956	1556120
B	424m NW	Unspecified Tanks	1948	1490718
K	429m N	Unspecified Tanks	1956	1529453
K	429m N	Unspecified Tanks	1938	1546090
B	430m NW	Unspecified Tanks	1948	1498760
B	430m NW	Unspecified Tanks	1956 - 1965	1504574
6	432m W	Unspecified Works	1965	1496414
D	433m SW	Unspecified Pit	1975	1450118
D	434m SW	Unspecified Ground Workings	1965	1439143
D	445m SW	Unspecified Tanks	1948 - 1956	1504694
B	445m NW	Unspecified Tank	1988	1472462
I	465m SW	Unspecified Pit	1956	1450119
B	466m NW	Unspecified Tanks	1975 - 1988	1532557
I	471m SW	Unspecified Ground Workings	1938	1547707
L	476m SE	Unspecified Commercial/Industrial	1988	1431625
L	476m SE	Unspecified Works	1965 - 1975	1556007
L	476m SE	Unspecified Works	1956	1582045
B	478m W	Unspecified Tanks	1948 - 1956	1533296
B	481m W	Unspecified Tanks	1938	1532066
7	487m SE	Unspecified Works	1938 - 1948	1540093
M	493m NW	Unspecified Tanks	1948	1443505
M	494m NW	Unspecified Tanks	1956	1524816
B	495m NW	Unspecified Tanks	1938	1556872
M	496m NW	Unspecified Tanks	1938	1523766

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

273

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

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

ID	Location	Land use	Dates present	Group ID
D	159m W	Tanks	1999	235547
D	167m W	Tanks	1999	235546
D	177m W	Tanks	1999	235545
D	196m W	Tanks	1999	235554
D	196m W	Tanks	1979 - 1999	261365
D	200m W	Unspecified Tank	1999	241777
B	202m NW	Unspecified Tank	1989	241791
B	202m NW	Tanks	1979 - 1988	246344
B	204m NW	Unspecified Tank	1989	241790
B	210m NW	Tanks	1979 - 1988	245560
B	210m NW	Tanks	1989	262442
B	212m NW	Tanks	1989	260992
B	212m NW	Tanks	1979 - 1988	258778
D	216m W	Tanks	1999	235553
B	221m NW	Unspecified Tank	1973 - 1989	249965
D	223m W	Tanks	1979	254198
D	223m W	Unspecified Tank	1999	241781
D	224m W	Tanks	1999	235555
D	226m W	Tanks	1999	235552
B	227m NW	Tanks	1998	245287
B	227m NW	Unspecified Tank	1989	241771



ID	Location	Land use	Dates present	Group ID
B	228m NW	Tanks	1979 - 1988	255234
D	228m SW	Unspecified Tank	1999	241782
B	232m NW	Tanks	1989 - 1998	252891
D	232m W	Tanks	1999	248162
D	235m W	Tanks	1979 - 1999	251668
E	237m W	Tanks	1999	235550
B	237m NW	Tanks	1932	235542
B	238m NW	Tanks	1932	253893
B	238m NW	Tanks	1989 - 1998	261498
B	239m NW	Tanks	1979 - 1988	252033
E	242m W	Tanks	1999	235549
B	243m NW	Tanks	1989	251317
E	245m W	Unspecified Tank	1988 - 1999	246688
B	251m NW	Tanks	1989 - 1998	247201
B	251m NW	Unspecified Tank	1989 - 1998	252747
D	252m W	Unspecified Tank	1999	241780
D	257m W	Tanks	1999	256587
E	258m W	Tanks	1999	235548
D	258m W	Unspecified Tank	1999	241776
B	261m NW	Unspecified Tank	1989 - 1998	250734
D	261m W	Unspecified Tank	1999	241779
B	265m NW	Tanks	1989 - 1998	259313
B	267m NW	Tanks	1979 - 1988	247822
D	268m W	Tanks	1999	245127
B	268m NW	Unspecified Tank	1998	255574
B	269m NW	Unspecified Tank	1989	257739
B	269m NW	Tanks	1979	253958
B	270m NW	Unspecified Tank	1979 - 1988	254918



ID	Location	Land use	Dates present	Group ID
B	273m NW	Tanks	1932	235544
B	275m NW	Unspecified Tank	1988	258284
B	276m NW	Unspecified Tank	1979	256910
B	276m NW	Unspecified Tank	1998	247926
B	276m NW	Unspecified Tank	1989	250309
B	277m NW	Unspecified Tank	1988	251101
B	277m NW	Unspecified Tank	1988	252235
D	278m W	Tanks	1999	252244
D	278m SW	Tanks	1999	235558
D	289m SW	Tanks	1999	235559
D	290m SW	Unspecified Tank	1999	241788
D	291m W	Unspecified Tank	1999	241778
D	292m SW	Tanks	1999	235560
B	295m NW	Tanks	1979 - 1988	255456
B	296m NW	Tanks	1998	255213
B	296m NW	Tanks	1989	257082
E	300m W	Tanks	1979 - 1988	257702
E	300m W	Tanks	1989	250952
E	301m W	Tanks	1999	235551
D	301m SW	Tanks	1999	235561
E	301m W	Tanks	1998 - 1999	259590
E	301m W	Tanks	1979	252500
E	303m W	Tanks	1999	249749
D	309m W	Unspecified Tank	1932	241792
D	312m SW	Tanks	1999	235562
D	321m SW	Tanks	1999	235563
D	326m SW	Tanks	1999	235564
B	327m NW	Unspecified Tank	1932	241772



ID	Location	Land use	Dates present	Group ID
D	330m SW	Unspecified Tank	1999	241787
D	332m SW	Unspecified Tank	1999	241786
D	334m SW	Unspecified Tank	1999	241785
B	335m NW	Tanks	1998 - 1999	259093
D	335m SW	Unspecified Tank	1999	241784
B	337m NW	Tanks	1979 - 1988	254428
B	338m NW	Tanks	1979 - 1999	252021
B	339m NW	Unspecified Tank	1979	241774
B	340m NW	Unspecified Tank	1979	248155
B	340m NW	Unspecified Tank	1988	249657
B	340m NW	Unspecified Tank	1979	250337
B	340m NW	Unspecified Tank	1988	257036
D	340m SW	Unspecified Tank	1999	241783
B	341m NW	Unspecified Tank	1989	248387
B	341m NW	Unspecified Tank	1998	250454
B	342m NW	Tanks	1998 - 1999	246331
B	342m NW	Tanks	1979 - 1988	255976
B	343m NW	Tanks	1989	256337
B	343m NW	Unspecified Tank	1979	241775
B	343m NW	Tanks	1932	235543
B	343m NW	Tanks	1979 - 1988	247569
B	343m NW	Tanks	1998	253428
D	345m W	Unspecified Tank	1999	238865
B	345m NW	Tanks	1979	246605
B	345m NW	Tanks	1988	257863
B	345m NW	Tanks	1988	259727
B	347m NW	Unspecified Tank	1979 - 1998	247937
B	347m NW	Tanks	1979 - 1988	258906



ID	Location	Land use	Dates present	Group ID
B	348m NW	Tanks	1979 - 1998	247792
B	351m NW	Tanks	1979 - 1998	247412
B	357m NW	Unspecified Tank	1932	242290
D	357m SW	Tanks	1999	235557
B	358m NW	Tanks	1979	245388
B	359m NW	Tanks	1979	261050
B	360m NW	Tanks	1989 - 1999	262296
B	360m W	Unspecified Tank	1959 - 1971	251028
D	361m SW	Tanks	1999	235556
B	361m W	Unspecified Tank	1958	250537
B	361m NW	Tanks	1932	255812
B	364m NW	Tanks	1979 - 1989	262107
B	364m NW	Unspecified Tank	1932	241773
B	366m NW	Tanks	1979	254824
B	366m NW	Tanks	1932	236183
B	367m NW	Tanks	1998 - 1999	261439
B	367m NW	Unspecified Tank	1989	243441
B	372m NW	Unspecified Tank	1932	255564
B	373m NW	Tanks	1932	235541
D	375m SW	Tanks	1999	234304
B	375m NW	Tanks	1932	235540
B	377m NW	Tanks	1979 - 1988	262249
B	377m NW	Unspecified Tank	1979	256711
B	378m W	Unspecified Tank	1958	258954
B	378m W	Unspecified Tank	1959 - 1961	254290
B	378m NW	Unspecified Tank	1979	255332
B	378m NW	Unspecified Tank	1989 - 1999	246483
F	379m W	Tanks	1999	234301



ID	Location	Land use	Dates present	Group ID
D	380m SW	Unspecified Tank	1999	238860
D	381m SW	Unspecified Tank	1999	238864
F	381m W	Tanks	1999	234300
D	381m SW	Tanks	1999	234305
B	382m NW	Tanks	1979 - 1998	251950
B	382m NW	Tanks	1932	254697
B	387m NW	Tanks	1979 - 1988	252310
G	388m W	Unspecified Tank	1979	238869
B	390m NW	Tanks	1989	255683
B	390m NW	Tanks	1979 - 1998	251815
B	390m NW	Tanks	1979	235754
D	392m SW	Unspecified Tank	1999	238862
D	393m SW	Unspecified Tank	1999	238863
B	393m W	Tanks	1932	234307
B	393m NW	Tanks	1979 - 1998	261429
B	393m NW	Tanks	1998	235750
D	394m SW	Unspecified Tank	1999	238861
B	394m NW	Tanks	1989 - 1998	244429
D	394m SW	Unspecified Tank	1999	238859
B	395m NW	Tanks	1979 - 1988	245246
B	396m NW	Unspecified Tank	1932	242292
G	396m W	Tanks	1979	234308
D	396m SW	Unspecified Tank	1999	238858
B	397m NW	Tanks	1979 - 1989	258120
F	397m W	Tanks	1999	234296
F	397m W	Unspecified Tank	1999	238845
D	398m SW	Unspecified Tank	1999	238857
B	399m NW	Tanks	1979 - 1988	245477



ID	Location	Land use	Dates present	Group ID
B	399m NW	Tanks	1998	261402
B	399m NW	Tanks	1979 - 1998	251654
B	399m NW	Tanks	1989	252463
B	402m W	Tanks	1988 - 1999	255441
B	402m NW	Tanks	1989 - 1998	245908
B	404m NW	Tanks	1998	257397
D	404m SW	Unspecified Tank	1999	238856
B	405m W	Unspecified Tank	1979	255197
B	405m NW	Tanks	1989	255423
B	405m NW	Tanks	1979	235747
B	406m W	Tanks	1979 - 1988	259930
B	406m NW	Tanks	1988	250523
B	406m NW	Tanks	1979 - 1988	259815
D	406m SW	Unspecified Tank	1999	238850
B	407m W	Unspecified Tank	1998 - 1999	262287
B	407m W	Unspecified Tank	1989	238867
D	407m SW	Unspecified Tank	1999	238849
B	407m NW	Tanks	1989	246043
F	407m W	Unspecified Tank	1999	238842
D	408m SW	Unspecified Tank	1999	238848
B	409m W	Tanks	1989	252301
B	410m NW	Tanks	1979	245016
F	411m W	Tanks	1999	234298
B	411m NW	Unspecified Tank	1979	242277
F	411m W	Unspecified Tank	1999	238844
B	411m NW	Tanks	1988 - 1989	252189
F	412m W	Tanks	1999	234297
B	413m NW	Tanks	1988 - 1989	255735



ID	Location	Land use	Dates present	Group ID
B	414m W	Tanks	1998 - 1999	251657
F	414m W	Tanks	1999	234295
B	415m NW	Tanks	1979 - 1988	250339
F	415m W	Unspecified Tank	1999	238841
B	416m NW	Tanks	1989 - 1998	257893
B	416m W	Tanks	1979	259920
B	417m NW	Unspecified Tank	1988	250007
D	417m SW	Tanks	1999	234303
D	417m SW	Unspecified Tank	1999	238846
F	417m W	Tanks	1999	234306
F	418m W	Unspecified Tank	1999	238840
D	418m SW	Tanks	1999	234302
B	418m W	Unspecified Tank	1989	238866
D	418m SW	Unspecified Tank	1999	238847
D	419m SW	Unspecified Tank	1999	238851
B	421m NW	Tanks	1979 - 1989	252114
B	422m NW	Tanks	1973	248219
B	422m NW	Tanks	1958	248991
D	422m SW	Unspecified Tank	1999	238854
B	422m NW	Unspecified Tank	1959 - 1971	252525
B	423m NW	Tanks	1989 - 1998	252730
D	423m SW	Unspecified Tank	1999	238853
B	423m NW	Tanks	1979 - 1988	245057
D	424m SW	Unspecified Tank	1999	238852
D	425m SW	Unspecified Tank	1999	238855
B	427m NW	Tanks	1959	257240
B	427m NW	Unspecified Tank	1961 - 1971	249700
F	427m W	Tanks	1999	234299



ID	Location	Land use	Dates present	Group ID
B	427m NW	Tanks	1998	252032
B	428m NW	Tanks	1979 - 1988	250698
B	428m NW	Tanks	1989	260179
B	430m NW	Unspecified Tank	1961 - 1971	255855
B	430m NW	Tanks	1998	255097
B	430m W	Tanks	1998 - 1999	258141
D	432m SW	Unspecified Tank	1999	241672
B	434m NW	Tanks	1979 - 1989	250325
B	438m NW	Tanks	1932	235741
B	438m W	Tanks	1979 - 1988	260156
B	439m NW	Tanks	1979 - 1988	253633
B	439m NW	Tanks	1932	235743
F	439m W	Unspecified Tank	1999	238843
B	439m NW	Unspecified Tank	1932	238868
B	440m NW	Tanks	1989	254713
F	441m W	Tanks	1999	234293
B	442m W	Tanks	1998 - 1999	246490
F	442m W	Tanks	1999	234292
B	444m NW	Unspecified Tank	1988 - 1998	248438
F	445m W	Tanks	1999	234289
F	447m W	Unspecified Tank	1999	238839
B	447m W	Tanks	1979	257788
B	448m W	Tanks	1979 - 1989	261872
F	449m W	Unspecified Tank	1999	238837
F	450m W	Unspecified Tank	1999	238838
F	451m W	Tanks	1999	234294
B	452m NW	Tanks	1979	254329
B	453m W	Unspecified Tank	1979	238870



ID	Location	Land use	Dates present	Group ID
B	453m NW	Tanks	1989	260392
B	454m NW	Tanks	1979 - 1988	247056
F	455m W	Tanks	1999	234290
F	458m W	Tanks	1999	234291
B	458m NW	Unspecified Tank	1989	243440
B	459m NW	Tanks	1979	236184
B	461m NW	Tanks	1979	251418
B	463m NW	Tanks	1988 - 1989	246994
B	465m NW	Tanks	1988	259816
I	466m SW	Unspecified Tank	1961	247796
I	467m SW	Unspecified Tank	1957	258463
B	469m W	Tanks	1979	256804
B	470m NW	Tanks	1979	235746
B	473m NW	Tanks	1979	260326
B	476m NW	Tanks	1998 - 1999	245189
B	476m NW	Unspecified Tank	1979	242291
B	477m W	Unspecified Tank	1979	253485
B	477m NW	Tanks	1979	236185
B	479m NW	Tanks	1998 - 1999	254650
B	479m NW	Tanks	1979	235745
B	480m NW	Unspecified Tank	1988	256086
B	481m NW	Tanks	1998 - 1999	245492
B	481m W	Unspecified Tank	1932	257095
B	482m NW	Tanks	1932	235742
B	483m NW	Unspecified Tank	1998 - 1999	250198
B	493m NW	Unspecified Tank	1932	239689
B	493m W	Unspecified Tank	1998 - 1999	253822
M	497m NW	Tanks	1932	234636

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

10

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

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

ID	Location	Land use	Dates present	Group ID
D	266m SW	Electricity Substation	1999	143946
E	316m W	Electricity Substation	1989	150922
E	318m W	Electricity Substation	1979	147786
E	319m W	Electricity Substation	1979	147280
E	319m W	Electricity Substation	1988	150077
E	319m W	Electricity Substation	1988	158380
E	319m W	Electricity Substation	1979	159970
E	319m W	Electricity Substation	1999	153696
E	320m W	Electricity Substation	1998 - 1999	145532
4	406m S	Electricity Substation	1967 - 1993	155243

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



1.5 Historical garages

Records within 500m

3

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

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

ID	Location	Land use	Dates present	Group ID
J	417m S	Garage	1967 - 1970	49455
J	417m S	Garage	1989	47030
J	418m S	Garage	1993	50674

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

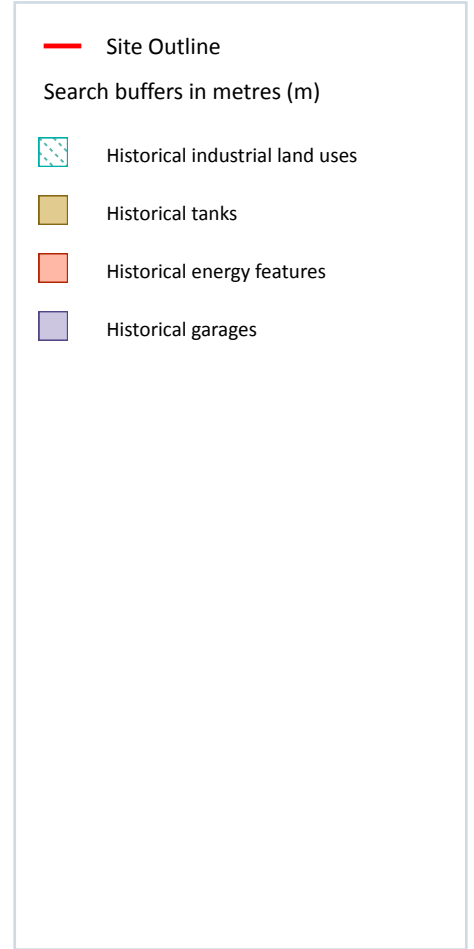
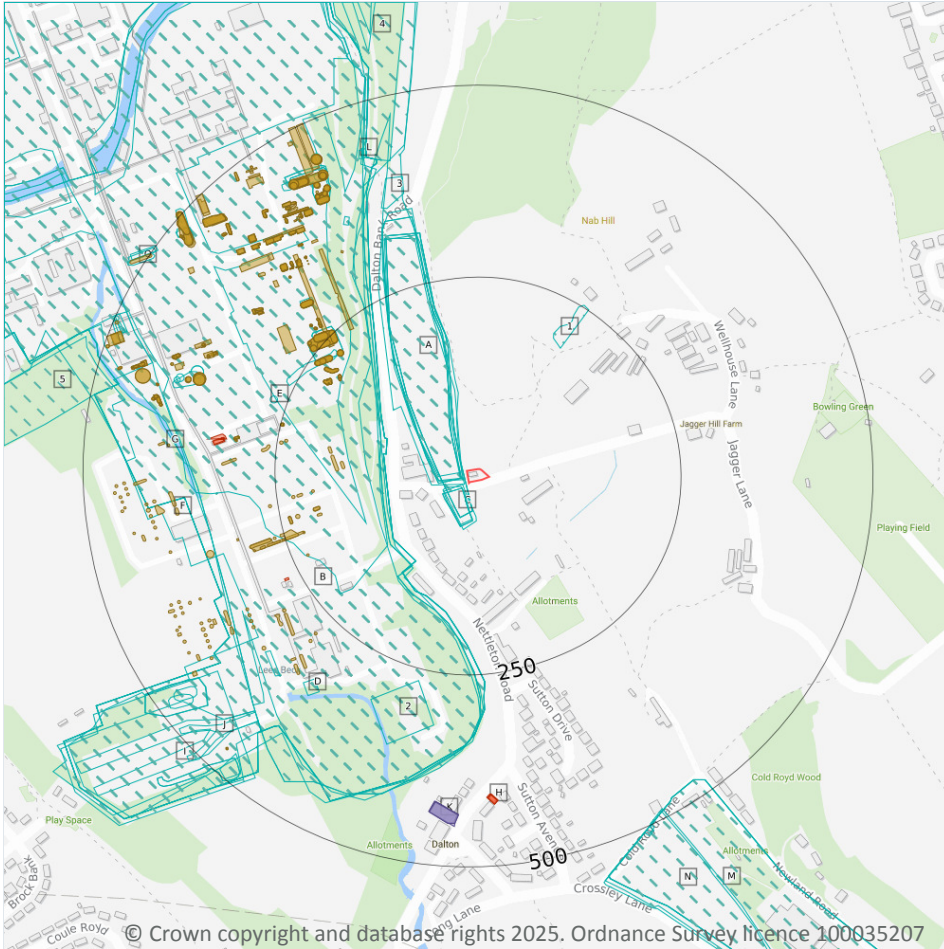
0

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

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



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m

74

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

Features are displayed on the Past land use - un-grouped map on [page 30](#) >

ID	Location	Land Use	Date	Group ID
A	4m SW	Cuttings	1965	1572947
A	4m SW	Cuttings	1956	1572947
A	4m SW	Cuttings	1975	1572947

