

Site Details:

RADCLIFFE, BURY, M26 1EB

Client Ref: M5678-5247-SD
Report Ref: GS-Q2B-KYH-5LO-R9U
Grid Ref: 377518, 406062

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010



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Production date: 25 April 2024

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2024

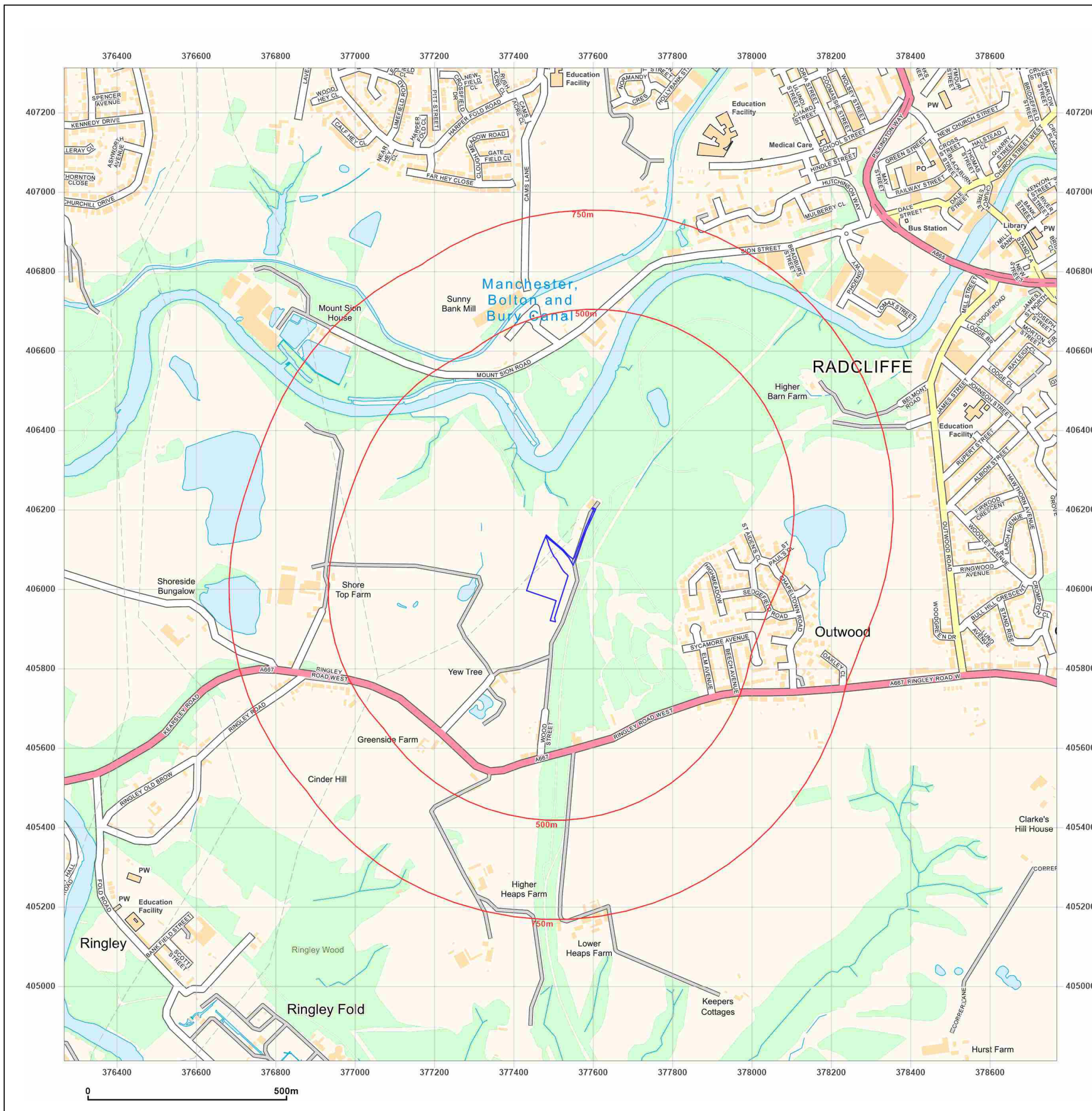


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APPENDIX C

Geo-Environmental Data Report

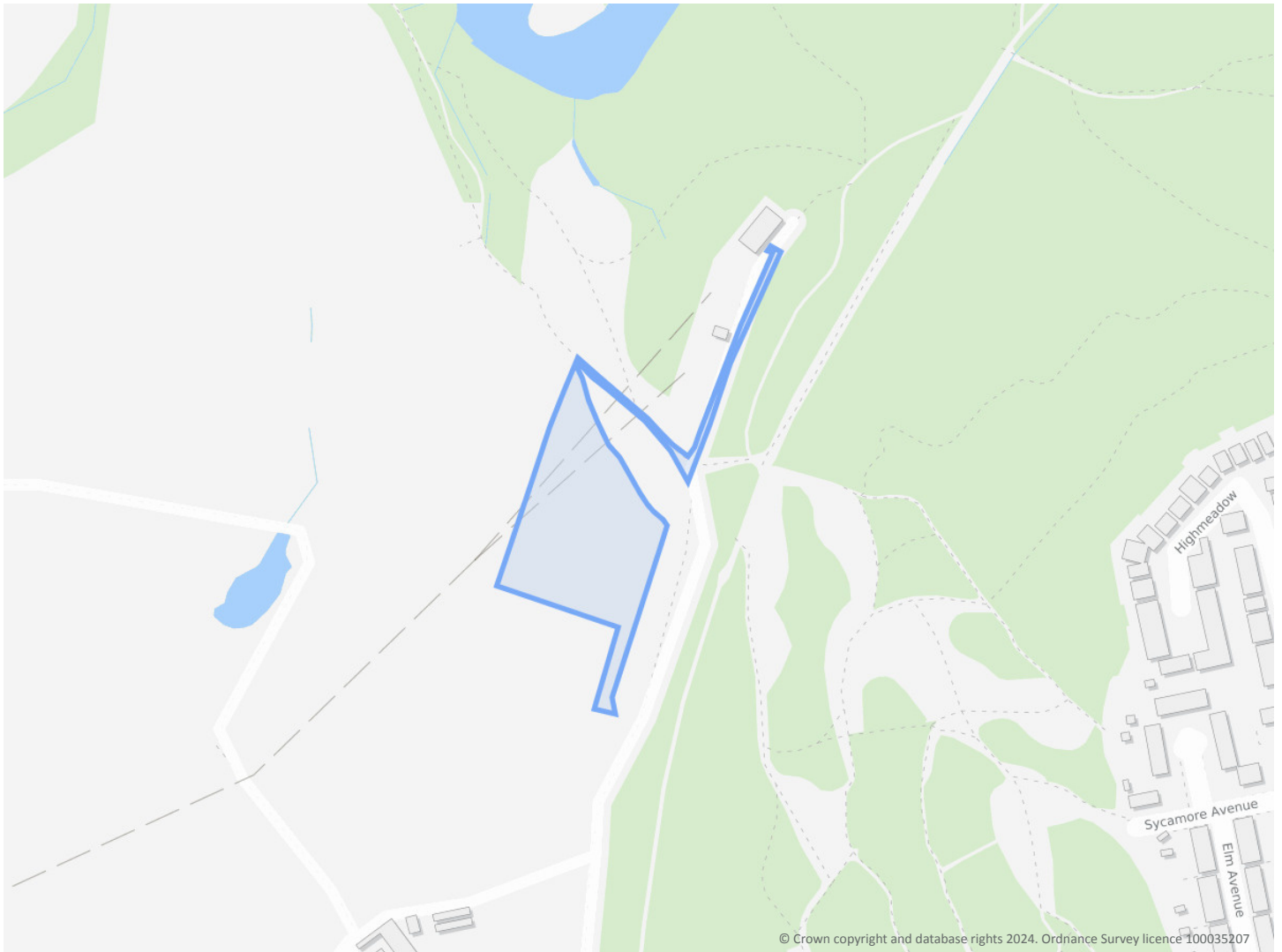
RADCLIFFE, BURY, M26 1EB

Order Details

Date: 25/04/2024
Your ref: M5678-5247-SD
Our Ref: GS-QLN-84B-QJ3-IJS

Site Details

Location: 377492 406038
Area: 1.03 ha
Authority: [Bury Metropolitan Borough Council](#) ↗

[Summary of findings](#)[p. 2 >](#) [Aerial image](#)[p. 9 >](#)[OS MasterMap site plan](#)[p.13 >](#) [Insight User Guide](#) ↗

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	25	25	66	56	-
21 >	1.2 >	Historical tanks >	0	1	33	21	-
23 >	1.3 >	Historical energy features >	2	4	1	6	-
24	1.4	Historical petrol stations	0	0	0	0	-
24	1.5	Historical garages	0	0	0	0	-
24	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
25 >	2.1 >	Historical industrial land uses >	33	33	97	83	-
34 >	2.2 >	Historical tanks >	0	2	54	50	-
38 >	2.3 >	Historical energy features >	2	6	2	11	-
39	2.4	Historical petrol stations	0	0	0	0	-
40	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
41	3.1	Active or recent landfill	0	0	0	0	-
41	3.2	Historical landfill (BGS records)	0	0	0	0	-
42 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	0	3	-
42 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	3	-
43 >	3.5 >	Historical waste sites >	0	0	0	4	-
44 >	3.6 >	Licensed waste sites >	0	0	0	2	-
45 >	3.7 >	Waste exemptions >	0	0	2	15	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
47 >	4.1 >	Recent industrial land uses >	0	4	1	-	-
48	4.2	Current or recent petrol stations	0	0	0	0	-
48	4.3	Electricity cables	0	0	0	0	-
48	4.4	Gas pipelines	0	0	0	0	-
48	4.5	Sites determined as Contaminated Land	0	0	0	0	-



49	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
49	4.7	Regulated explosive sites	0	0	0	0	-
49	4.8	Hazardous substance storage/usage	0	0	0	0	-
49	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
49	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
50	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
50	4.12	Radioactive Substance Authorisations	0	0	0	0	-
50 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	3	-
51	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
51	4.15	Pollutant release to public sewer	0	0	0	0	-
51	4.16	List 1 Dangerous Substances	0	0	0	0	-
51	4.17	List 2 Dangerous Substances	0	0	0	0	-
51 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	0	3	-
52	4.19	Pollution inventory substances	0	0	0	0	-
52	4.20	Pollution inventory waste transfers	0	0	0	0	-
52	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
54 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
56 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
58 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
59	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
59	5.5	Groundwater vulnerability- local information	None (within 0m)				
60 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	9
63 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	9
65	5.8	Potable abstractions	0	0	0	0	0
66	5.9	Source Protection Zones	0	0	0	0	-
66	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
67 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	0	1	24	-	-



70 >	6.2 >	Surface water features >	0	0	14	-	-
70 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
70 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
71 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
72	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
72	7.2	Historical Flood Events	0	0	0	-	-
72	7.3	Flood Defences	0	0	0	-	-
73	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
73	7.5	Flood Storage Areas	0	0	0	-	-
74	7.6	Flood Zone 2	None (within 50m)				
74	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
75 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
77 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
78 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	2
79	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
79	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
79	10.4	Special Protection Areas (SPA)	0	0	0	0	0
79	10.5	National Nature Reserves (NNR)	0	0	0	0	0
80 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	4
80 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	6
81	10.8	Biosphere Reserves	0	0	0	0	0
81	10.9	Forest Parks	0	0	0	0	0
81	10.10	Marine Conservation Zones	0	0	0	0	0
81 >	10.11 >	Green Belt >	1	0	0	1	4
82	10.12	Proposed Ramsar sites	0	0	0	0	0