ID	Location	Land Use	Date	Group ID
B	6m SW	Railway Sidings	1948	1511860
A	7m W	Cuttings	1988	1572621
C	8m SW	Cuttings	1889	1578600
A	9m W	Cuttings	1889	1530228
A	9m W	Cuttings	1948	1572947
A	9m W	Cuttings	1905	1530228
A	10m W	Cuttings	1938	1537919
C	11m SW	Cuttings	1948	1488200
C	11m SW	Cuttings	1905	1566436
C	11m SW	Cuttings	1938	1488200
B	106m W	Unspecified Commercial/Industrial	1965	1499980
B	106m W	Railway Sidings	1965	1509054
B	106m W	Railway Sidings	1956	1484137
B	106m W	Unspecified Commercial/Industrial	1956	1499980
B	106m W	Unspecified Works	1975	1520372
B	108m W	Unspecified Works	1988	1520372
B	112m W	Railway Sidings	1938	1517956
B	112m W	Unspecified Works	1938	1431494
B	114m W	Unspecified Commercial/Industrial	1948	1481314
1	189m NE	Unspecified Quarry	1948	1464046
B	224m NW	Unspecified Tanks	1988	1499850
B	224m NW	Unspecified Tanks	1975	1499850
B	226m NW	Unspecified Ground Workings	1948	1439145
E	263m W	Unspecified Tank	1975	1472456
2	266m S	Railway Building	1948	1475682
B	297m NW	Unspecified Tanks	1988	1443506
D	325m SW	Railway Building	1948	1475683
D	339m SW	Railway Building	1948	1475684



ID	Location	Land Use	Date	Group ID
B	355m NW	Unspecified Tank	1938	1472464
3	357m N	Cuttings	1938	1433286
B	366m W	Unspecified Tank	1965	1523782
B	366m W	Unspecified Tank	1956	1523782
B	366m W	Unspecified Tanks	1948	1443501
B	388m W	Unspecified Tank	1956	1497465
B	391m W	Unspecified Tank	1938	1502941
B	395m NW	Unspecified Tanks	1988	1495785
B	395m NW	Unspecified Tanks	1975	1495785
I	407m SW	Tramway Sidings	1938	1478876
J	408m SW	Railway Sidings	1948	1486137
I	409m SW	Unspecified Commercial/Industrial	1948	1580595
4	416m N	Railway Sidings	1956	1556120
B	424m NW	Unspecified Tanks	1948	1490718
L	429m N	Unspecified Tanks	1956	1529453
L	429m N	Unspecified Tanks	1938	1546090
B	430m NW	Unspecified Tanks	1948	1498760
B	430m NW	Unspecified Tanks	1965	1504574
B	430m NW	Unspecified Tanks	1956	1504574
5	432m W	Unspecified Works	1965	1496414
D	433m SW	Unspecified Pit	1975	1450118
D	434m SW	Unspecified Ground Workings	1965	1439143
D	445m SW	Unspecified Tanks	1956	1504694
B	445m NW	Unspecified Tank	1988	1472462
D	455m SW	Unspecified Tanks	1948	1504694
J	465m SW	Unspecified Pit	1956	1450119
B	466m NW	Unspecified Tanks	1975	1532557
B	466m NW	Unspecified Tanks	1988	1532557



ID	Location	Land Use	Date	Group ID
J	471m SW	Unspecified Ground Workings	1938	1547707
J	471m SW	Unspecified Ground Workings	1938	1547707
M	476m SE	Unspecified Commercial/Industrial	1988	1431625
M	476m SE	Unspecified Works	1965	1556007
M	476m SE	Unspecified Works	1956	1582045
M	476m SE	Unspecified Works	1975	1556007
B	478m W	Unspecified Tanks	1956	1533296
B	479m W	Unspecified Tanks	1948	1533296
B	481m W	Unspecified Tanks	1938	1532066
N	487m SE	Unspecified Works	1938	1540093
N	490m SE	Unspecified Works	1948	1540093
O	493m NW	Unspecified Tanks	1948	1443505
O	494m NW	Unspecified Tanks	1956	1524816
B	495m NW	Unspecified Tanks	1938	1556872
O	496m NW	Unspecified Tanks	1938	1523766

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

463

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

Features are displayed on the Past land use - un-grouped map on [page 30 >](#)

ID	Location	Land Use	Date	Group ID
D	159m W	Tanks	1999	235547
D	167m W	Tanks	1999	235546
D	177m W	Tanks	1999	235545
D	196m W	Tanks	1999	235554
D	196m W	Tanks	1999	261365



ID	Location	Land Use	Date	Group ID
D	197m W	Tanks	1979	261365
D	200m W	Unspecified Tank	1999	241777
B	202m NW	Unspecified Tank	1989	241791
B	202m NW	Tanks	1979	246344
B	202m NW	Tanks	1988	246344
B	202m NW	Tanks	1988	246344
B	202m NW	Tanks	1979	246344
B	204m NW	Unspecified Tank	1989	241790
B	210m NW	Tanks	1979	245560
B	210m NW	Tanks	1988	245560
B	210m NW	Tanks	1988	245560
B	210m NW	Tanks	1979	245560
B	210m NW	Tanks	1989	262442
B	212m NW	Tanks	1989	260992
B	212m NW	Tanks	1979	258778
B	212m NW	Tanks	1988	258778
B	212m NW	Tanks	1988	258778
B	212m NW	Tanks	1979	258778
D	216m W	Tanks	1999	235553
B	221m NW	Unspecified Tank	1973	249965
B	221m NW	Unspecified Tank	1989	249965
B	221m NW	Unspecified Tank	1979	249965
B	221m NW	Unspecified Tank	1988	249965
B	221m NW	Unspecified Tank	1988	249965
B	221m NW	Unspecified Tank	1979	249965
D	223m W	Tanks	1979	254198
D	223m W	Unspecified Tank	1999	241781
D	224m W	Tanks	1999	235555



ID	Location	Land Use	Date	Group ID
D	226m W	Tanks	1999	235552
B	227m NW	Tanks	1998	245287
B	227m NW	Unspecified Tank	1989	241771
B	228m NW	Tanks	1979	255234
B	228m NW	Tanks	1988	255234
B	228m NW	Tanks	1988	255234
B	228m NW	Tanks	1979	255234
D	228m SW	Unspecified Tank	1999	241782
B	232m NW	Tanks	1989	252891
B	232m NW	Tanks	1998	252891
D	232m W	Tanks	1999	248162
D	235m W	Tanks	1979	251668
D	235m W	Tanks	1999	251668
E	237m W	Tanks	1999	235550
B	237m NW	Tanks	1932	235542
B	238m NW	Tanks	1932	253893
B	238m NW	Tanks	1998	261498
B	239m NW	Tanks	1979	252033
B	239m NW	Tanks	1988	252033
B	239m NW	Tanks	1988	252033
B	239m NW	Tanks	1979	252033
B	239m NW	Tanks	1989	261498
E	242m W	Tanks	1999	235549
B	243m NW	Tanks	1989	251317
E	245m W	Unspecified Tank	1989	246688
E	246m W	Unspecified Tank	1998	246688
E	246m W	Unspecified Tank	1999	246688
E	247m W	Unspecified Tank	1988	246688



ID	Location	Land Use	Date	Group ID
B	251m NW	Tanks	1998	247201
B	251m NW	Tanks	1989	247201
B	251m NW	Unspecified Tank	1998	252747
B	252m NW	Unspecified Tank	1989	252747
D	252m W	Unspecified Tank	1999	241780
D	257m W	Tanks	1999	256587
E	258m W	Tanks	1999	235548
D	258m W	Unspecified Tank	1999	241776
B	261m NW	Unspecified Tank	1998	250734
D	261m W	Unspecified Tank	1999	241779
B	262m NW	Unspecified Tank	1989	250734
B	265m NW	Tanks	1998	259313
B	266m NW	Tanks	1989	259313
B	267m NW	Tanks	1988	247822
B	267m NW	Tanks	1988	247822
B	267m NW	Tanks	1979	247822
D	268m W	Tanks	1999	245127
B	268m NW	Unspecified Tank	1998	255574
B	269m NW	Unspecified Tank	1989	257739
B	269m NW	Tanks	1979	253958
B	270m NW	Unspecified Tank	1988	254918
B	270m NW	Unspecified Tank	1988	254918
B	270m NW	Unspecified Tank	1979	254918
B	273m NW	Tanks	1932	235544
B	275m NW	Unspecified Tank	1988	258284
B	275m NW	Unspecified Tank	1988	258284
B	276m NW	Unspecified Tank	1979	256910
B	276m NW	Unspecified Tank	1998	247926



ID	Location	Land Use	Date	Group ID
B	276m NW	Unspecified Tank	1989	250309
B	277m NW	Unspecified Tank	1988	252235
B	277m NW	Unspecified Tank	1988	251101
D	278m W	Tanks	1999	252244
D	278m SW	Tanks	1999	235558
D	289m SW	Tanks	1999	235559
D	290m SW	Unspecified Tank	1999	241788
D	291m W	Unspecified Tank	1999	241778
D	292m SW	Tanks	1999	235560
B	295m NW	Tanks	1979	255456
B	295m NW	Tanks	1988	255456
B	295m NW	Tanks	1988	255456
B	295m NW	Tanks	1979	255456
B	296m NW	Tanks	1998	255213
B	296m NW	Tanks	1989	257082
E	300m W	Tanks	1979	257702
E	300m W	Tanks	1988	257702
E	300m W	Tanks	1988	257702
E	300m W	Tanks	1979	257702
E	300m W	Tanks	1989	250952
E	301m W	Tanks	1999	235551
D	301m SW	Tanks	1999	235561
E	301m W	Tanks	1998	259590
E	301m W	Tanks	1999	259590
E	301m W	Tanks	1979	252500
E	303m W	Tanks	1999	249749
D	309m W	Unspecified Tank	1932	241792
D	312m SW	Tanks	1999	235562



ID	Location	Land Use	Date	Group ID
D	321m SW	Tanks	1999	235563
D	326m SW	Tanks	1999	235564
B	327m NW	Unspecified Tank	1932	241772
D	330m SW	Unspecified Tank	1999	241787
D	332m SW	Unspecified Tank	1999	241786
D	334m SW	Unspecified Tank	1999	241785
B	335m NW	Tanks	1998	259093
B	335m NW	Tanks	1999	259093
D	335m SW	Unspecified Tank	1999	241784
B	337m NW	Tanks	1988	254428
B	337m NW	Tanks	1988	254428
B	337m NW	Tanks	1979	254428
B	338m NW	Tanks	1998	252021
B	338m NW	Tanks	1999	252021
B	339m NW	Tanks	1989	252021
B	339m NW	Unspecified Tank	1979	241774
B	340m NW	Tanks	1988	252021
B	340m NW	Tanks	1988	252021
B	340m NW	Tanks	1979	252021
B	340m NW	Unspecified Tank	1979	250337
B	340m NW	Unspecified Tank	1988	257036
B	340m NW	Unspecified Tank	1988	249657
B	340m NW	Unspecified Tank	1979	248155
D	340m SW	Unspecified Tank	1999	241783
B	341m NW	Unspecified Tank	1989	248387
B	341m NW	Unspecified Tank	1998	250454
B	342m NW	Tanks	1998	246331
B	342m NW	Tanks	1999	246331



ID	Location	Land Use	Date	Group ID
B	342m NW	Tanks	1979	255976
B	342m NW	Tanks	1988	255976
B	342m NW	Tanks	1988	255976
B	342m NW	Tanks	1979	255976
B	343m NW	Tanks	1989	256337
B	343m NW	Unspecified Tank	1979	241775
B	343m NW	Tanks	1932	235543
B	343m NW	Tanks	1988	247569
B	343m NW	Tanks	1988	247569
B	343m NW	Tanks	1979	247569
B	343m NW	Tanks	1998	253428
D	345m W	Unspecified Tank	1999	238865
B	345m NW	Tanks	1988	259727
B	345m NW	Tanks	1988	257863
B	345m NW	Tanks	1979	246605
B	347m NW	Unspecified Tank	1979	247937
B	347m NW	Unspecified Tank	1988	247937
B	347m NW	Unspecified Tank	1988	247937
B	347m NW	Unspecified Tank	1979	247937
B	347m NW	Unspecified Tank	1989	247937
B	347m NW	Tanks	1988	258906
B	347m NW	Tanks	1988	258906
B	347m NW	Tanks	1979	258906
B	348m NW	Unspecified Tank	1998	247937
B	348m NW	Tanks	1979	247792
B	348m NW	Tanks	1988	247792
B	348m NW	Tanks	1988	247792
B	348m NW	Tanks	1979	247792



ID	Location	Land Use	Date	Group ID
B	349m NW	Tanks	1989	247792
B	350m NW	Tanks	1998	247792
B	351m NW	Tanks	1979	247412
B	351m NW	Tanks	1988	247412
B	351m NW	Tanks	1988	247412
B	351m NW	Tanks	1979	247412
B	351m NW	Tanks	1989	247412
B	352m NW	Tanks	1998	247412
B	357m NW	Unspecified Tank	1932	242290
D	357m SW	Tanks	1999	235557
B	358m NW	Tanks	1979	245388
B	359m NW	Tanks	1979	261050
B	360m NW	Tanks	1989	262296
B	360m NW	Tanks	1998	262296
B	360m NW	Tanks	1999	262296
B	360m W	Unspecified Tank	1971	251028
B	360m W	Unspecified Tank	1961	251028
B	360m W	Unspecified Tank	1959	251028
D	361m SW	Tanks	1999	235556
B	361m W	Unspecified Tank	1958	250537
B	361m NW	Tanks	1932	255812
B	364m NW	Tanks	1979	262107
B	364m NW	Tanks	1988	262107
B	364m NW	Tanks	1988	262107
B	364m NW	Tanks	1979	262107
B	364m NW	Tanks	1989	262107
B	364m NW	Unspecified Tank	1932	241773
B	366m NW	Tanks	1979	254824



ID	Location	Land Use	Date	Group ID
B	366m NW	Tanks	1932	236183
B	367m NW	Tanks	1998	261439
B	367m NW	Tanks	1999	261439
B	367m NW	Unspecified Tank	1989	243441
B	372m NW	Unspecified Tank	1932	255564
B	373m NW	Tanks	1932	235541
D	375m SW	Tanks	1999	234304
B	375m NW	Tanks	1932	235540
B	377m NW	Tanks	1979	262249
B	377m NW	Tanks	1988	262249
B	377m NW	Tanks	1988	262249
B	377m NW	Unspecified Tank	1979	256711
B	378m W	Unspecified Tank	1958	258954
B	378m W	Unspecified Tank	1961	254290
B	378m W	Unspecified Tank	1959	254290
B	378m NW	Unspecified Tank	1979	255332
B	378m NW	Unspecified Tank	1998	246483
B	378m NW	Unspecified Tank	1999	246483
F	379m W	Tanks	1999	234301
B	379m NW	Unspecified Tank	1989	246483
D	380m SW	Unspecified Tank	1999	238860
D	381m SW	Unspecified Tank	1999	238864
F	381m W	Tanks	1999	234300
D	381m SW	Tanks	1999	234305
B	382m NW	Tanks	1979	251950
B	382m NW	Tanks	1988	251950
B	382m NW	Tanks	1988	251950
B	382m NW	Tanks	1979	251950



ID	Location	Land Use	Date	Group ID
B	382m NW	Tanks	1998	251950
B	382m NW	Tanks	1989	251950
B	382m NW	Tanks	1932	254697
B	387m NW	Tanks	1979	252310
B	387m NW	Tanks	1988	252310
B	387m NW	Tanks	1988	252310
B	387m NW	Tanks	1979	252310
G	388m W	Unspecified Tank	1979	238869
B	390m NW	Tanks	1989	255683
B	390m NW	Tanks	1998	251815
B	390m NW	Tanks	1979	235754
B	390m NW	Tanks	1979	251815
B	390m NW	Tanks	1988	251815
B	390m NW	Tanks	1988	251815
B	390m NW	Tanks	1979	251815
B	391m NW	Tanks	1989	251815
D	392m SW	Unspecified Tank	1999	238862
D	393m SW	Unspecified Tank	1999	238863
B	393m W	Tanks	1932	234307
B	393m NW	Tanks	1979	261429
B	393m NW	Tanks	1988	261429
B	393m NW	Tanks	1988	261429
B	393m NW	Tanks	1979	261429
B	393m NW	Tanks	1998	261429
B	393m NW	Tanks	1998	235750
B	394m NW	Tanks	1989	261429
D	394m SW	Unspecified Tank	1999	238861
B	394m NW	Tanks	1998	244429



ID	Location	Land Use	Date	Group ID
D	394m SW	Unspecified Tank	1999	238859
B	395m NW	Tanks	1979	245246
B	395m NW	Tanks	1988	245246
B	395m NW	Tanks	1988	245246
B	395m NW	Tanks	1979	245246
B	395m NW	Tanks	1989	244429
B	396m NW	Unspecified Tank	1932	242292
G	396m W	Tanks	1979	234308
D	396m SW	Unspecified Tank	1999	238858
B	397m NW	Tanks	1979	258120
B	397m NW	Tanks	1988	258120
B	397m NW	Tanks	1988	258120
B	397m NW	Tanks	1979	258120
F	397m W	Tanks	1999	234296
F	397m W	Unspecified Tank	1999	238845
D	398m SW	Unspecified Tank	1999	238857
B	398m NW	Tanks	1989	258120
B	399m NW	Tanks	1979	245477
B	399m NW	Tanks	1988	245477
B	399m NW	Tanks	1988	245477
B	399m NW	Tanks	1979	245477
B	399m NW	Tanks	1998	261402
B	399m NW	Tanks	1998	251654
B	399m NW	Tanks	1979	251654
B	399m NW	Tanks	1988	251654
B	399m NW	Tanks	1988	251654
B	399m NW	Tanks	1979	251654
B	399m NW	Tanks	1989	252463



ID	Location	Land Use	Date	Group ID
B	400m NW	Tanks	1989	251654
B	402m W	Tanks	1998	255441
B	402m W	Tanks	1999	255441
B	402m W	Tanks	1989	255441
B	402m NW	Tanks	1998	245908
B	403m NW	Tanks	1989	245908
B	403m W	Tanks	1988	255441
B	403m W	Tanks	1988	255441
B	404m NW	Tanks	1998	257397
D	404m SW	Unspecified Tank	1999	238856
B	405m W	Unspecified Tank	1979	255197
B	405m NW	Tanks	1989	255423
B	405m NW	Tanks	1979	235747
B	406m W	Unspecified Tank	1979	255197
B	406m W	Tanks	1979	259930
B	406m W	Tanks	1988	259930
B	406m W	Tanks	1988	259930
B	406m W	Tanks	1979	259930
B	406m NW	Tanks	1988	250523
B	406m NW	Tanks	1988	250523
B	406m NW	Tanks	1979	259815
B	406m NW	Tanks	1988	259815
B	406m NW	Tanks	1988	259815
B	406m NW	Tanks	1979	259815
D	406m SW	Unspecified Tank	1999	238850
B	407m W	Unspecified Tank	1998	262287
B	407m W	Unspecified Tank	1999	262287
B	407m W	Unspecified Tank	1989	238867



ID	Location	Land Use	Date	Group ID
D	407m SW	Unspecified Tank	1999	238849
B	407m NW	Tanks	1989	246043
F	407m W	Unspecified Tank	1999	238842
D	408m SW	Unspecified Tank	1999	238848
B	409m W	Tanks	1989	252301
B	410m NW	Tanks	1979	245016
F	411m W	Tanks	1999	234298
B	411m NW	Unspecified Tank	1979	242277
F	411m W	Unspecified Tank	1999	238844
B	411m NW	Tanks	1989	252189
F	412m W	Tanks	1999	234297
B	412m NW	Tanks	1988	252189
B	412m NW	Tanks	1988	252189
B	413m NW	Tanks	1989	255735
B	414m NW	Tanks	1988	255735
B	414m NW	Tanks	1988	255735
B	414m W	Tanks	1998	251657
B	414m W	Tanks	1999	251657
F	414m W	Tanks	1999	234295
B	415m NW	Tanks	1979	250339
B	415m NW	Tanks	1988	250339
B	415m NW	Tanks	1988	250339
F	415m W	Unspecified Tank	1999	238841
B	416m NW	Tanks	1998	257893
B	416m W	Tanks	1979	259920
B	417m NW	Tanks	1989	257893
B	417m W	Tanks	1979	259920
B	417m NW	Unspecified Tank	1988	250007



ID	Location	Land Use	Date	Group ID
B	417m NW	Unspecified Tank	1988	250007
D	417m SW	Tanks	1999	234303
D	417m SW	Unspecified Tank	1999	238846
F	417m W	Tanks	1999	234306
F	418m W	Unspecified Tank	1999	238840
D	418m SW	Tanks	1999	234302
B	418m W	Unspecified Tank	1989	238866
D	418m SW	Unspecified Tank	1999	238847
D	419m SW	Unspecified Tank	1999	238851
B	421m NW	Tanks	1979	252114
B	421m NW	Tanks	1988	252114
B	421m NW	Tanks	1988	252114
B	421m NW	Tanks	1979	252114
B	422m NW	Tanks	1989	252114
B	422m NW	Tanks	1958	248991
B	422m NW	Tanks	1973	248219
D	422m SW	Unspecified Tank	1999	238854
B	422m NW	Unspecified Tank	1971	252525
B	422m NW	Unspecified Tank	1961	252525
B	422m NW	Unspecified Tank	1959	252525
B	423m NW	Tanks	1998	252730
D	423m SW	Unspecified Tank	1999	238853
B	423m NW	Tanks	1979	245057
B	423m NW	Tanks	1988	245057
B	423m NW	Tanks	1988	245057
B	423m NW	Tanks	1979	245057
B	424m NW	Tanks	1989	252730
D	424m SW	Unspecified Tank	1999	238852