82	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
82	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
82	10.15	Nitrate Sensitive Areas	0	0	0	0	0
83 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	1	1
84 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
85 >	10.18 >	SSSI Units >	0	0	0	0	2
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
87	11.1	World Heritage Sites	0	0	0	-	-
87	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
87	11.3	National Parks	0	0	0	-	-
87	11.4	Listed Buildings	0	0	0	-	-
88	11.5	Conservation Areas	0	0	0	-	-
88	11.6	Scheduled Ancient Monuments	0	0	0	-	-
88	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
89 >	12.1 >	Agricultural Land Classification >	Grade 3 (within 250m)				
90	12.2	Open Access Land	0	0	0	-	-
90	12.3	Tree Felling Licences	0	0	0	-	-
90	12.4	Environmental Stewardship Schemes	0	0	0	-	-
90	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
91 >	13.1 >	Priority Habitat Inventory >	2	9	32	-	-
93 >	13.2 >	Habitat Networks >	0	0	3	-	-
93	13.3	Open Mosaic Habitat	0	0	0	-	-
94	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	14.1 >	10k Availability >	Identified (within 500m)				
96 >	14.2 >	Artificial and made ground (10k) >	1	3	1	12	-
98 >	14.3 >	Superficial geology (10k) >	2	1	3	3	-



99 >	14.4 >	Landslip (10k) >	0	0	1	0	-
100 >	14.5 >	Bedrock geology (10k) >	4	1	1	6	-
101 >	14.6 >	Bedrock faults and other linear features (10k) >	1	2	5	1	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	15.1 >	50k Availability >	Identified (within 500m)				
104	15.2	Artificial and made ground (50k)	0	0	0	0	-
104	15.3	Artificial ground permeability (50k)	0	0	-	-	-
105 >	15.4 >	Superficial geology (50k) >	2	1	3	3	-
106 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
106 >	15.6 >	Landslip (50k) >	0	0	1	0	-
107	15.7	Landslip permeability (50k)	None (within 50m)				
108 >	15.8 >	Bedrock geology (50k) >	4	1	1	5	-
109 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
109 >	15.10 >	Bedrock faults and other linear features (50k) >	1	2	5	1	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
111 >	16.1 >	BGS Boreholes >	0	4	9	-	-
Page	Section	Natural ground subsidence >					
113 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
114 >	17.2 >	Running sands >	Very low (within 50m)				
115 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
116 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
117 >	17.5 >	Landslides >	Very low (within 50m)				
118 >	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
120 >	18.1 >	BritPits >	0	1	5	5	-
123 >	18.2 >	Surface ground workings >	25	25	74	-	-
128 >	18.3 >	Underground workings >	2	2	0	1	34
129	18.4	Underground mining extents	0	0	0	0	-
129	18.5	Historical Mineral Planning Areas	0	0	0	0	-



130	18.6	Non-coal mining	0	0	0	0	0
130 >	18.7 >	JPB mining areas >	Identified (within 0m)				
130	18.8	The Coal Authority non-coal mining	0	0	0	0	-
131	18.9	Researched mining	0	0	0	0	-
131	18.10	Mining record office plans	0	0	0	0	-
131	18.11	BGS mine plans	0	0	0	0	-
131 >	18.12 >	Coal mining >	Identified (within 0m)				
132	18.13	Brine areas	None (within 0m)				
132	18.14	Gypsum areas	None (within 0m)				
132	18.15	Tin mining	None (within 0m)				
132	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
133	19.1	Natural cavities	0	0	0	0	-
134	19.2	Mining cavities	0	0	0	0	0
134	19.3	Reported recent incidents	0	0	0	0	-
134 >	19.4 >	Historical incidents >	0	0	0	2	-
135	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
136 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
138 >	21.1 >	BGS Estimated Background Soil Chemistry >	10	4	-	-	-
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 >	10	9	16	-	-
142	22.5	Royal Mail tunnels	0	0	0	-	-



143 >	22.6 >	Historical railways >	0	4	4	-	-
143	22.7	Railways	0	0	0	-	-
143	22.8	Crossrail 1	0	0	0	0	-
144	22.9	Crossrail 2	0	0	0	0	-
144	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 22/05/2019

Site Area: 1.03ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 1.03ha



Recent site history - 2011 aerial photograph



Capture Date: 01/05/2011

Site Area: 1.03ha



Recent site history - 2000 aerial photograph



Capture Date: 27/06/2000

Site Area: 1.03ha



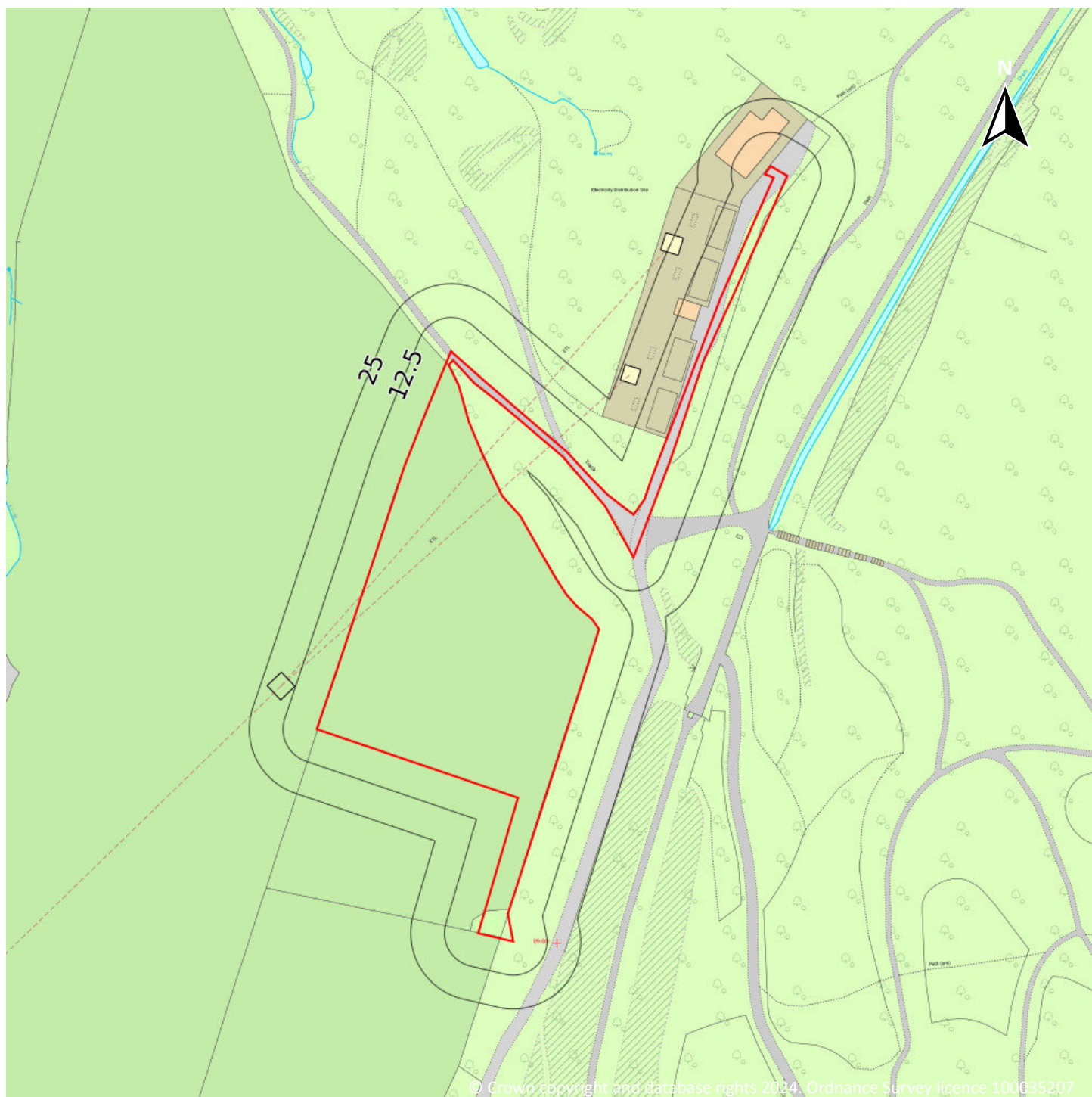
Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 25 April 2024