ID	Location	Land Use	Date	Group ID
D	425m SW	Unspecified Tank	1999	238855
B	427m NW	Tanks	1959	257240
B	427m NW	Unspecified Tank	1971	249700
B	427m NW	Unspecified Tank	1961	249700
F	427m W	Tanks	1999	234299
B	427m NW	Tanks	1998	252032
B	428m NW	Tanks	1979	250698
B	428m NW	Tanks	1988	250698
B	428m NW	Tanks	1988	250698
B	428m NW	Tanks	1979	250698
B	428m NW	Tanks	1989	260179
B	430m NW	Unspecified Tank	1971	255855
B	430m NW	Unspecified Tank	1961	255855
B	430m NW	Tanks	1998	255097
B	430m W	Tanks	1998	258141
B	430m W	Tanks	1999	258141
D	432m SW	Unspecified Tank	1999	241672
B	434m NW	Tanks	1979	250325
B	434m NW	Tanks	1988	250325
B	434m NW	Tanks	1988	250325
B	434m NW	Tanks	1979	250325
B	435m NW	Tanks	1989	250325
B	438m NW	Tanks	1932	235741
B	438m W	Tanks	1979	260156
B	438m W	Tanks	1988	260156
B	438m W	Tanks	1988	260156
B	439m NW	Tanks	1979	253633
B	439m NW	Tanks	1988	253633



ID	Location	Land Use	Date	Group ID
B	439m NW	Tanks	1988	253633
B	439m NW	Tanks	1979	253633
B	439m NW	Tanks	1932	235743
F	439m W	Unspecified Tank	1999	238843
B	439m NW	Unspecified Tank	1932	238868
B	440m NW	Tanks	1989	254713
F	441m W	Tanks	1999	234293
B	442m W	Tanks	1998	246490
B	442m W	Tanks	1999	246490
F	442m W	Tanks	1999	234292
B	444m NW	Unspecified Tank	1989	248438
B	444m NW	Unspecified Tank	1998	248438
B	444m NW	Unspecified Tank	1988	248438
B	444m NW	Unspecified Tank	1988	248438
F	445m W	Tanks	1999	234289
F	447m W	Unspecified Tank	1999	238839
B	447m W	Tanks	1979	257788
B	448m W	Tanks	1989	261872
F	449m W	Unspecified Tank	1999	238837
B	449m W	Tanks	1988	261872
B	449m W	Tanks	1988	261872
B	449m W	Tanks	1979	261872
F	450m W	Unspecified Tank	1999	238838
F	451m W	Tanks	1999	234294
B	452m NW	Tanks	1979	254329
B	453m W	Unspecified Tank	1979	238870
B	453m NW	Tanks	1989	260392
B	454m NW	Tanks	1988	247056



ID	Location	Land Use	Date	Group ID
B	454m NW	Tanks	1988	247056
B	454m NW	Tanks	1979	247056
F	455m W	Tanks	1999	234290
F	458m W	Tanks	1999	234291
B	458m NW	Unspecified Tank	1989	243440
B	459m NW	Tanks	1979	236184
B	461m NW	Tanks	1979	251418
B	463m NW	Tanks	1989	246994
B	465m NW	Tanks	1988	246994
B	465m NW	Tanks	1988	259816
J	466m SW	Unspecified Tank	1961	247796
J	467m SW	Unspecified Tank	1957	258463
B	469m W	Tanks	1979	256804
B	469m W	Tanks	1979	256804
B	470m NW	Tanks	1979	235746
B	473m NW	Tanks	1979	260326
B	476m NW	Tanks	1998	245189
B	476m NW	Tanks	1999	245189
B	476m NW	Unspecified Tank	1979	242291
B	476m NW	Tanks	1979	260326
B	477m W	Unspecified Tank	1979	253485
B	477m W	Unspecified Tank	1979	253485
B	477m NW	Tanks	1979	236185
B	479m NW	Tanks	1998	254650
B	479m NW	Tanks	1999	254650
B	479m NW	Tanks	1979	235745
B	480m NW	Unspecified Tank	1988	256086
B	480m NW	Unspecified Tank	1988	256086



ID	Location	Land Use	Date	Group ID
B	481m NW	Tanks	1998	245492
B	481m NW	Tanks	1999	245492
B	481m W	Unspecified Tank	1932	257095
B	482m NW	Tanks	1932	235742
B	483m NW	Unspecified Tank	1998	250198
B	483m NW	Unspecified Tank	1999	250198
B	493m NW	Unspecified Tank	1932	239689
B	493m W	Unspecified Tank	1998	253822
B	493m W	Unspecified Tank	1999	253822
O	497m NW	Tanks	1932	234636

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

14

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

Features are displayed on the Past land use - un-grouped map on [page 30 >](#)

ID	Location	Land Use	Date	Group ID
D	266m SW	Electricity Substation	1999	143946
E	316m W	Electricity Substation	1989	150922
E	318m W	Electricity Substation	1979	147786
E	319m W	Electricity Substation	1979	159970
E	319m W	Electricity Substation	1988	150077
E	319m W	Electricity Substation	1988	158380
E	319m W	Electricity Substation	1979	147280
E	319m W	Electricity Substation	1999	153696
E	320m W	Electricity Substation	1998	145532
E	320m W	Electricity Substation	1999	145532



ID	Location	Land Use	Date	Group ID
H	406m S	Electricity Substation	1967	155243
H	406m S	Electricity Substation	1989	155243
H	406m S	Electricity Substation	1970	155243
H	407m S	Electricity Substation	1993	155243

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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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	4
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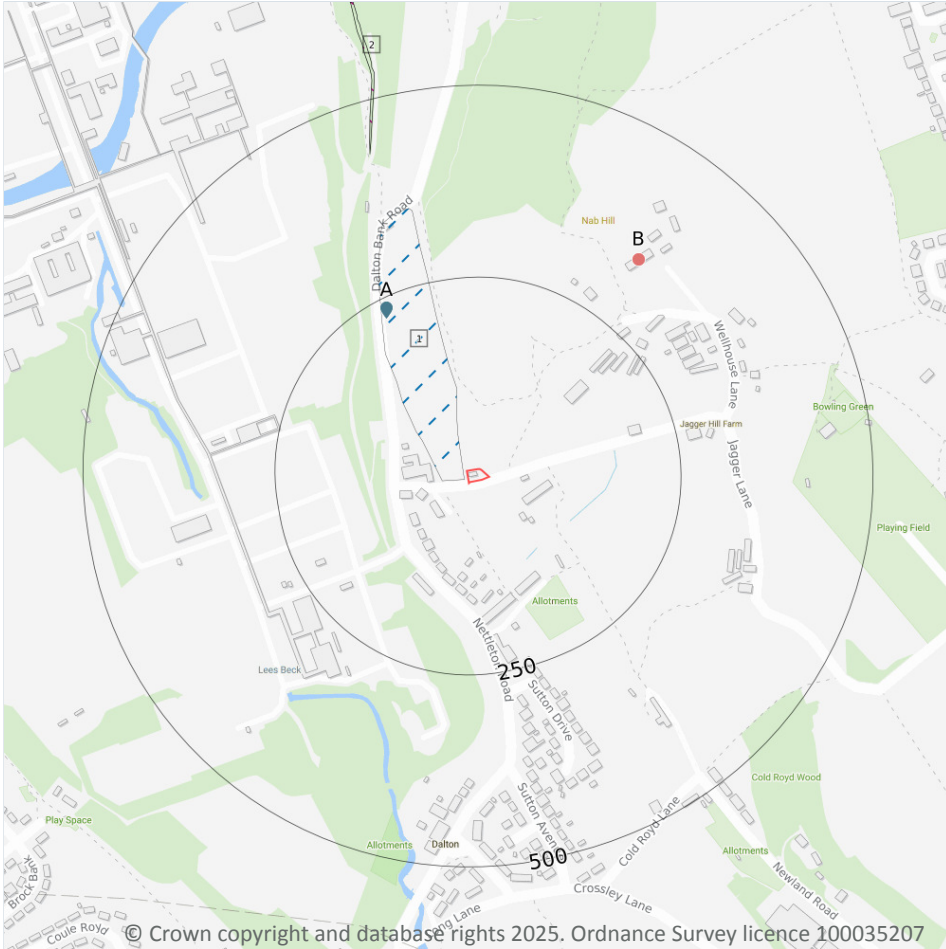
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 30 >](#)

ID	Location	Land Use	Date	Group ID
K	417m S	Garage	1967	49455
K	417m S	Garage	1989	47030
K	417m S	Garage	1970	49455
K	418m S	Garage	1993	50674

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m **1**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 52](#) >

ID	Location	Details	
1	5m W	Operator: C L M Properties Limited Site Address: C L M Properties Limited, 27 The Barn, Brook Lane, Golcar, Huddersfield, West Yorkshire, HD7 4JA	WML Number: 61025 EPR Reference: 646184 Landfill type: A05: Landfill taking Non-Biodegradable Wastes Status: Closure IPPC Reference: - EPR Number: EA/EPR/KP3295ZE



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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on [page 52 >](#)

ID	Location	Site address	Source	Data type
2	433m N	Refuse Tips	1970 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

0

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

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

3.5 Historical waste sites

Records within 500m

0

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

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



3.6 Licensed waste sites

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 52 >](#)

ID	Location	Details		
A	234m NW	Site Name: C L M Properties Ltd Site Address: The Barn, 27, Brook Lane, Golcar, Huddersfield, West Yorkshire, HD7 4JA Correspondence Address: -	Type of Site: Landfill taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CLL001 EPR reference: EA/EPR/KP3295ZE/A001 Operator: C L M Properties Limited Waste Management licence No: 61025 Annual Tonnage: 150000	Issue Date: 29/05/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
A	234m NW	Site Name: C L M Properties Ltd Site Address: The Barn, 27, Brook Lane, Golcar, Huddersfield, West Yorkshire, HD7 4JA Correspondence Address: The Barn, 27, Brook Lane, Golcar, Huddersfield, West Yorkshire, HD7 4JA	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CLL001 EPR reference: - Operator: C L M Properties Limited Waste Management licence No: 61025 Annual Tonnage: 0	Issue Date: 29/05/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
A	234m NW	Site Name: C L M Properties Ltd Site Address: 27 The Barn, Brook Lane, Golcar, Huddersfield, West Yorkshire, HD7 4JA Correspondence Address: -	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 650093 EPR reference: EA/EPR/KP3295ZE Operator: C L M Properties Limited Waste Management licence No: 61025 Annual Tonnage: 150000	Issue Date: 29/05/1992 Effective Date: 29/05/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure

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



3.7 Waste exemptions

Records within 500m	4
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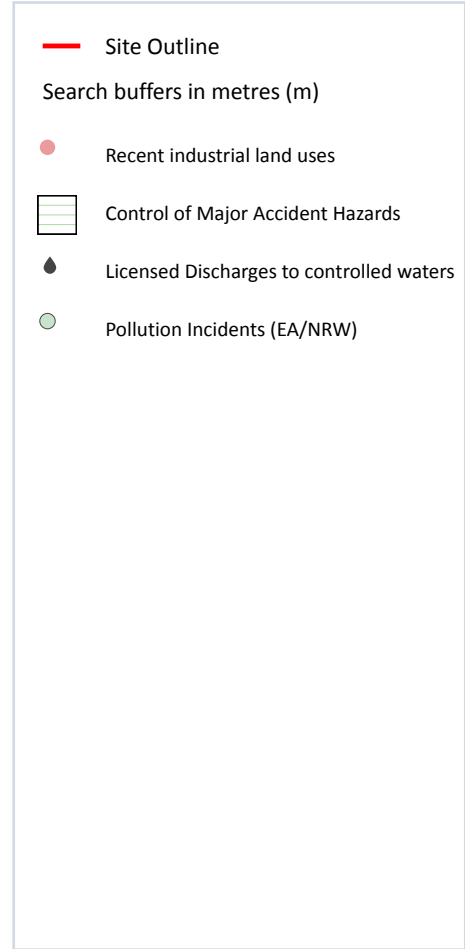
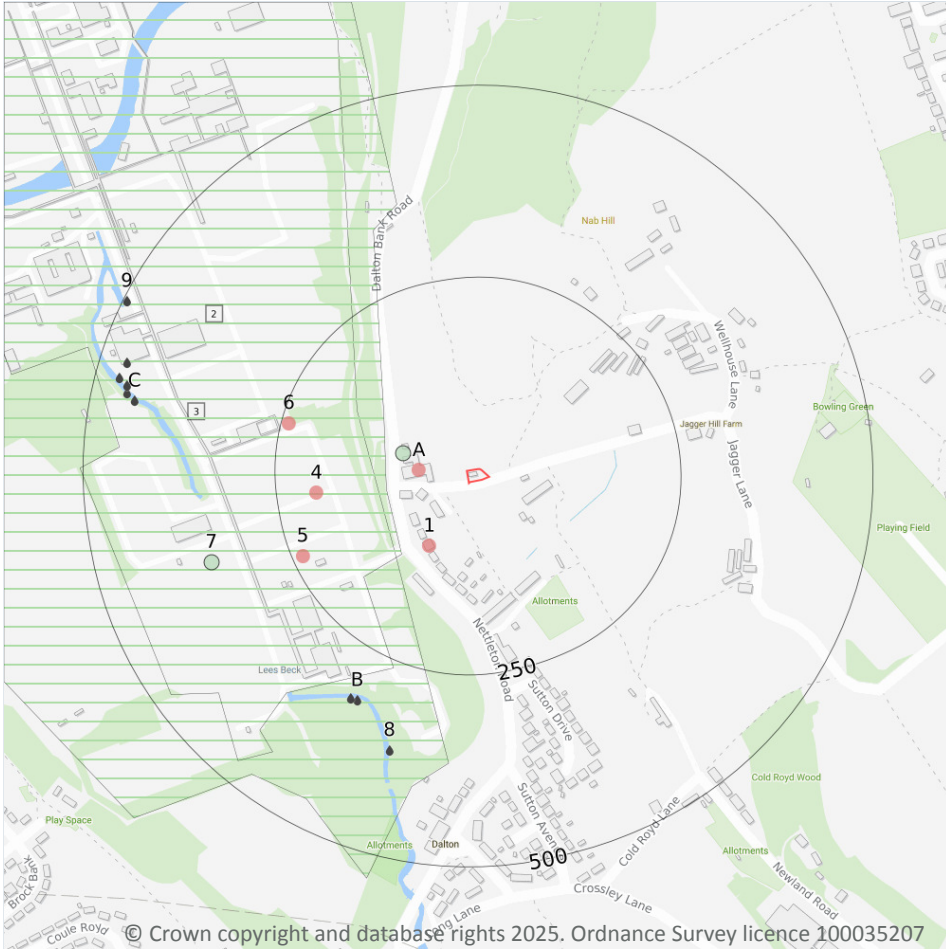
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 52 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
B	342m NE	20 Hyacinth Farm The Close, 20 Hyacinth Farm The Close, Wellhouse Lane, Huddersfield, Hd5 0rb	WEX294863	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	342m NE	20 Hyacinth Farm The Close, 20 Hyacinth Farm The Close, Wellhouse Lane, Huddersfield, Hd5 0rb	WEX294863	Using waste exemption	On a farm	Use of waste in construction
B	342m NE	20 Hyacinth Farm The Close, 20 Hyacinth Farm The Close, Wellhouse Lane, Huddersfield, Hd5 0rb	WEX159857	Using waste exemption	On a farm	Use of waste in construction
B	342m NE	20 Hyacinth Farm The Close, 20 Hyacinth Farm The Close, Wellhouse Lane, Huddersfield, Hd5 0rb	WEX159857	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m 5

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 56](#) >

ID	Location	Company	Address	Activity	Category
A	63m W	Longo Ices	2, Jagger Lane, Kirkheaton, Huddersfield, West Yorkshire, HD5 0QY	Dairy Products	Foodstuffs
1	97m SW	Premier Mobile Valeting	78, Nettleton Road, Dalton, Huddersfield, West Yorkshire, HD5 9TE	Vehicle Cleaning Services	Personal, Consumer and Other Services
4	198m W	Tank	West Yorkshire, HD5	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
5	236m SW	Tank	West Yorkshire, HD5	Tanks (Generic)	Industrial Features
6	240m W	Tank	West Yorkshire, HD5	Tanks (Generic)	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 **2**

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

Features are displayed on the Current industrial land use map on [page 56 >](#)



ID	Location	Company	Address	Operational status	Tier
2	106m W	Syngenta Limited	Syngenta Limited, Huddersfield, PO Box A38, Leeds Road, Huddersfield, West Yorkshire, HD2 1FF	Current COMAH Site	COMAH Upper Tier Operator
3	116m W	Arch Timber Protection Limited	Arch Timber Protection Limited, Huddersfield, Huddersfield Works, Leeds Road, Huddersfield, West Yorkshire, HD2 1YU	Current COMAH Site	COMAH Upper Tier Operator

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m **0**

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m **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

9

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 56 >](#)

ID	Location	Address	Details	
B	318m SW	DALTONICINORTHNO2CSO,NETTL ETONROAD(OFF,LEESBECK,HUDD ERSFIELD,WESTYORKSHIRE,HD59 SU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8422 Permit Version: 1 Receiving Water: LEES HEAD BECK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/02/2005 Effective Date: 31/03/2005 Revocation Date: 14/11/2017
B	321m SW	DALTONICINORTHNO2CSO,NETTL ETONROAD(OFF,LEESBECK,HUDD ERSFIELD,WESTYORKSHIRE,HD59 SU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8422 Permit Version: 2 Receiving Water: LEES HEAD BECK	Status: VARIED UNDER EPR 2010 Issue date: 15/11/2017 Effective Date: 15/11/2017 Revocation Date: -
8	363m S	DALTONICISOUTHCSO,NETTLETO NROAD(RONO15,HUDDERSFIELD, WESTYORKSHIRE,HD59SU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 1375 Permit Version: 2 Receiving Water: LEES HD BECK TRIB COLNE/CALDER	Status: VARIED UNDER EPR 2010 Issue date: 22/11/2018 Effective Date: 22/11/2018 Revocation Date: -



ID	Location	Address	Details	
C	442m W	DALTONWORKS,LEEDSROAD,HUD DERSFIELD,WESTYORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 2445 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 11/11/1968 Effective Date: 11/11/1968 Revocation Date: 04/08/1992
C	454m W	DALTONWORKS,LEEDSROAD,HUD DERSFIELD,WESTYORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: E5 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 26/03/1963 Effective Date: 26/03/1963 Revocation Date: 04/08/1992
C	457m W	DALTONWORKS,LEEDSROAD,HUD DERSFIELD,WESTYORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: E5 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 26/03/1963 Effective Date: 26/03/1963 Revocation Date: 04/08/1992
C	465m W	DALTONWORKS,LEEDSROAD,HUD DERSFIELD,WESTYORKSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: WRA6702 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 03/08/1992 Effective Date: 03/08/1992 Revocation Date: 08/08/2001
C	469m W	DALTONWORKS,LEEDSROAD,HUD DERSFIELD,WESTYORKSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 2445 Permit Version: 1 Receiving Water: RIVER COLNE	Status: REVOKED - UNSPECIFIED Issue date: 11/11/1968 Effective Date: 11/11/1968 Revocation Date: 04/08/1992
9	495m NW	NORTHOFENGLANDWORKS,LEED SROAD,HUDDERSFIELD,WESTYOR KSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: WRA7090 Permit Version: 1 Receiving Water: FENAY BECK	Status: CONSENT REVOKED - DISCHARGE CEASED (WRA 91, SCHED 10 & 6) Issue date: 23/09/1994 Effective Date: 23/09/1994 Revocation Date: 16/09/1996

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 **2**

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 56 >](#)

ID	Location	Details	
A	86m W	Incident Date: 13/08/2002 Incident Identification: 99831 Pollutant: Oils and Fuel Pollutant Description: Other Oil or Fuel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
7	351m W	Incident Date: 20/09/2001 Incident Identification: 31845 Pollutant: Inorganic Chemicals/Products Pollutant Description: Acids	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m

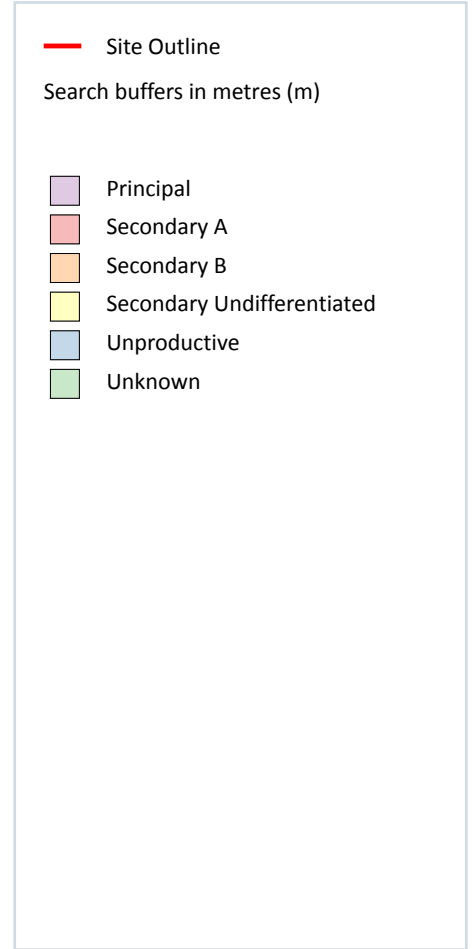
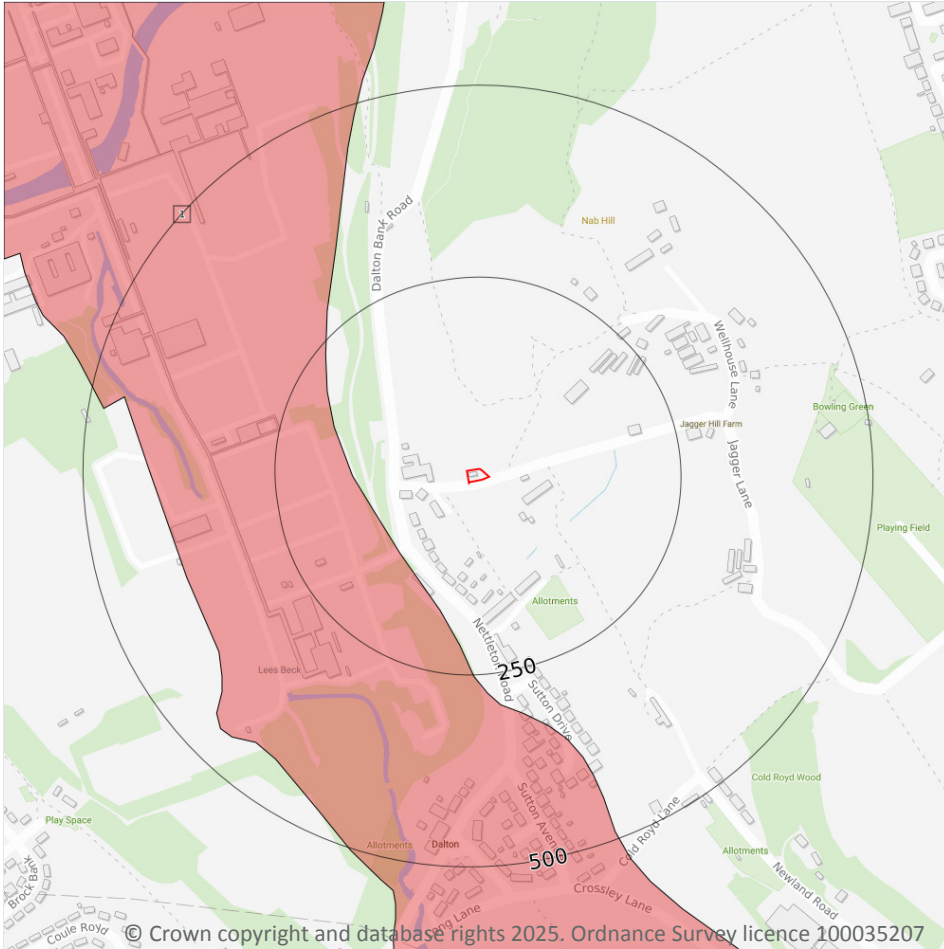
0

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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

1

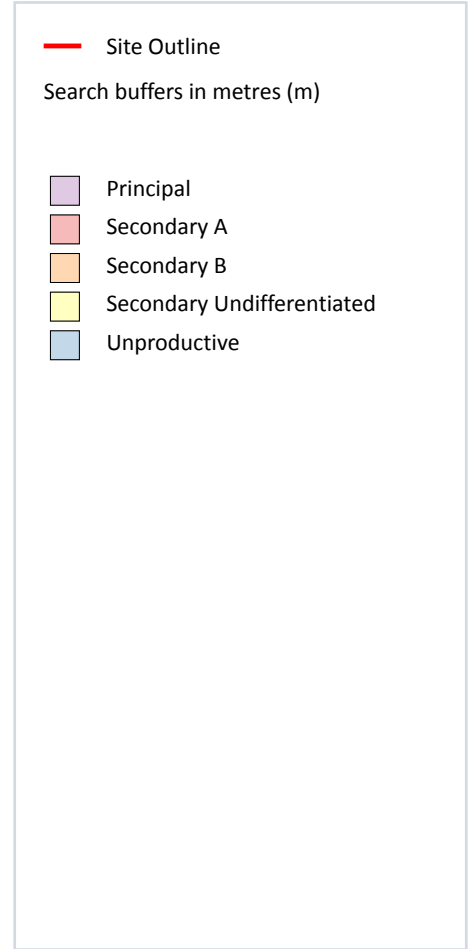
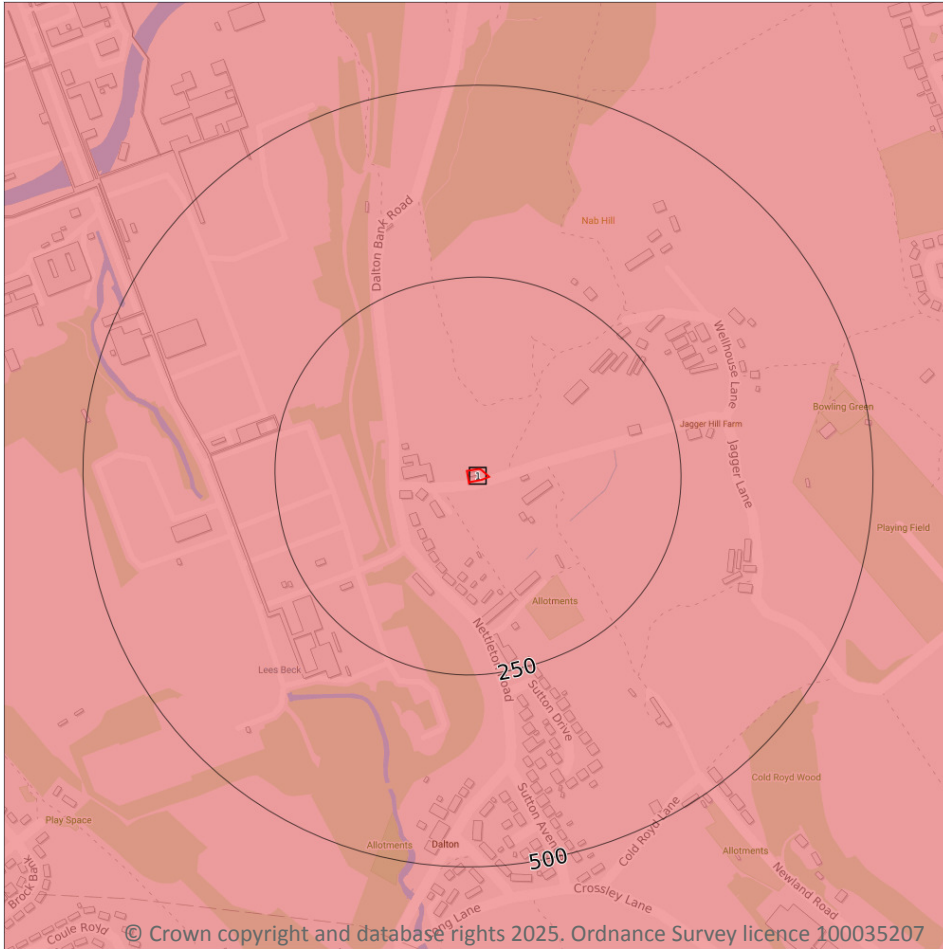
Aquifer status of groundwater held within superficial geology.

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

ID	Location	Designation	Description
1	125m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

1

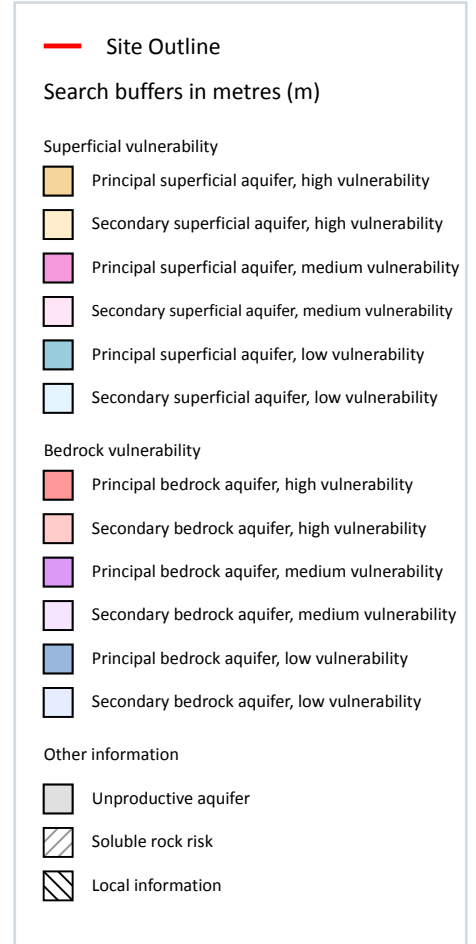
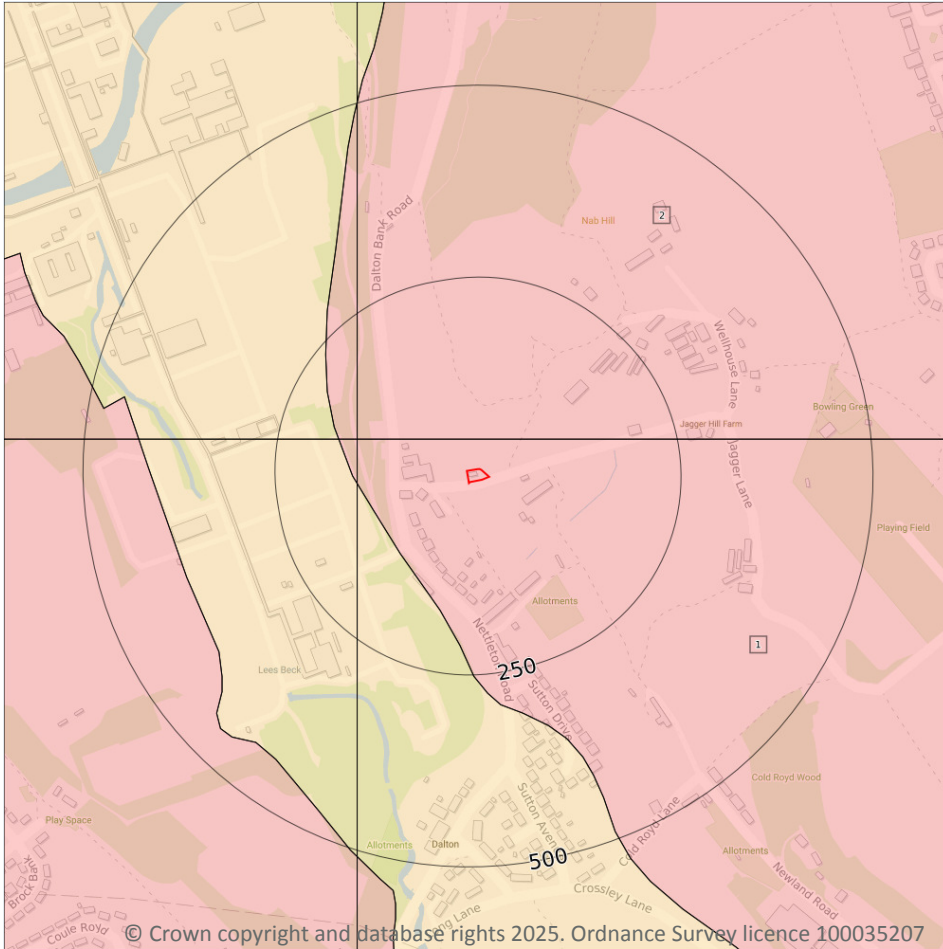
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 64](#) >

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

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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 65 >](#)

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	39m N	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m 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
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

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

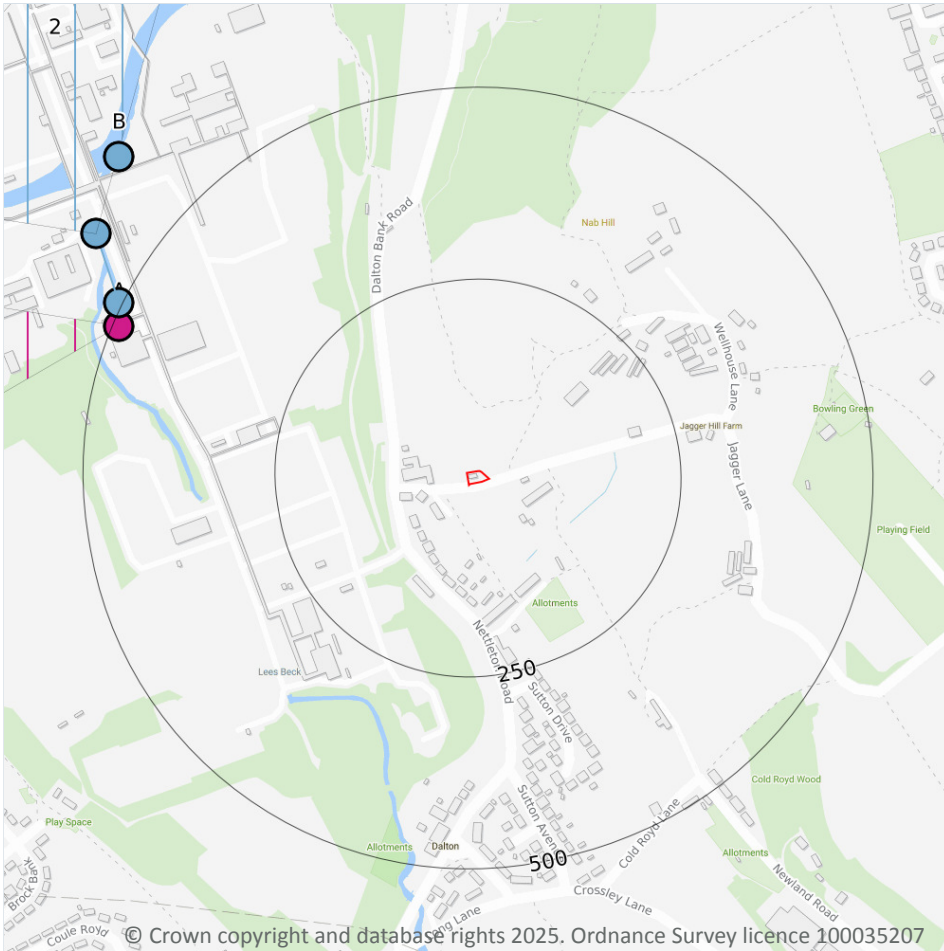
5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

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

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

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

35

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 67](#) >

ID	Location	Details	
1	492m NW	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X4 - CARBONIFEROUS MILLSTONE GRIT Data Type: Poly4 Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416690 Northing: 418150	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
A	492m NW	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 1 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418150	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 1091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -
A	492m NW	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 1 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418150	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 1091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -
-	663m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW10 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416933 Northing: 418587	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -



ID	Location	Details	
-	663m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW09 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416928 Northing: 418586	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	664m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW08 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416923 Northing: 418585	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	665m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW07 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416918 Northing: 418584	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	665m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW06 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416913 Northing: 418583	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	666m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW05 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416908 Northing: 418582	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -



ID	Location	Details	
-	667m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW04 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416903 Northing: 418581	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	668m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW03 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416898 Northing: 418580	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	669m NW	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW02 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416893 Northing: 418579	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	670m NW	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW01 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416888 Northing: 418578	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	699m N	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - PW-1 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416896 Northing: 418613	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -



ID	Location	Details	
-	745m NW	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-202 Data Type: Point Name: SYNGENTA LTD Easting: 416815 Northing: 418627	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	747m NW	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-204 Data Type: Point Name: SYNGENTA LTD Easting: 416859 Northing: 418649	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	748m NW	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-103 Data Type: Point Name: SYNGENTA LTD Easting: 416845 Northing: 418645	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	750m NW	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-201 Data Type: Point Name: SYNGENTA LTD Easting: 416789 Northing: 418620	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	751m NW	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-203 Data Type: Point Name: SYNGENTA LTD Easting: 416833 Northing: 418643	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -



ID	Location	Details	
-	760m N	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-205 Data Type: Point Name: SYNGENTA LTD Easting: 416868 Northing: 418667	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	773m N	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-401 Data Type: Point Name: SYNGENTA LTD Easting: 416881 Northing: 418686	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	777m N	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-402 Data Type: Point Name: SYNGENTA LTD Easting: 416896 Northing: 418695	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	799m N	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE MW5 Data Type: Point Name: SYNGENTA LTD Easting: 416915 Northing: 418724	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	810m W	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 2 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416370 Northing: 418200	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 1091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -



ID	Location	Details	
-	810m W	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 2 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416370 Northing: 418200	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 1091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -
-	826m N	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-301 Data Type: Point Name: SYNGENTA LTD Easting: 416917 Northing: 418753	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	830m E	Status: Historical Licence No: 2/27/11/039 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: SPRING Data Type: Point Name: HUDDERSFIELD FINE WORSTEDS LTD (BRANCH OF MORRIS & CO LTD) Easting: 418000 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/09/1977 Version End Date: -
-	830m E	Status: Historical Licence No: 2/27/11/039 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: SPRING - KIRKHEATON MILLS Data Type: Point Name: HUDDERSFIELD FINE WORSTEDS LTD Easting: 418000 Northing: 417900	Annual Volume (m ³): 44005 Max Daily Volume (m ³): 180.022 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 17/05/2002 Version End Date: -



ID	Location	Details	
-	842m E	Status: Historical Licence No: 2/27/11/172 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: HUDDERSFIELD FINE WORSTEDS Easting: 418000 Northing: 417800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 30/10/1990 Expiry Date: - Issue No: 100 Version Start Date: 30/10/1990 Version End Date: -
-	842m E	Status: Historical Licence No: 2/27/11/172 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - KIRKHEATON Data Type: Point Name: HUDDERSFIELD FINE WORSTEDS LTD Easting: 418000 Northing: 417800	Annual Volume (m ³): 25000 Max Daily Volume (m ³): 163 Original Application No: - Original Start Date: 30/10/1990 Expiry Date: - Issue No: 101 Version Start Date: 17/05/2002 Version End Date: -
-	851m N	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-304 Data Type: Point Name: SYNGENTA LTD Easting: 416902 Northing: 418775	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	875m N	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-403 Data Type: Point Name: SYNGENTA LTD Easting: 416902 Northing: 418800	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	887m N	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-404 Data Type: Point Name: SYNGENTA LTD Easting: 416889 Northing: 418808	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -



ID	Location	Details	
-	1723m SE	Status: Historical Licence No: 2/27/11/188 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - LOWER COAL MEASURES - HUDDERSFIELD Data Type: Point Name: Total Fitness 2010 Ltd Easting: 417880 Northing: 416380	Annual Volume (m ³): 60000 Max Daily Volume (m ³): 250 Original Application No: - Original Start Date: 16/07/2001 Expiry Date: 31/03/2015 Issue No: 3 Version Start Date: 08/02/2012 Version End Date: -
-	1728m SE	Status: Historical Licence No: 2/27/11/188/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - LOWER COAL MEASURES - HUDDERSFIELD Data Type: Point Name: Total Fitness Health Clubs Ltd Easting: 417876 Northing: 416373	Annual Volume (m ³): 31000 Max Daily Volume (m ³): 250 Original Application No: NPS/WR/018037 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

13

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 67 >](#)

ID	Location	Details	
A	504m NW	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 1 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418180	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -



ID	Location	Details	
A	504m NW	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 1 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418180	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
A	504m NW	Status: Historical Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - DALTON WORKS HUDDERSFIELD Data Type: Line Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416660 Northing: 418270	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/04/1985 Version End Date: -
2	575m NW	Status: Historical Licence No: 2/27/11/059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Poly3 Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416660 Northing: 418270	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/04/1985 Version End Date: -
A	575m NW	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES POINT 3 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416660 Northing: 418270	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -



ID	Location	Details	
A	575m NW	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES POINT 3 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416660 Northing: 418270	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
B	612m NW	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 2 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418370	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
B	612m NW	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 2 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418370	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	890m NW	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES - POINT 5 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416330 Northing: 418320	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -

ID	Location	Details	
-	890m NW	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES - POINT 5 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416330 Northing: 418320	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	983m N	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 4 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416830 Northing: 418890	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	983m N	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 4 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416830 Northing: 418890	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1240m N	Status: Historical Licence No: 2/27/11/162 Details: Potable Water Supply - Direct Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: YORKSHIRE WATER SERVICES LTD Easting: 417200 Northing: 419200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/03/1977 Expiry Date: - Issue No: 100 Version Start Date: 02/03/1977 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m

1

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 67 >](#)

ID	Location	Details	
-	1240m N	Status: Historical Licence No: 2/27/11/162 Details: Potable Water Supply - Direct Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: YORKSHIRE WATER SERVICES LTD Easting: 417200 Northing: 419200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/03/1977 Expiry Date: - Issue No: 100 Version Start Date: 02/03/1977 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