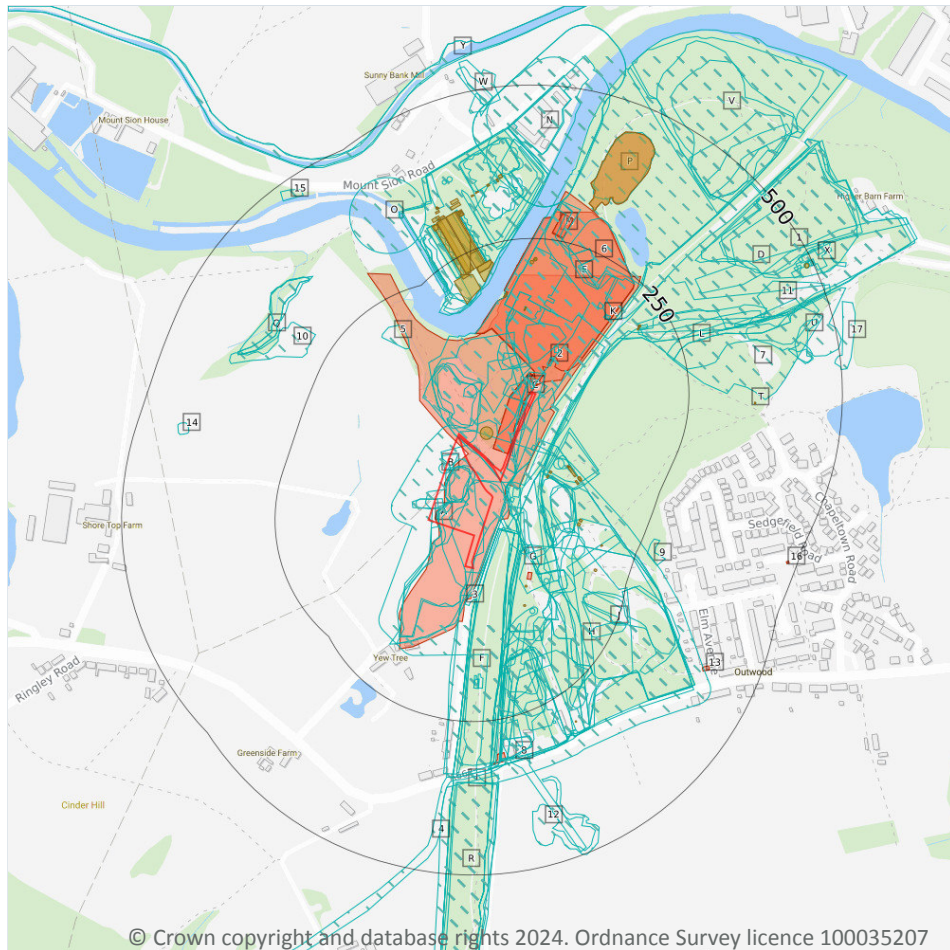
OS MasterMap site plan



Site Area: 1.03ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

172

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

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
1	On site	Railway Sidings	1927	699638



ID	Location	Land use	Dates present	Group ID
2	On site	Railway Sidings	1908	746782
A	On site	Magazine	1891	675792
A	On site	Unspecified Heaps	1891	679645
A	On site	Refuse Heap	1908 - 1938	703809
A	On site	Refuse Heap	1955	711221
A	On site	Unspecified Ground Workings	1977	734007
A	On site	Unspecified Heap	1908 - 1938	736460
A	On site	Unspecified Ground Workings	1927	757109
A	On site	Unspecified Heap	1955	764196
A	On site	Unspecified Ground Workings	1965	785193
B	On site	Sand Pit	1851	643948
B	On site	Unspecified Pit	1908	691078
B	On site	Unspecified Heap	1908	733216
B	On site	Unspecified Heap	1955	744748
B	On site	Unspecified Heap	1977	749233
B	On site	Refuse Heap	1927 - 1938	764252
C	On site	Electric Substation	1988 - 1991	696225
C	On site	Refuse Heap	1891	772612
C	On site	Railway Sidings	1891	773507
D	On site	Railway Sidings	1938 - 1955	724350
D	On site	Railway Sidings	1965	757052
E	On site	Colliery	1955 - 1965	725145
F	On site	Cuttings	1851	775549
G	On site	Colliery	1908	791213
C	4m N	Refuse Heap	1955	739119
C	6m NE	Railway Building	1908 - 1938	759493
C	8m NE	Unspecified Heap	1891	650992
C	10m N	Refuse Heap	1908 - 1938	727276