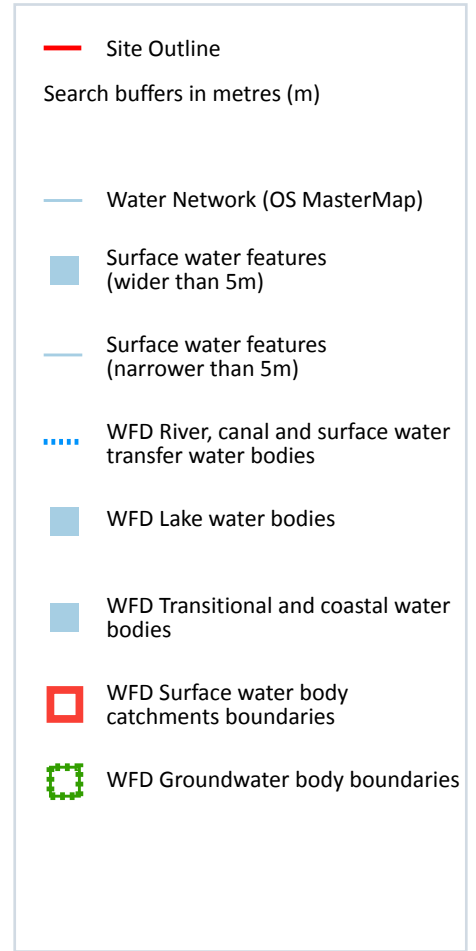
0

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

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



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

4

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 80 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
A	111m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	112m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
2	118m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
B	119m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

2

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 80 >](#)

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 80 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Fenay beck from Source to River Colne	GB104027063340	Colne and Holme	Aire and Calder

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



6.4 WFD Surface water bodies

Records identified

1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 80 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	312m SW	River	Fenay beck from Source to River Colne	GB104027063340 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site

1

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

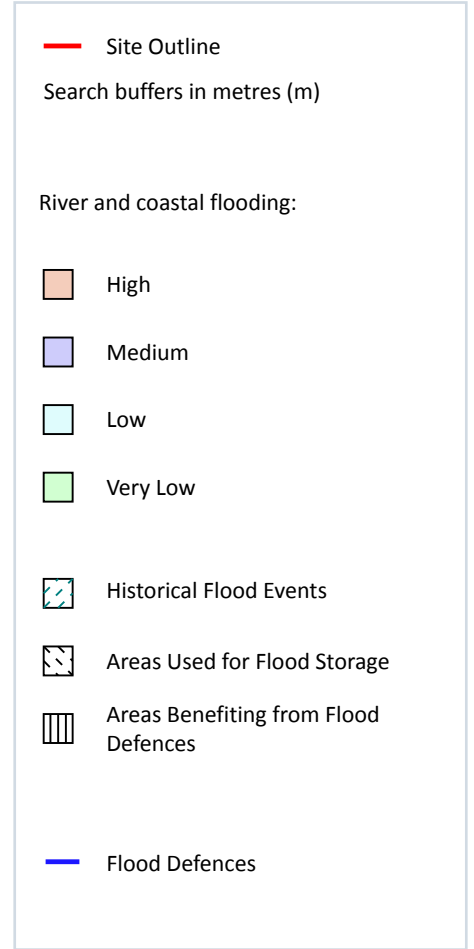
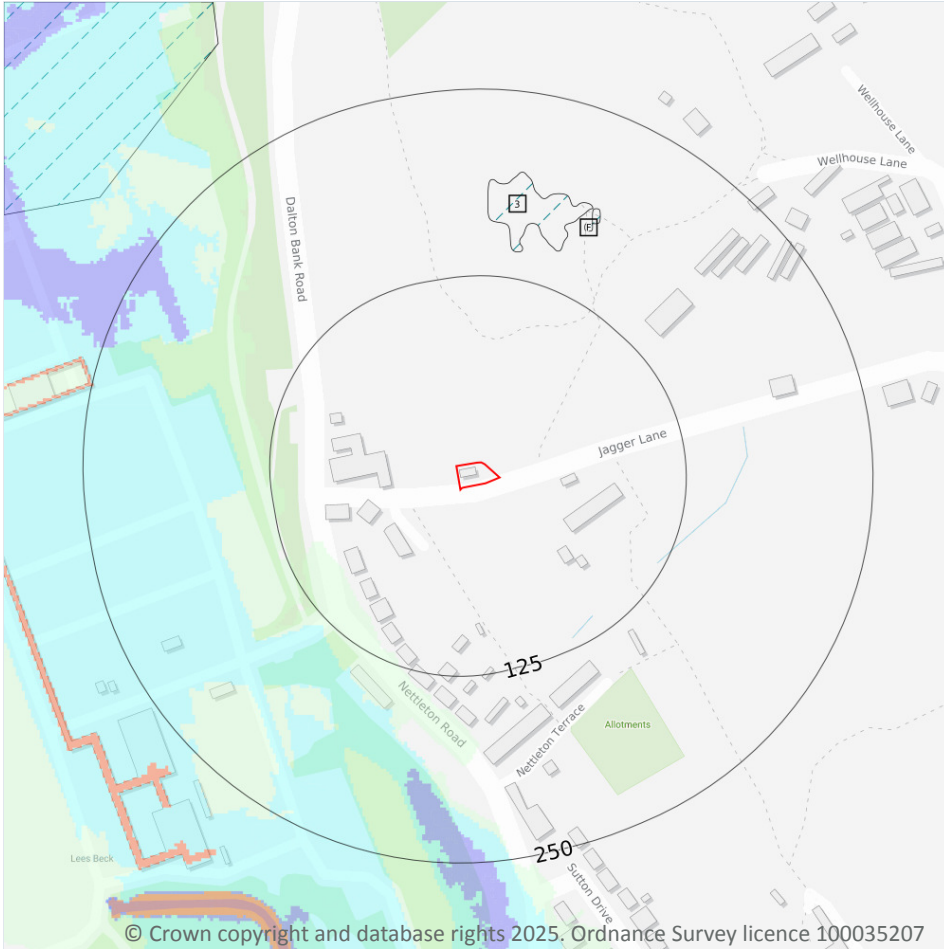
Features are displayed on the Hydrology map on [page 80 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	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

0

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

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

7.2 Historical Flood Events

Records within 250m

3

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

Features are displayed on the River and coastal flooding map on [page 83](#) >

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
3	143m N	Yorkshire	2015-12-29 2015-12-29	Unclassified	Unclassified	No data
F	170m NE	Yorkshire	2015-12-29 2015-12-29	Unclassified	Unclassified	No data
F	176m NE	Yorkshire	2015-12-29 2015-12-29	Unclassified	Unclassified	No data

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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



7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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.

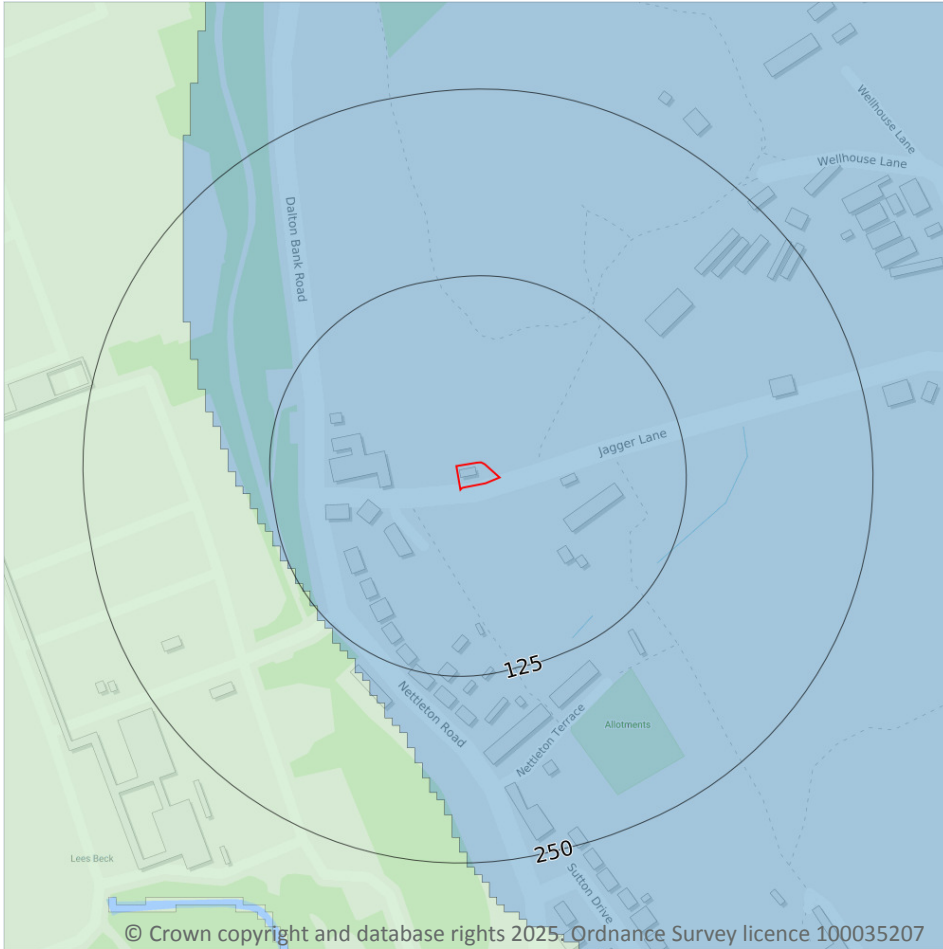
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

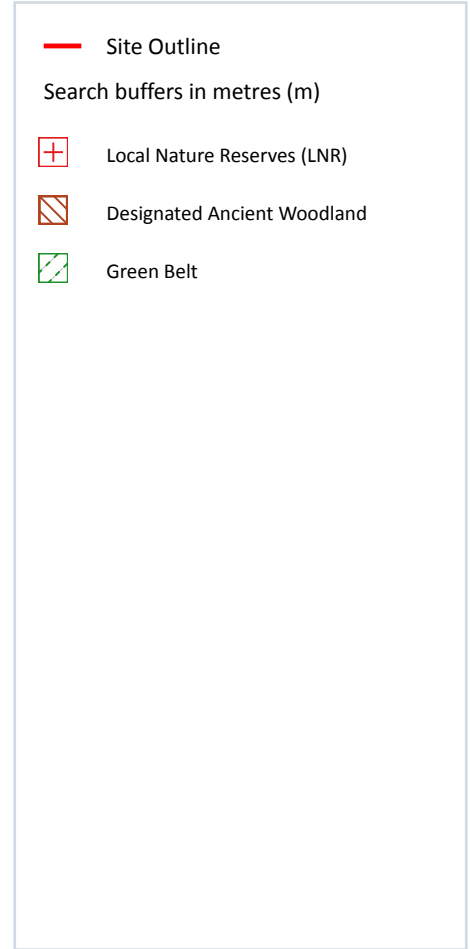
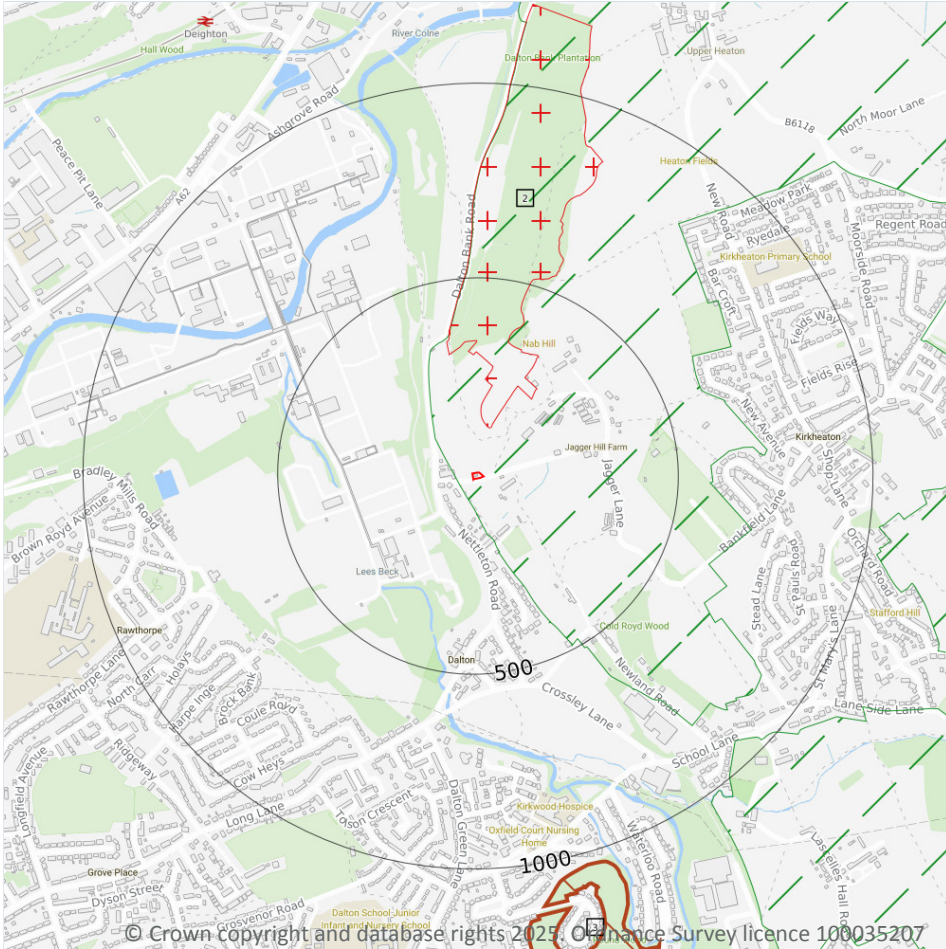
Negligible

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

Features are displayed on the Groundwater flooding map on [page 88](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 89 >](#)

ID	Location	Name	Data source
2	118m N	Dalton Bank	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

1

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 89 >](#)

ID	Location	Name	Woodland Type
3	1031m S	Round Wood	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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



10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 89 >](#)

ID	Location	Name	Local Authority name
1	On site	South and West Yorkshire Green Belt	Kirklees

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

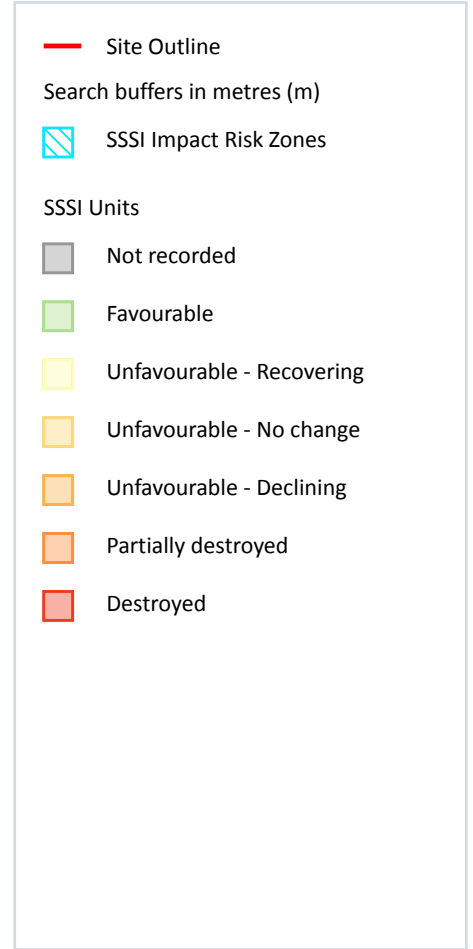
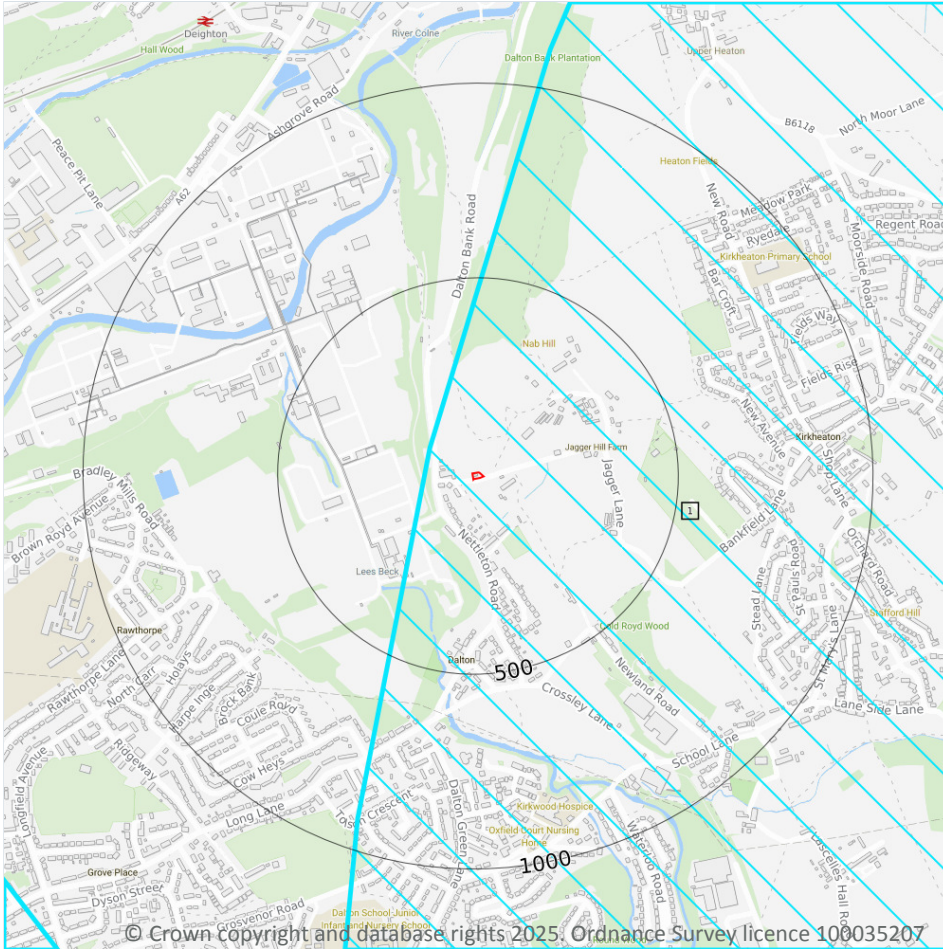
0

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

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 94](#) >

ID	Location	Type of developments requiring consultation
1	On site	Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m². 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

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

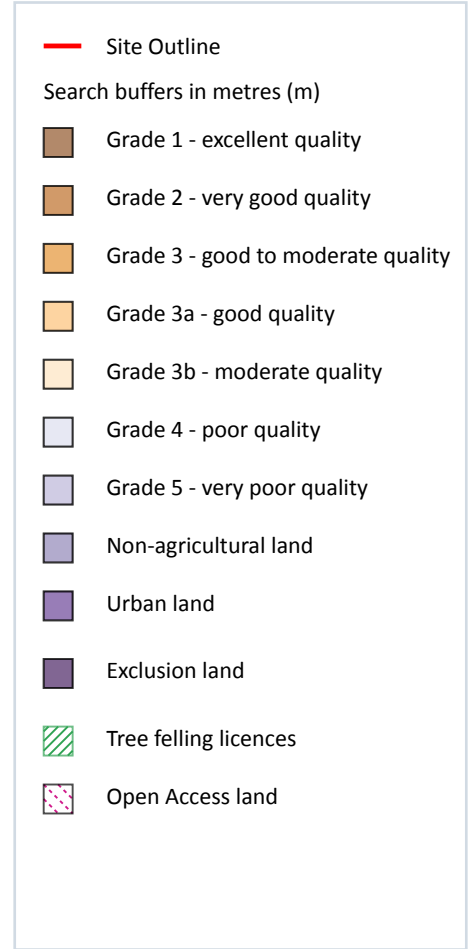
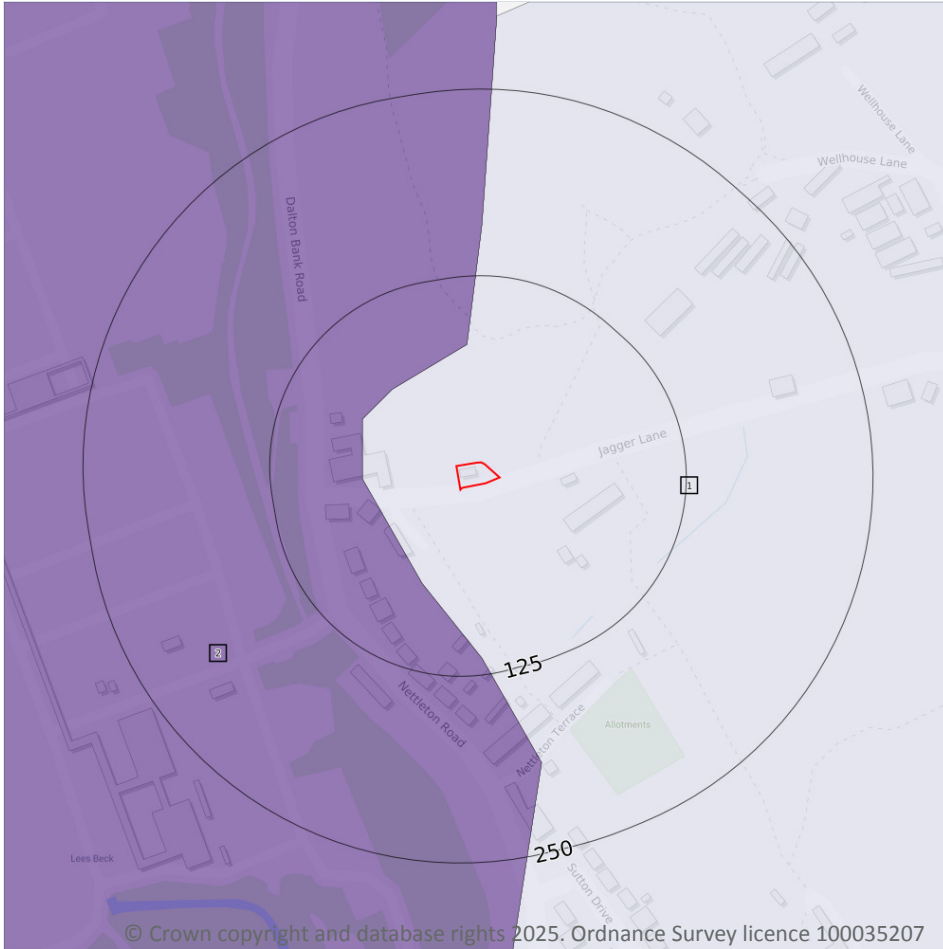
0

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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on [page 98](#) >

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

ID	Location	Classification	Description
2	53m SW	Urban	Non-agricultural/no quality assigned

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

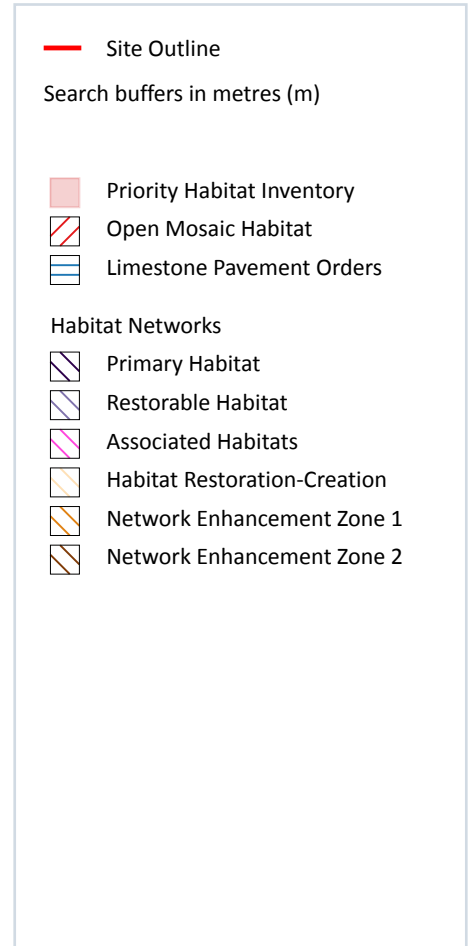
Records within 250m **0**

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

3

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 100](#) >

ID	Location	Main Habitat	Other habitats
2	127m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	135m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	158m S	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 100 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	8m SW	NLUD Ref: 471800764	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-
5	171m S	NLUD Ref: 471801188	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

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.

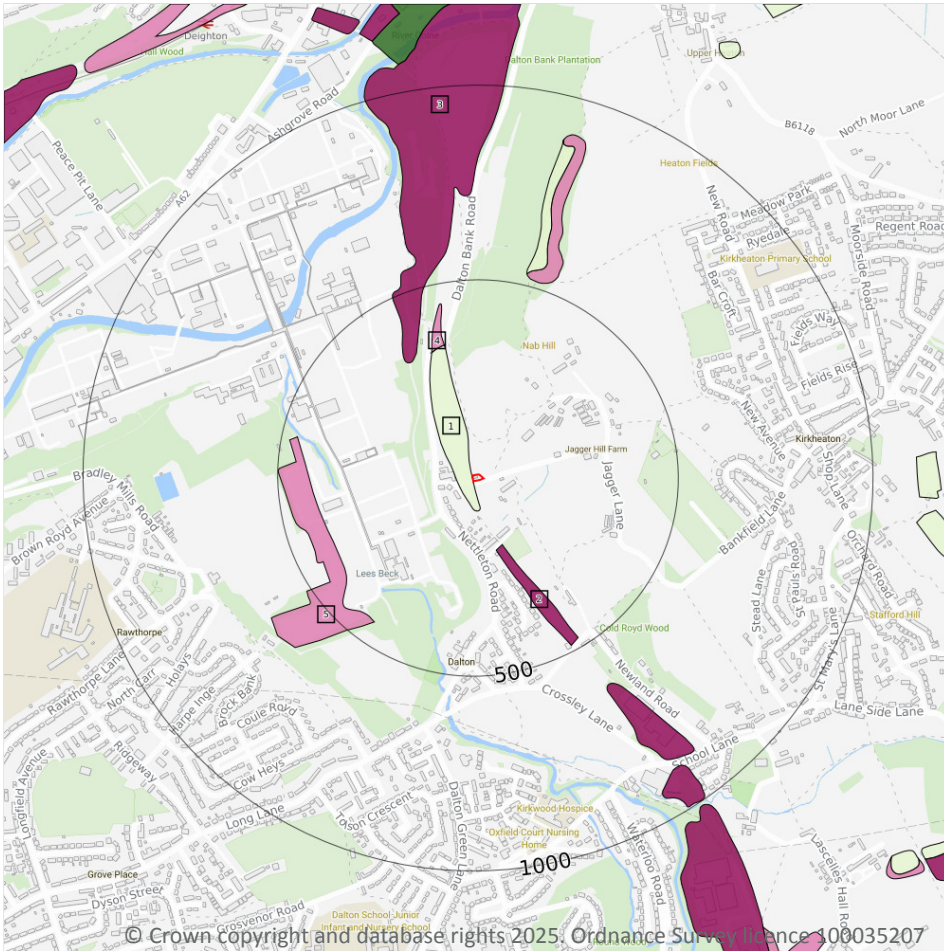
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 102 >](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE11NE

This data is sourced from the British Geological Survey.



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



14.2 Artificial and made ground (10k)

Records within 500m

5

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 103](#) >

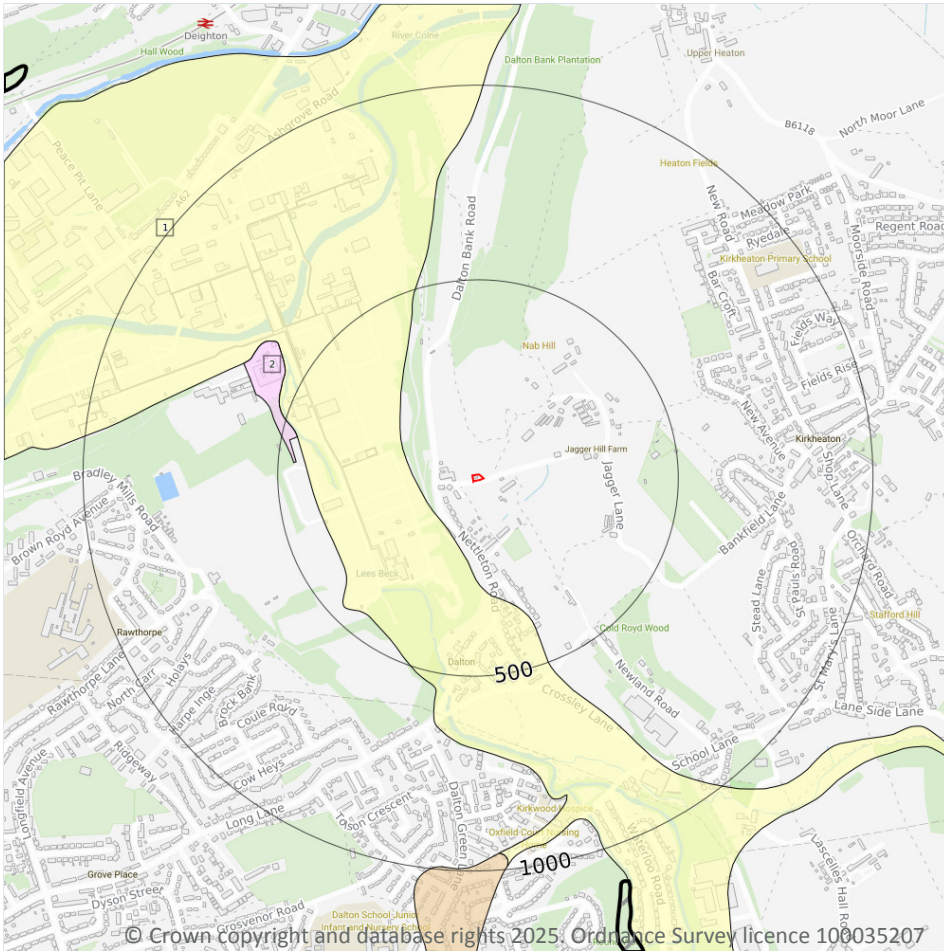
ID	Location	LEX Code	Description	Rock description
1	1m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
2	176m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	330m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	332m N	WGR-VOID	Worked Ground (Undivided)	Void

ID	Location	LEX Code	Description	Rock description
5	391m SW	WGR-VOID	Worked Ground (Undivided)	Void

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

2

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 105 >](#)

ID	Location	LEX Code	Description	Rock description
1	128m SW	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel
2	454m W	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

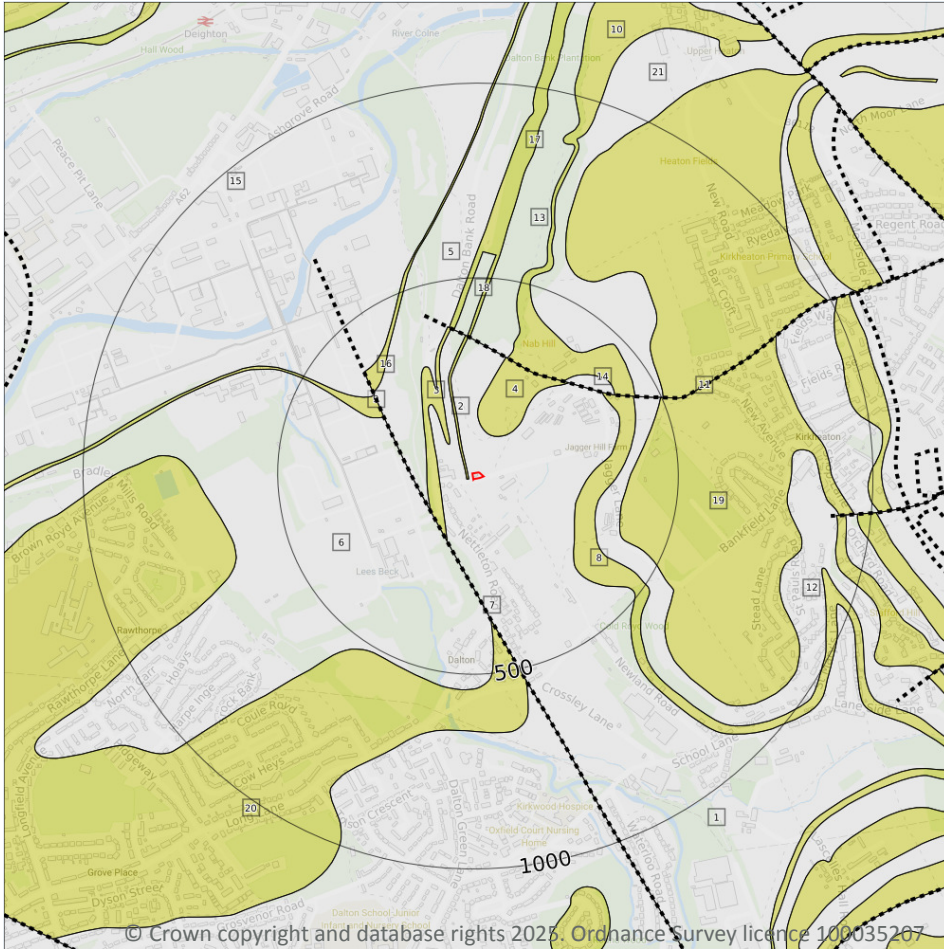
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



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

14.5 Bedrock geology (10k)

Records within 500m

19

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 107](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
2	12m W	EF-SDST	Elland Flags - Sandstone	Langsettian Sub-age
3	86m W	EF-SDST	Elland Flags - Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
4	100m N	GM-SDST	Greenmoor Rock - Sandstone	Langsettian Sub-age
5	117m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
6	136m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
8	246m E	GM-SDST	Greenmoor Rock - Sandstone	Langsettian Sub-age
9	269m NW	EYR-SDST	80 Yard Rock - Sandstone	Langsettian Sub-age
10	292m NE	GM-SDST	Greenmoor Rock - Sandstone	Langsettian Sub-age
12	300m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
13	303m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
14	319m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
15	323m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
16	328m NW	EYR-SDST	80 Yard Rock - Sandstone	Langsettian Sub-age
17	348m N	EF-SDST	Elland Flags - Sandstone	Langsettian Sub-age
18	351m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
19	361m E	GR-SDST	Grenoside Sandstone - Sandstone	Langsettian Sub-age
20	364m S	EF-SDST	Elland Flags - Sandstone	Langsettian Sub-age
21	395m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian 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 107 >](#)

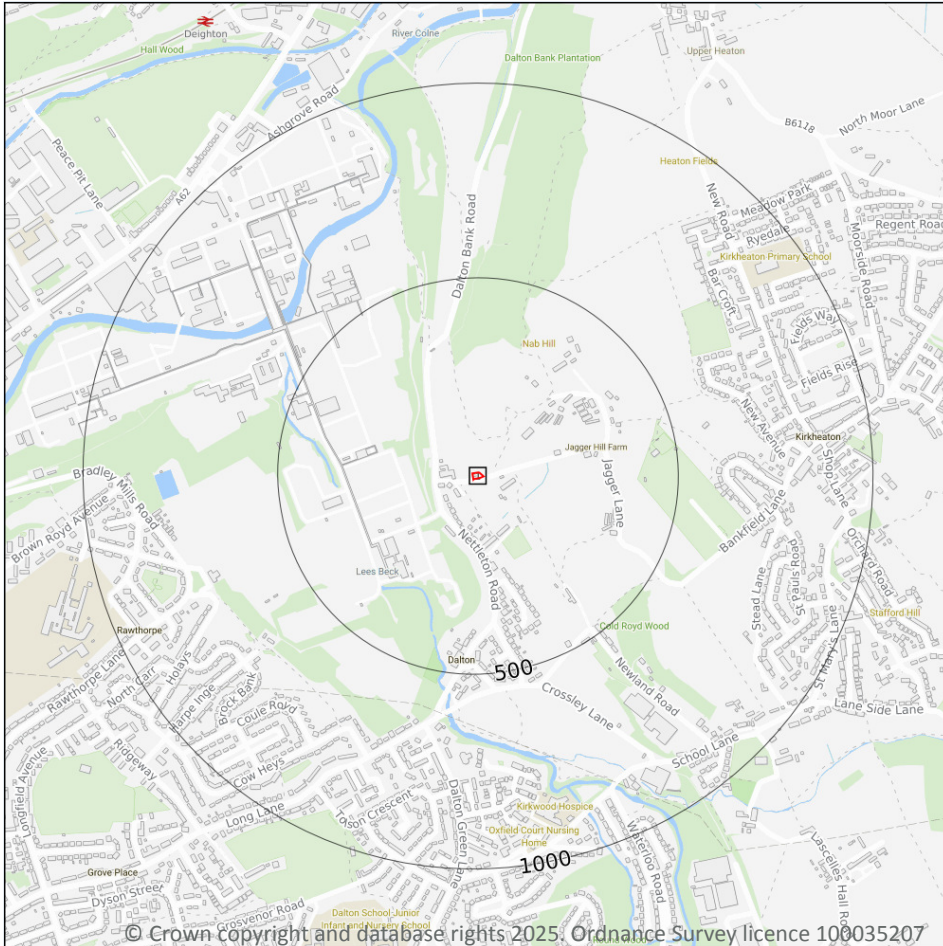


ID	Location	Category	Description
7	136m SW	FAULT	Normal fault, inferred; downthrow not specified
11	292m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side

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.

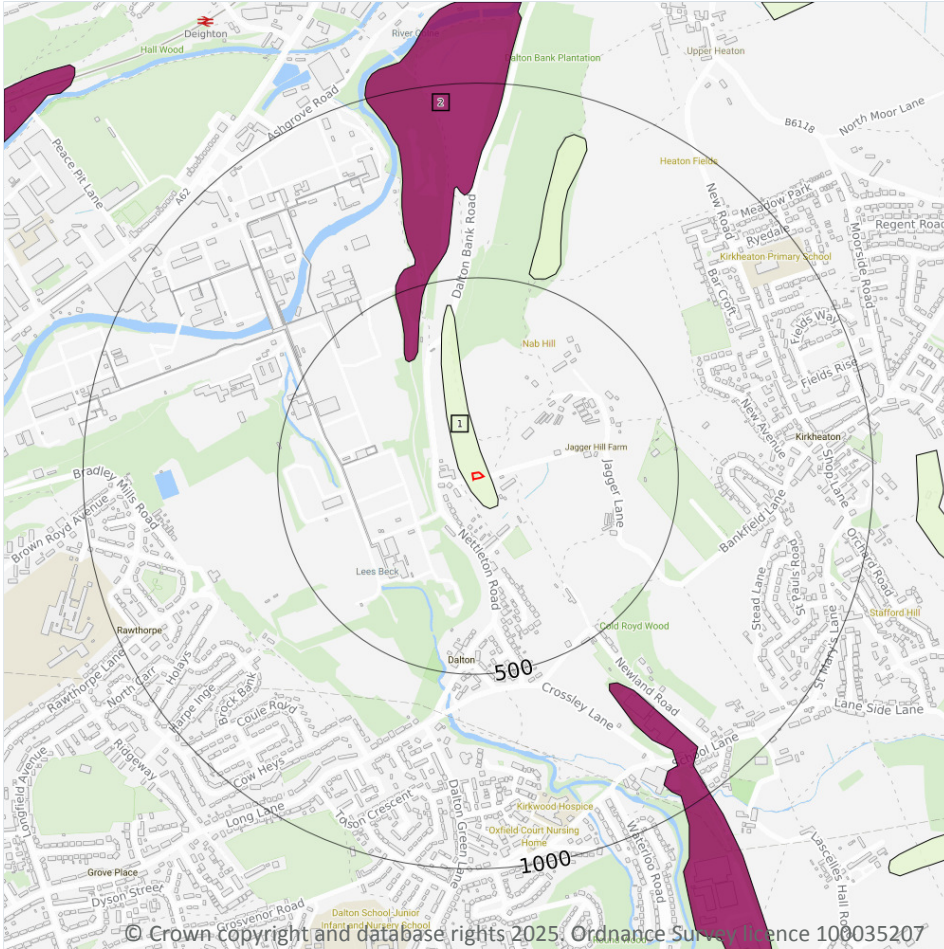
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 110](#) >

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



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 111](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	329m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

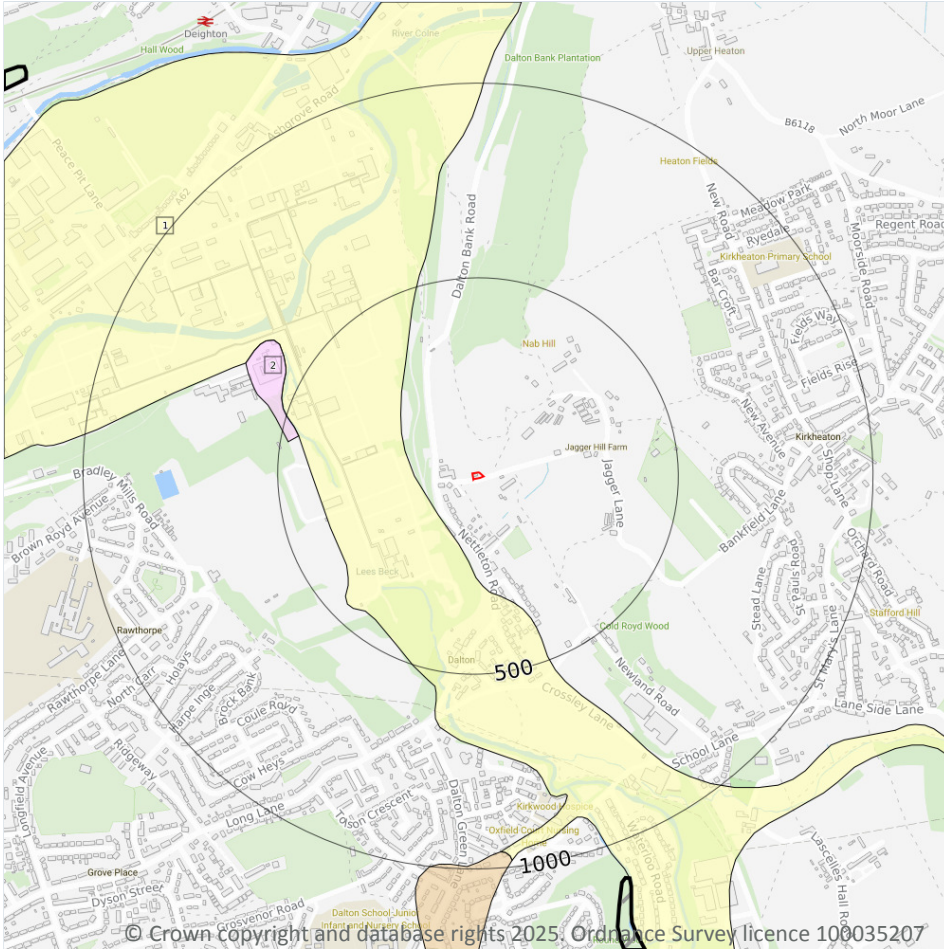
Records within 50m	1
---------------------------	----------