ID	Location	Land use	Dates present	Group ID
H	13m E	Colliery	1927	695024
C	16m N	Unspecified Ground Workings	1955 - 1965	790181
C	18m E	Cuttings	1851 - 1891	773168
I	18m S	Cuttings	1938	719933
I	18m S	Cuttings	1927	721684
I	18m S	Cuttings	1891	744561
I	18m S	Cuttings	1908	772711
C	19m NE	Unspecified Ground Workings	1965	648171
F	22m S	Cuttings	1955	725924
F	23m S	Cuttings	1965 - 1991	789112
C	24m E	Railway Building	1965	670334
C	28m E	Railway Building	1938	670330
C	29m NE	Railway Building	1938	670333
C	43m NE	Refuse Heap	1955	783051
F	43m S	Railway Sidings	1891	641667
3	46m S	Railway Building	1891	670331
C	47m NE	Unspecified Heap	1965	650993
C	49m SE	Refuse Heap	1891	749247
H	49m SE	Colliery	1891	753776
C	50m N	Refuse Heap	1908	760347
G	50m SE	Colliery	1851	769320
C	52m NE	Railway Building	1927 - 1938	723419
C	62m E	Sewage Works	1927 - 1938	754330
C	62m N	Unspecified Heap	1977 - 1991	752495
H	63m SE	Unspecified Disused Workings	1988 - 1991	781974
C	64m E	Unspecified Works	1965	679074
C	66m E	Unspecified Heap	1908	740476
C	67m E	Sewage Works	1955	725669



ID	Location	Land use	Dates present	Group ID
C	71m E	Sewage Tank	1927 - 1938	749794
G	72m SE	Unspecified Works	1965	756118
C	74m NE	Railway Building	1927 - 1938	727100
C	76m E	Unspecified Ground Workings	1938	648291
C	77m E	Unspecified Tank	1955 - 1965	769386
C	84m E	Unspecified Heap	1927 - 1938	717555
C	85m E	Unspecified Heap	1955 - 1988	741569
J	93m SE	Refuse Heap	1977	787412
J	99m SE	Refuse Heap	1965	762321
4	108m S	Tramway Sidings	1851	670778
E	111m NE	Electric Power Station	1908	639881
G	115m SE	Coal Pit	1851	654426
G	117m SE	Coal Pit	1851	654425
E	119m N	Railway Building	1927 - 1938	769441
F	119m S	Unspecified Works	1965 - 1977	761844
C	129m SE	Unspecified Pits	1955	659196
F	133m SE	Brick Works	1927 - 1938	733116
C	150m SE	Tramway Sidings	1908	670777
J	151m SE	Refuse Heap	1988 - 1991	786138
F	153m S	Unspecified Heap	1965 - 1977	735014
F	154m S	Coal Pit	1851	654423
F	155m SE	Refuse Heap	1908	786785
F	157m S	Refuse Heap	1927 - 1938	712878
F	159m S	Refuse Heap	1955	781570
F	161m S	Refuse Heap	1891	787868
5	161m N	Unspecified Heap	1965	650994
F	166m S	Unspecified Heap	1891	701219
K	167m NE	Railway Building	1938	670339



ID	Location	Land use	Dates present	Group ID
E	173m N	Unspecified Ground Workings	1955	702108
E	173m N	Sewage Works	1955	790422
F	173m S	Railway Station	1955	712051
K	174m NE	Railway Building	1938	670338
F	174m S	Unspecified Works	1988 - 1991	773474
F	175m S	Railway Station	1908 - 1938	727871
E	175m N	Sewage Works	1908 - 1938	778067
E	177m N	Unspecified Works	1965	698671
E	179m N	Unspecified Heap	1977	650995
F	181m S	Railway Station	1891	756146
J	185m SE	Refuse Heap	1938 - 1955	745725
J	186m SE	Refuse Heap	1927	765885
F	194m S	Brick and Tile Works	1851	681251
D	194m NE	Unspecified Ground Workings	1891	648173
6	198m NE	Refuse Heap	1955 - 1965	708373
D	199m NE	Railway Building	1938 - 1955	695127
L	200m NE	Refuse Heap	1965	734679
E	215m N	Unspecified Ground Workings	1927 - 1938	743488
J	217m SE	Unspecified Heap	1891	651023
E	220m N	Unspecified Tanks	1938 - 1955	712668
E	221m N	Sewage Tanks	1927	657306
E	223m N	Sewage Tanks	1927	657307
E	223m N	Unspecified Tanks	1938	770080
L	223m NE	Unspecified Pit	1977	691077
E	224m N	Unspecified Tanks	1908	720938
E	225m N	Unspecified Tanks	1955	752961
7	231m NE	Refuse Heap	1977	761824
8	237m S	Railway Sidings	1927	641666



ID	Location	Land use	Dates present	Group ID
E	239m N	Unspecified Heap	1977 - 1991	765659
E	242m N	Unspecified Ground Workings	1927	648172
J	246m SE	Refuse Heap	1927	784595
F	252m SE	Unspecified Pit	1891 - 1908	704876
I	257m S	Unspecified Heap	1965 - 1977	744297
9	265m E	Unspecified Ground Workings	1965 - 1977	773596
10	280m NW	Refuse Heap	1965	678042
F	281m S	Unspecified Tank	1927	674914
I	284m S	Unspecified Commercial/Industrial	1991	643351
I	284m S	Unspecified Works	1988	702664
E	286m N	Unspecified Tanks	1938	791122
E	288m N	Unspecified Tanks	1955 - 1965	781618
N	302m N	Unspecified Works	1891 - 1908	769179
N	302m N	Unspecified Works	1927	695142
N	302m N	Unspecified Works	1938	711729
O	309m N	Unspecified Hole	1938	720975
E	317m N	Sewage Tanks	1927	657308
P	334m NE	Refuse Heap	1955 - 1965	722616
E	335m N	Railway Sidings	1927 - 1938	771299
Q	335m NW	Unspecified Ground Workings	1955	773093
R	339m S	Cuttings	1851	707715
Q	340m NW	Unspecified Ground Workings	1927 - 1938	730372
Q	340m NW	Unspecified Ground Workings	1891	766880
S	340m NE	Refuse Heap	1938	763302
11	343m NE	Refuse Heap	1908	708362
R	349m S	Cuttings	1965 - 1991	751850
S	350m NE	Refuse Heap	1927	719705
R	350m S	Cuttings	1955	744566



ID	Location	Land use	Dates present	Group ID
O	353m N	Unspecified Hole	1927	729377
N	354m N	Unspecified Works	1955 - 1965	722502
U	357m NE	Refuse Heap	1938 - 1955	727111
12	362m S	Clay Pit	1927	676037
E	367m N	Unspecified Tank	1927 - 1938	730079
E	367m N	Unspecified Tank	1965	674894
S	380m NE	Refuse Heap	1965	743012
S	382m NE	Refuse Heap	1955	744367
N	386m N	Unspecified Works	1991	764519
N	387m N	Unspecified Works	1977 - 1988	756151
14	416m W	Sand Pit	1851	643946
V	418m NE	Bleach and Dye works	1938	756283
U	418m NE	Refuse Heap	1965	767316
V	427m NE	Refuse Heap	1938 - 1955	730548
V	428m NE	Refuse Heap	1927	715382
U	430m NE	Refuse Heap	1908	734809
V	431m NE	Railway Sidings	1927	641664
V	433m NE	Unspecified Works	1965	679075
V	433m NE	Refuse Heap	1965	760334
W	457m N	Unspecified Pit	1891	691083
X	461m NE	Railway Buildings	1955 - 1965	712110
W	464m N	Unspecified Heap	1908 - 1938	725801
15	464m NW	Refuse Heap	1955	678039
X	469m NE	Railway Building	1927 - 1938	719089
W	472m N	Unspecified Pits	1965 - 1991	746221
Y	478m N	Disused Canal	1988 - 1991	788290
Y	479m N	Disused Canal	1977	706247
X	482m NE	Railway Building	1927 - 1938	715018



ID	Location	Land use	Dates present	Group ID
X	485m NE	Unspecified Old Shaft	1908	651949
X	485m NE	Unspecified Tank	1927 - 1955	789190
17	490m E	Refuse Heap	1977	716824

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

55

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
C	20m N	Unspecified Tank	1893 - 1909	89181
C	68m E	Tanks	1929 - 1937	95177
C	69m E	Tanks	1955	99081
G	89m SE	Unspecified Tank	1893	85002
C	94m E	Tanks	1955	89163
C	94m E	Tanks	1955	95539
G	102m SE	Unspecified Tank	1909 - 1929	100757
C	114m E	Tanks	1929 - 1937	98732
C	116m E	Tanks	1955	89104
C	116m E	Tanks	1955	93599
E	133m N	Unspecified Tank	1955	97509
C	144m E	Unspecified Tank	1955	102160
C	144m E	Tanks	1929	87945
E	160m N	Tanks	1909	87952
E	178m N	Tanks	1929 - 1937	89772



ID	Location	Land use	Dates present	Group ID
C	192m E	Unspecified Tank	1929	85005
C	193m SE	Unspecified Tank	1893 - 1929	103663
E	195m N	Humus Tank	1955	95867
D	197m NE	Unspecified Tank	1937	85004
D	200m NE	Unspecified Tank	1955	100374
D	201m NE	Unspecified Tank	1955	96914
E	209m N	Unspecified Tank	1929 - 1937	102824
E	211m N	Humus Tank	1955	102318
E	212m N	Humus Tank	1955	92319
E	213m N	Unspecified Tank	1955	89329
E	214m N	Unspecified Tank	1955	102027
E	215m N	Tanks	1909	97755
E	218m N	Tanks	1909 - 1937	95652
E	220m N	Settling Tanks	1955	97589
E	220m N	Settling Tank	1955	78451
E	221m N	Settling Tanks	1955	101206
E	221m N	Settling Tank	1955	97019
E	238m N	Settling Tanks	1955	89906
E	246m N	Settling Tank	1955	98739
F	300m SE	Unspecified Tank	1929 - 1937	95554
E	306m N	Unspecified Tank	1955	95837
E	308m N	Unspecified Tank	1955	98663
E	309m N	Unspecified Tank	1955	96574
P	312m NE	Gasometer	1955	78101
E	312m N	Tanks	1929 - 1937	102129
E	317m N	Tanks	1929 - 1937	94919
E	318m N	Unspecified Tank	1955	99609
E	324m N	Tanks	1955	94883



ID	Location	Land use	Dates present	Group ID
E	329m N	Tanks	1929 - 1937	103949
E	332m N	Tanks	1956	87951
E	332m N	Unspecified Tank	1929	85012
E	335m N	Tanks	1956	89830
E	335m N	Tanks	1955	103395
E	336m N	Unspecified Tank	1955	98107
E	342m N	Unspecified Tank	1955	94069
E	347m N	Unspecified Tank	1955	102390
E	351m N	Unspecified Tank	1955	90542
T	357m E	Unspecified Tank	1955	103864
T	357m E	Unspecified Tank	1955	85006
X	485m NE	Unspecified Tank	1929 - 1937	92850

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	13
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
C	On site	Electric Power Station	1909	46465
C	On site	Electricity Substation	1988 - 1992	47888
C	0m NE	Electricity Transmission Station	1992	46308
C	0m NE	Electricity Transformer Station	1988	46300
E	8m NE	Generating Station	1955	54252
E	12m NE	Generating Station	1955	52594



ID	Location	Land use	Dates present	Group ID
G	90m SE	Electricity Substation	1955	58447
M	254m N	Electricity Substation	1955	51717
M	256m N	Electricity Substation	1955	55664
I	305m S	Electricity Substation	1955 - 1993	49603
P	312m NE	Gasometer	1955	46153
13	407m SE	Electricity Substation	1987 - 1993	50652
16	482m E	Electricity Substation	1994	45630

This data is sourced from Ordnance Survey / Groundsure.