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

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

2

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 113 >](#)

ID	Location	LEX Code	Description	Rock description
1	125m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	456m W	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

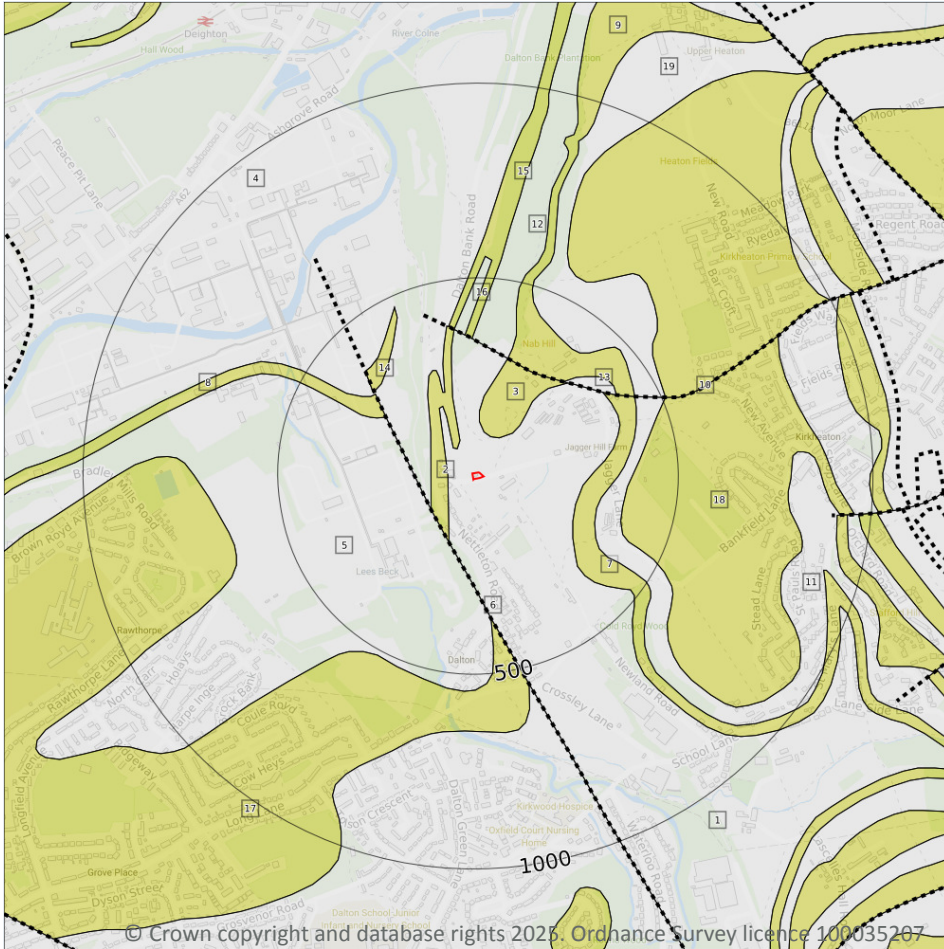
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



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

15.8 Bedrock geology (50k)

Records within 500m

17

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 115](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	63m W	EF-SDST	ELLAND FLAGS - SANDSTONE	WESTPHALIAN
3	97m N	GM-SDST	GREENMOOR ROCK - SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
4	106m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
5	132m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
7	247m E	GM-SDST	GREENMOOR ROCK - SANDSTONE	WESTPHALIAN
8	265m NW	EYR-SDST	80 YARD ROCK - SANDSTONE	WESTPHALIAN
9	291m NE	GM-SDST	GREENMOOR ROCK - SANDSTONE	WESTPHALIAN
11	302m E	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	302m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
13	318m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
14	328m NW	EYR-SDST	80 YARD ROCK - SANDSTONE	WESTPHALIAN
15	344m N	EF-SDST	ELLAND FLAGS - SANDSTONE	WESTPHALIAN
16	355m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
17	360m S	EF-SDST	ELLAND FLAGS - SANDSTONE	WESTPHALIAN
18	366m E	GR-SDST	GRENOSIDE SANDSTONE - SANDSTONE	WESTPHALIAN
19	397m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	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.

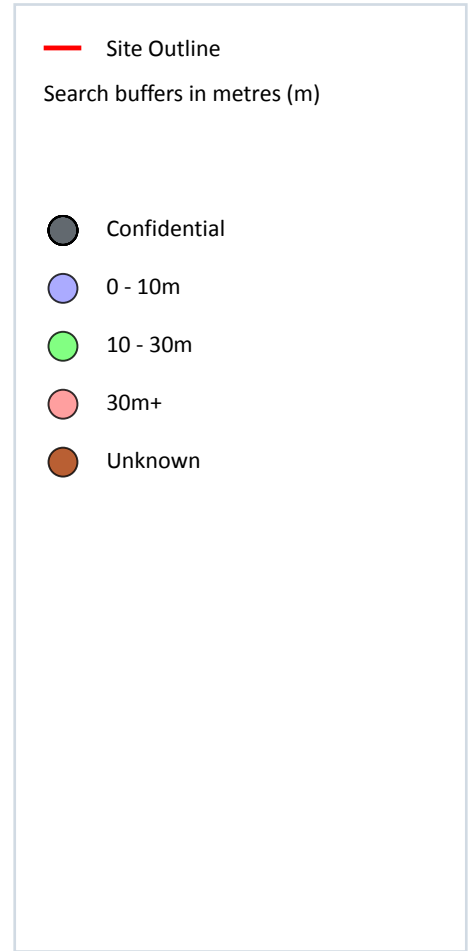
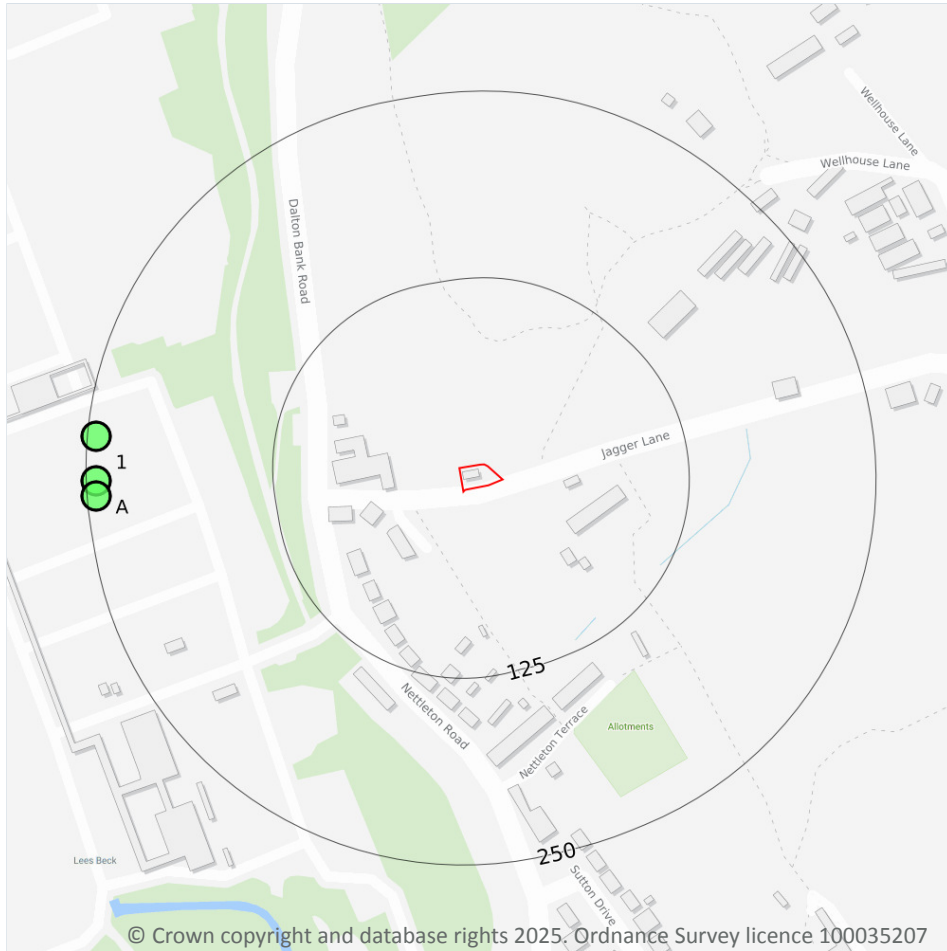
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 115](#) >

ID	Location	Category	Description
6	132m SW	FAULT	Fault, inferred
10	291m NE	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

3

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.

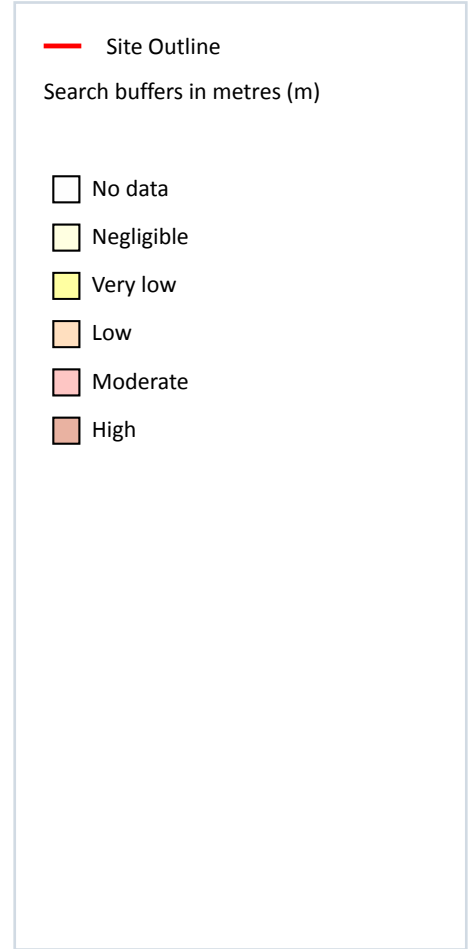
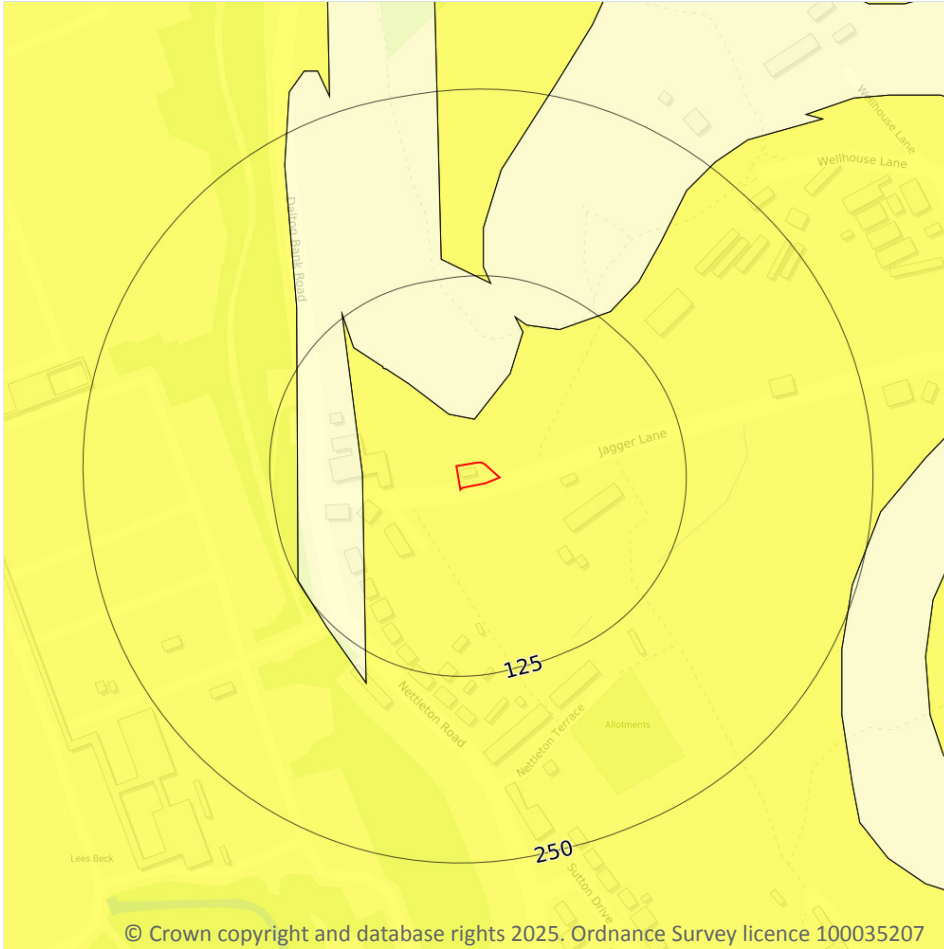
Features are displayed on the Boreholes map on [page 118](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	243m W	416900 417950	DALTON WKS HUDDERSFIELD 9	10.67	N	40885 ↗
A	244m W	416900 417940	DALTON WKS HUDDERSFIELD 6	10.36	N	40882 ↗
1	244m W	416900 417980	DALTON WKS HUDDERSFIELD 12	10.21	N	40888 ↗

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

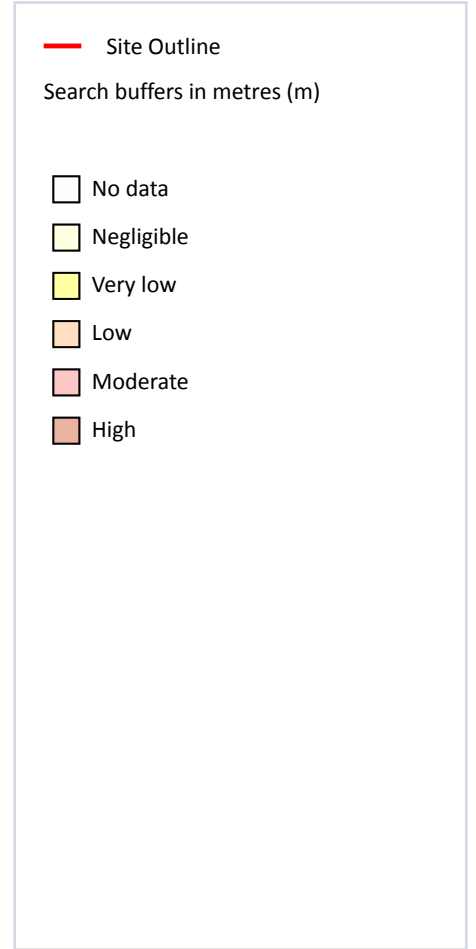
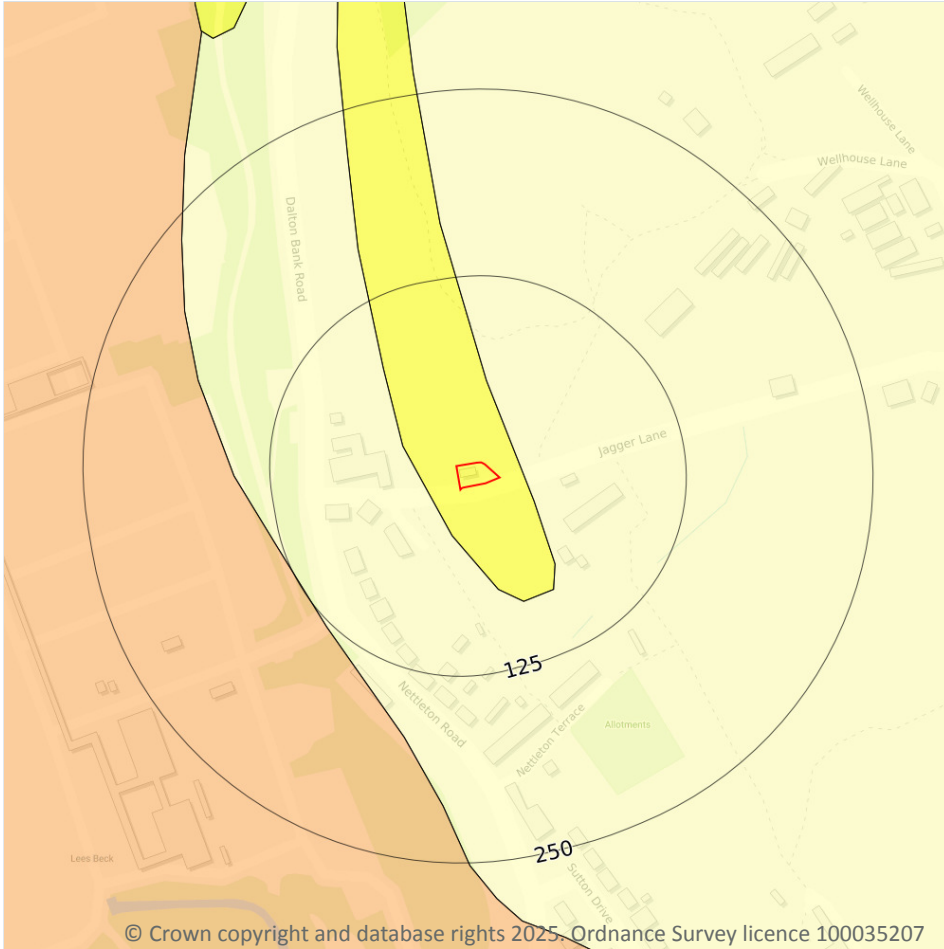
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 120 >](#)

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
29m N	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 121 >](#)

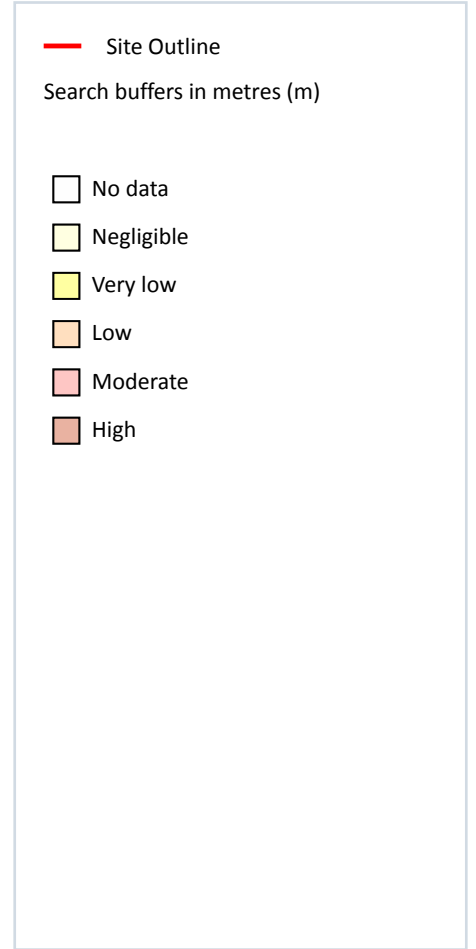
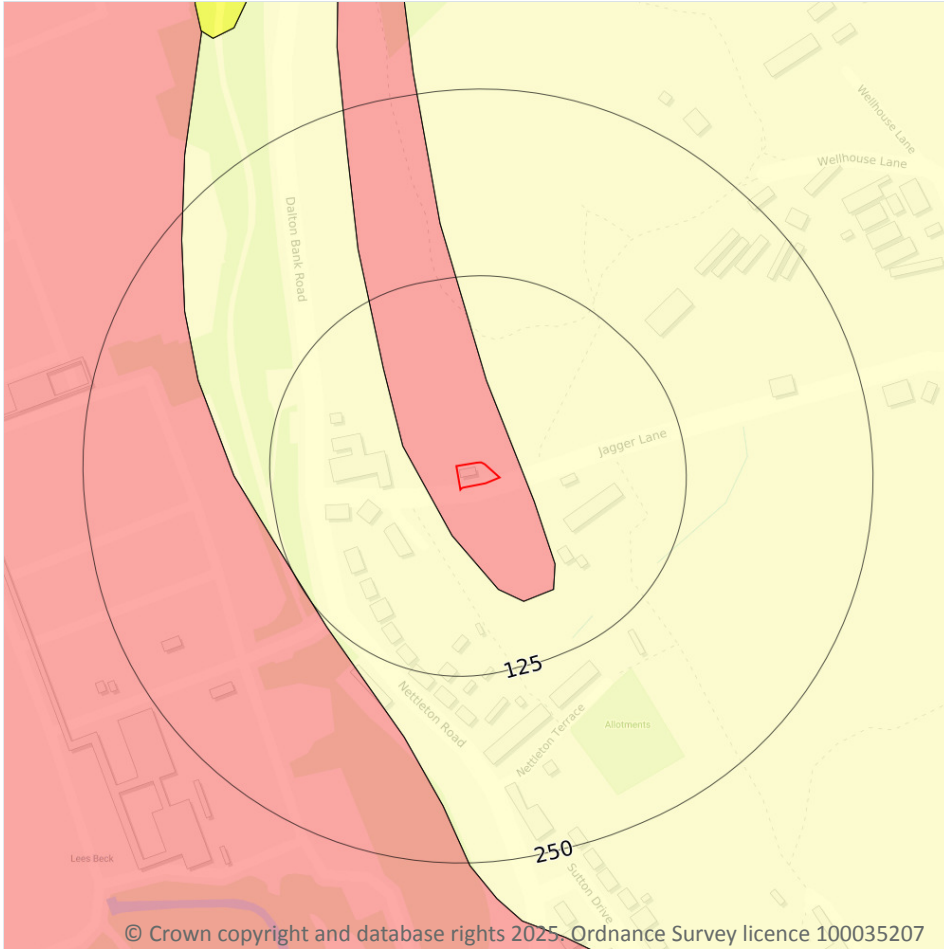
Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

Location	Hazard rating	Details
16m E	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

2

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 123](#) >

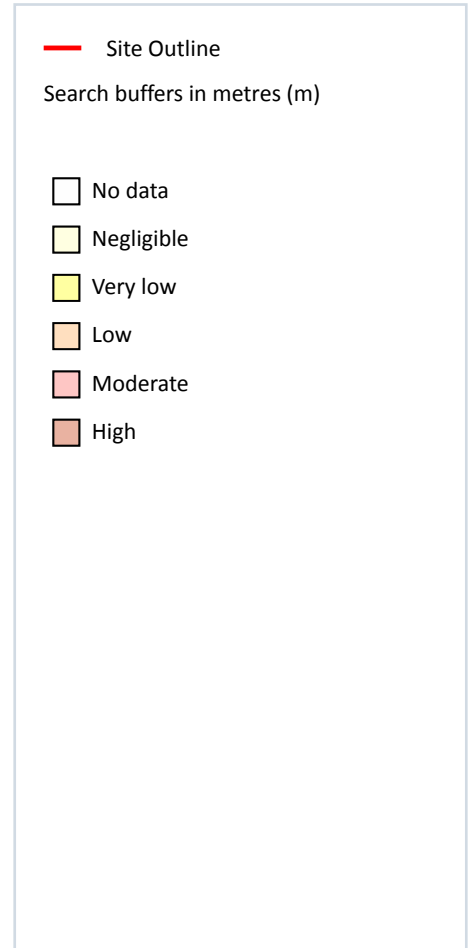
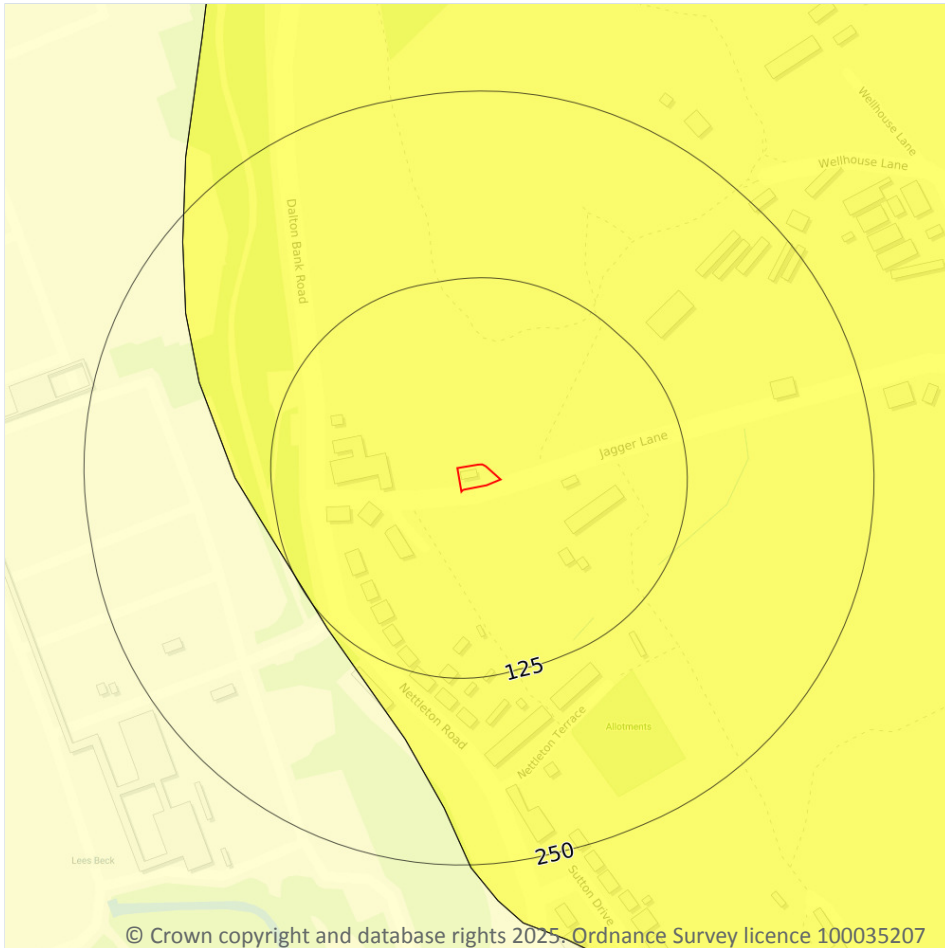
Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
16m E	Negligible	Compressible strata are not thought to occur.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

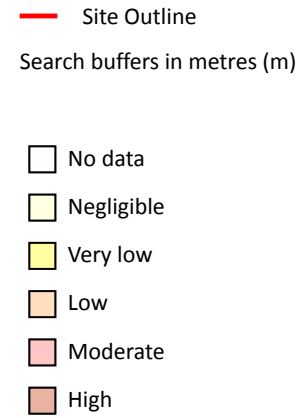
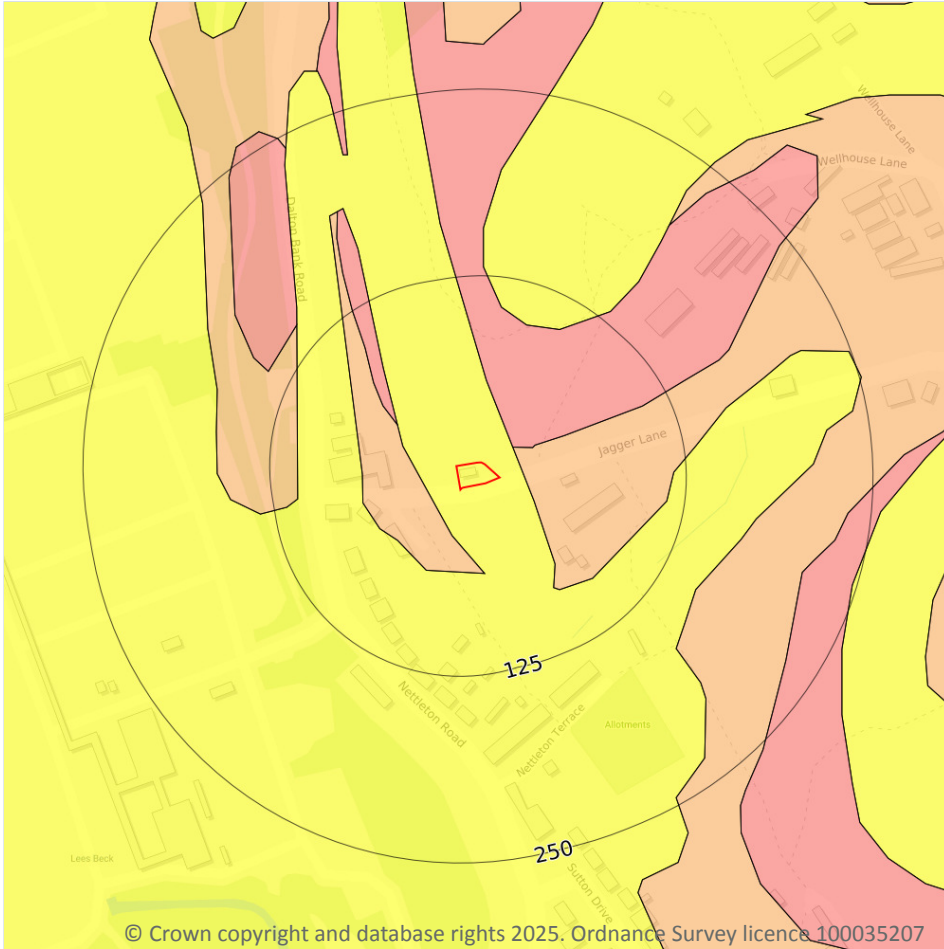
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 125 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

5

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 126 >](#)

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
16m E	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
20m SW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
21m NE	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
48m NW	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the 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.

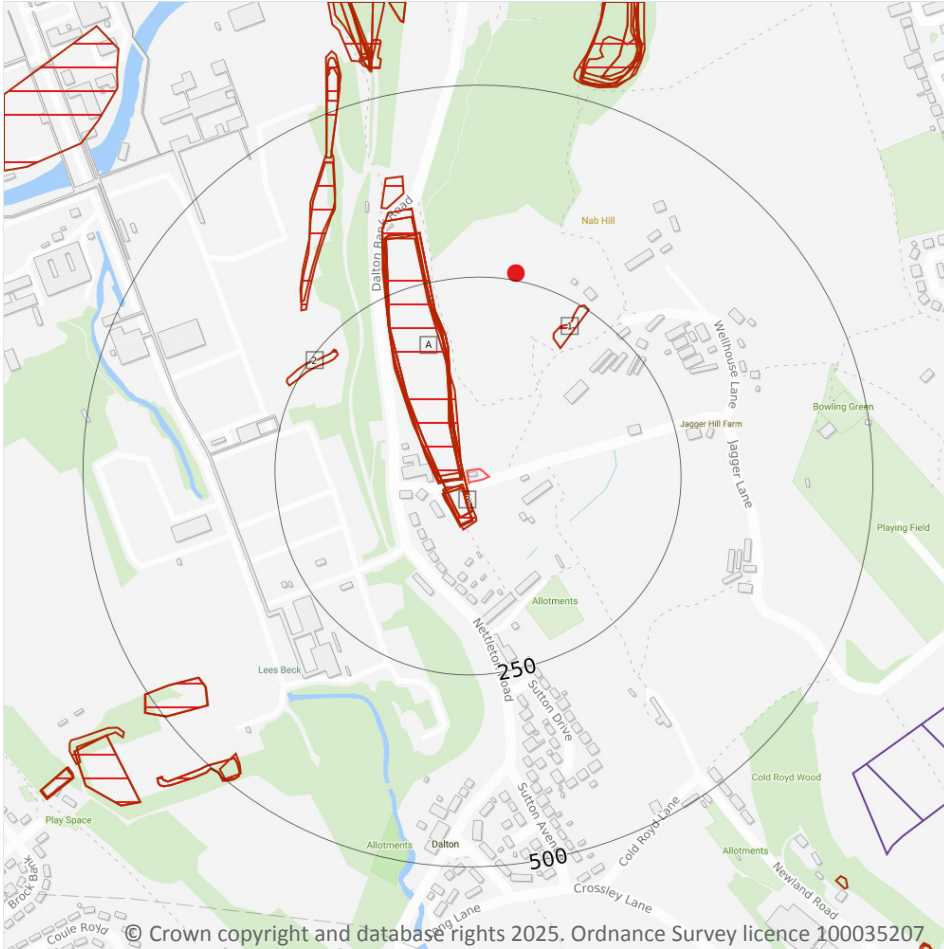
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 128 >](#)

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



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 130](#) >

ID	Location	Details	Description
3	260m N	Name: Nab Hill Address: Kirkheaton, HUDDERSFIELD, 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	14
----------------------------	-----------

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 130](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	4m SW	Cuttings	1956	1:10560
A	4m SW	Cuttings	1975	1:10000
A	4m SW	Cuttings	1965	1:10560
A	7m W	Cuttings	1988	1:10000
B	8m SW	Cuttings	1889	1:10560
A	9m W	Cuttings	1889	1:10560
A	9m W	Cuttings	1948	1:10560
A	9m W	Cuttings	1905	1:10560
A	10m W	Cuttings	1938	1:10560
B	11m SW	Cuttings	1948	1:10560
B	11m SW	Cuttings	1905	1:10560
B	11m SW	Cuttings	1938	1:10560
1	189m NE	Unspecified Quarry	1948	1:10560
2	226m NW	Unspecified Ground Workings	1948	1:10560

This data is sourced from Ordnance Survey/Groundsure.



18.3 Underground workings

Records within 1000m

0

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

This 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

0

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).

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 1

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

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

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.

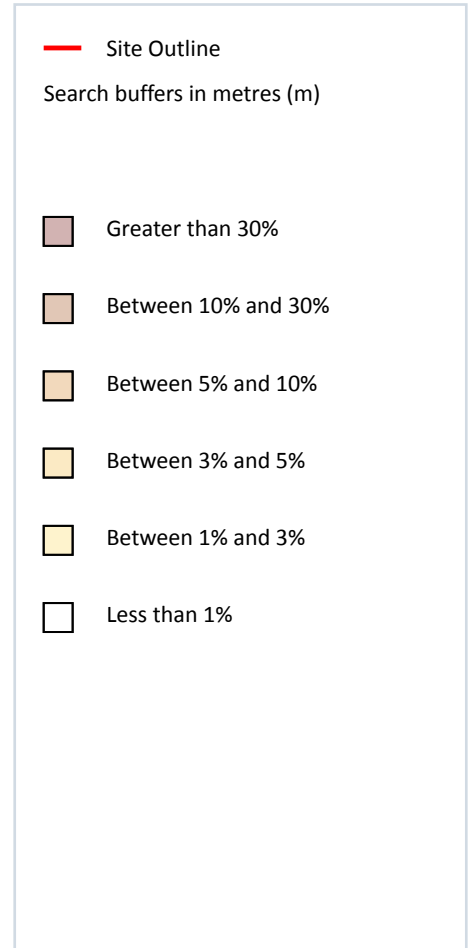
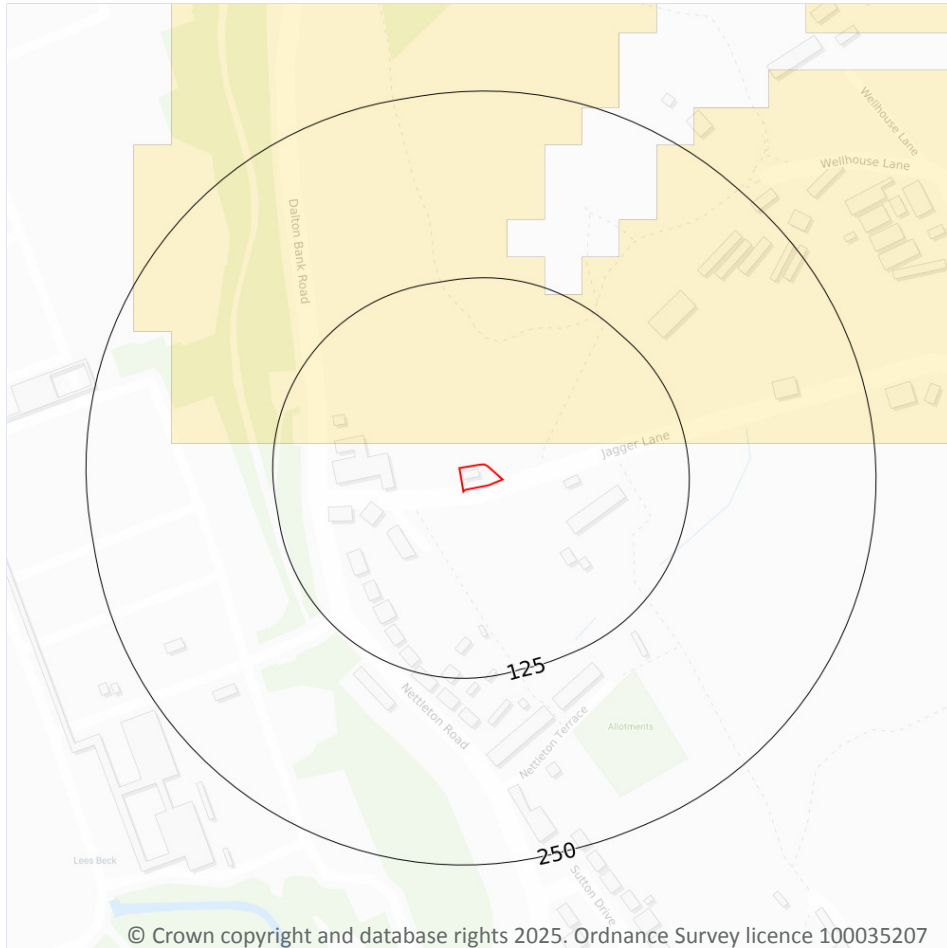
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 137 >](#)

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

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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

3

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
39m N	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
39m N	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

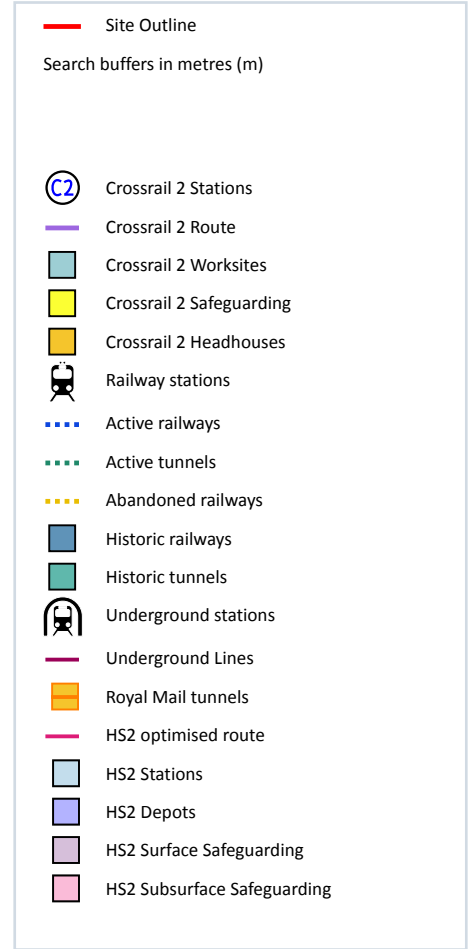
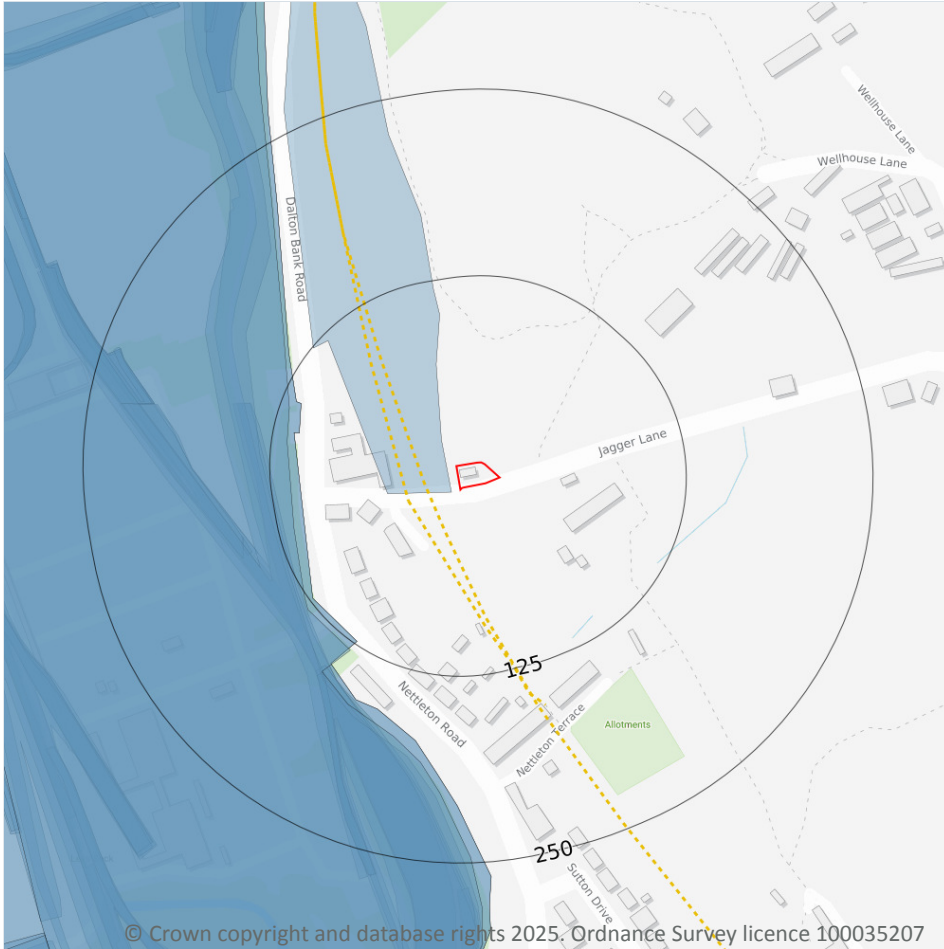
0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

17

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 140 >](#)

Location	Land Use	Year of mapping	Mapping scale
6m SW	Railway Sidings	1948	10560
106m W	Railway Sidings	1965	10560
106m W	Railway Sidings	1956	10560
112m W	Railway Sidings	1938	10560
121m W	Railway Sidings	1970	2500
123m W	Railway Sidings	1961	2500
127m W	Railway Sidings	1932	2500
146m W	Railway Sidings	1967	1250
148m SW	Railway Sidings	1974	-
149m W	Railway Sidings	1959	2500
154m SW	Railway Sidings	1957	1250
154m SW	Railway Sidings	1967	1250
206m W	Railway Sidings	1971	2500
206m W	Railway Sidings	1961	2500
206m W	Railway Sidings	1959	2500
207m W	Railway Sidings	1958	1250
208m W	Railway Sidings	1971	-



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

3

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

Features are displayed on the Railway infrastructure and projects map on [page 140 >](#)

Location	Description
21m SW	Razed
34m SW	Historical OSM
36m W	Historical OSM

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.



22.9 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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