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

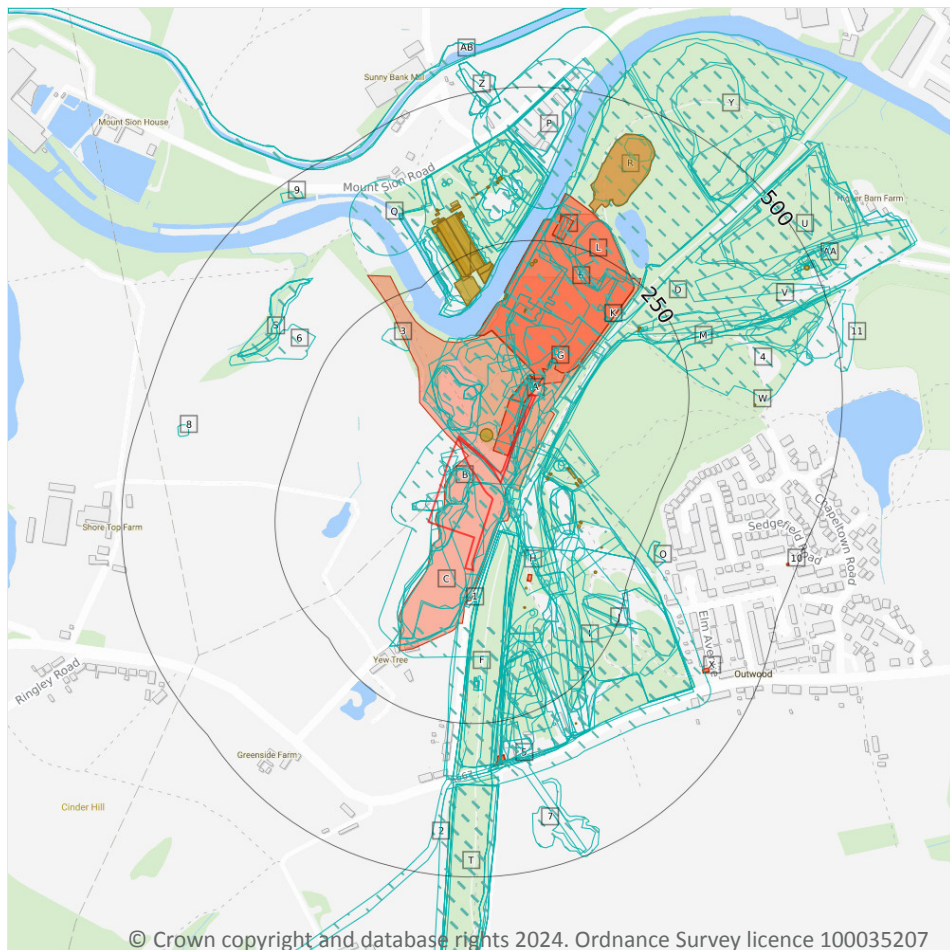
1.6 Historical military land

Records within 500m	0
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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

2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

246

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 25](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Electric Substation	1991	696225
A	On site	Electric Substation	1988	696225
A	On site	Railway Sidings	1891	773507



ID	Location	Land Use	Date	Group ID
A	On site	Refuse Heap	1891	772612
B	On site	Unspecified Heap	1977	749233
B	On site	Unspecified Heap	1955	744748
B	On site	Sand Pit	1851	643948
B	On site	Refuse Heap	1938	764252
B	On site	Refuse Heap	1927	764252
B	On site	Unspecified Heap	1908	733216
B	On site	Unspecified Pit	1908	691078
C	On site	Unspecified Ground Workings	1977	734007
C	On site	Unspecified Ground Workings	1965	785193
C	On site	Unspecified Heap	1955	764196
C	On site	Refuse Heap	1955	711221
C	On site	Refuse Heap	1938	703809
C	On site	Unspecified Heap	1938	736460
C	On site	Unspecified Heap	1927	736460
C	On site	Refuse Heap	1927	703809
C	On site	Unspecified Ground Workings	1927	757109
C	On site	Unspecified Heap	1908	736460
C	On site	Refuse Heap	1908	703809
C	On site	Magazine	1891	675792
C	On site	Unspecified Heaps	1891	679645
D	On site	Railway Sidings	1965	757052
D	On site	Railway Sidings	1955	724350
D	On site	Railway Sidings	1938	724350
D	On site	Railway Sidings	1927	699638
E	On site	Colliery	1965	725145
E	On site	Colliery	1955	725145
F	On site	Cuttings	1851	775549



ID	Location	Land Use	Date	Group ID
G	On site	Railway Sidings	1908	746782
H	On site	Colliery	1908	791213
A	4m N	Refuse Heap	1955	739119
A	6m NE	Railway Building	1938	759493
A	6m NE	Railway Building	1927	759493
A	6m NE	Railway Building	1908	759493
A	8m NE	Unspecified Heap	1891	650992
A	10m N	Refuse Heap	1938	727276
A	10m N	Refuse Heap	1927	727276
A	10m N	Refuse Heap	1908	727276
I	13m E	Colliery	1927	695024
A	16m N	Unspecified Ground Workings	1965	790181
A	18m E	Cuttings	1851	773168
F	18m S	Cuttings	1938	719933
F	18m S	Cuttings	1927	721684
F	18m S	Cuttings	1908	772711
F	18m S	Cuttings	1891	744561
A	19m NE	Unspecified Ground Workings	1965	648171
F	22m S	Cuttings	1955	725924
F	23m S	Cuttings	1991	789112
F	23m S	Cuttings	1977	789112
F	23m S	Cuttings	1965	789112
F	23m S	Cuttings	1988	789112
A	24m E	Railway Building	1965	670334
A	28m E	Railway Building	1938	670330
A	29m NE	Railway Building	1938	670333
G	39m NE	Cuttings	1891	773168
A	43m NE	Refuse Heap	1955	783051



ID	Location	Land Use	Date	Group ID
F	43m S	Railway Sidings	1891	641667
1	46m S	Railway Building	1891	670331
A	47m NE	Unspecified Heap	1965	650993
A	49m SE	Refuse Heap	1891	749247
I	49m SE	Colliery	1891	753776
A	50m N	Refuse Heap	1908	760347
H	50m SE	Colliery	1851	769320
A	52m NE	Railway Building	1938	723419
A	52m NE	Railway Building	1927	723419
A	62m E	Sewage Works	1938	754330
A	62m E	Sewage Works	1927	754330
A	62m N	Unspecified Heap	1991	752495
A	62m N	Unspecified Heap	1977	752495
A	62m N	Unspecified Heap	1988	752495
I	63m SE	Unspecified Disused Workings	1991	781974
I	63m SE	Unspecified Disused Workings	1988	781974
A	64m E	Unspecified Works	1965	679074
A	66m E	Unspecified Heap	1908	740476
A	67m E	Sewage Works	1955	725669
A	71m E	Sewage Tank	1938	749794
A	71m E	Sewage Tank	1927	749794
H	72m SE	Unspecified Works	1965	756118
A	74m NE	Railway Building	1938	727100
A	74m NE	Railway Building	1927	727100
A	76m E	Unspecified Ground Workings	1938	648291
A	77m E	Unspecified Tank	1965	769386
A	78m E	Unspecified Tank	1955	769386
A	82m N	Unspecified Ground Workings	1955	790181



ID	Location	Land Use	Date	Group ID
A	84m E	Unspecified Heap	1938	717555
A	84m E	Unspecified Heap	1927	717555
A	85m E	Unspecified Heap	1977	741569
A	85m E	Unspecified Heap	1965	741569
A	85m E	Unspecified Heap	1988	741569
A	91m E	Unspecified Heap	1955	741569
J	93m SE	Refuse Heap	1977	787412
J	99m SE	Refuse Heap	1965	762321
2	108m S	Tramway Sidings	1851	670778
E	111m NE	Electric Power Station	1908	639881
H	115m SE	Coal Pit	1851	654426
H	117m SE	Coal Pit	1851	654425
E	119m N	Railway Building	1938	769441
E	119m N	Railway Building	1927	769441
F	119m S	Unspecified Works	1977	761844
F	119m S	Unspecified Works	1965	761844
A	129m SE	Unspecified Pits	1955	659196
F	133m SE	Brick Works	1938	733116
F	137m S	Brick Works	1927	733116
A	150m SE	Tramway Sidings	1908	670777
J	151m SE	Refuse Heap	1991	786138
J	151m SE	Refuse Heap	1988	786138
F	153m S	Unspecified Heap	1977	735014
F	153m S	Unspecified Heap	1965	735014
F	154m S	Coal Pit	1851	654423
F	155m SE	Refuse Heap	1908	786785
F	157m S	Refuse Heap	1938	712878
F	157m S	Refuse Heap	1927	712878



ID	Location	Land Use	Date	Group ID
F	159m S	Refuse Heap	1955	781570
F	161m S	Refuse Heap	1891	787868
3	161m N	Unspecified Heap	1965	650994
F	166m S	Unspecified Heap	1891	701219
K	167m NE	Railway Building	1938	670339
E	173m N	Sewage Works	1955	790422
E	173m N	Unspecified Ground Workings	1955	702108
F	173m S	Railway Station	1955	712051
K	174m NE	Railway Building	1938	670338
F	174m S	Unspecified Works	1991	773474
F	174m S	Unspecified Works	1988	773474
F	175m S	Railway Station	1938	727871
F	175m S	Railway Station	1927	727871
F	175m S	Railway Station	1908	727871
E	175m N	Sewage Works	1938	778067
E	175m N	Sewage Works	1927	778067
E	175m N	Sewage Works	1908	778067
E	177m N	Unspecified Works	1965	698671
E	179m N	Unspecified Heap	1977	650995
F	181m S	Railway Station	1891	756146
J	185m SE	Refuse Heap	1938	745725
J	186m SE	Refuse Heap	1927	765885
J	190m SE	Refuse Heap	1955	745725
F	194m S	Brick and Tile Works	1851	681251
D	194m NE	Unspecified Ground Workings	1891	648173
L	198m NE	Refuse Heap	1965	708373
L	199m NE	Refuse Heap	1955	708373
D	199m NE	Railway Building	1938	695127



ID	Location	Land Use	Date	Group ID
M	200m NE	Refuse Heap	1965	734679
D	203m NE	Railway Building	1955	695127
E	215m N	Unspecified Ground Workings	1938	743488
E	215m N	Unspecified Ground Workings	1927	743488
J	217m SE	Unspecified Heap	1891	651023
E	220m N	Unspecified Tanks	1955	712668
E	221m N	Unspecified Tanks	1938	712668
E	221m N	Sewage Tanks	1927	657306
E	223m N	Unspecified Tanks	1938	770080
E	223m N	Sewage Tanks	1927	657307
M	223m NE	Unspecified Pit	1977	691077
E	224m N	Unspecified Tanks	1908	720938
E	225m N	Unspecified Tanks	1955	752961
4	231m NE	Refuse Heap	1977	761824
5	237m S	Railway Sidings	1927	641666
E	239m N	Unspecified Heap	1991	765659
E	239m N	Unspecified Heap	1977	765659
E	239m N	Unspecified Heap	1988	765659
E	242m N	Unspecified Ground Workings	1927	648172
J	246m SE	Refuse Heap	1927	784595
F	252m SE	Unspecified Pit	1908	704876
F	255m SE	Unspecified Pit	1891	704876
F	257m S	Unspecified Heap	1977	744297
F	257m S	Unspecified Heap	1965	744297
O	265m E	Unspecified Ground Workings	1977	773596
O	265m E	Unspecified Ground Workings	1965	773596
6	280m NW	Refuse Heap	1965	678042
F	281m S	Unspecified Tank	1927	674914



ID	Location	Land Use	Date	Group ID
F	284m S	Unspecified Commercial/Industrial	1991	643351
F	284m S	Unspecified Works	1988	702664
E	286m N	Unspecified Tanks	1938	791122
E	288m N	Unspecified Tanks	1965	781618
E	288m N	Unspecified Tanks	1955	781618
P	302m N	Unspecified Works	1891	769179
P	302m N	Unspecified Works	1938	711729
P	302m N	Unspecified Works	1927	695142
Q	309m N	Unspecified Hole	1938	720975
E	317m N	Sewage Tanks	1927	657308
R	334m NE	Refuse Heap	1965	722616
E	335m N	Railway Sidings	1938	771299
E	335m N	Railway Sidings	1927	771299
S	335m NW	Unspecified Ground Workings	1955	773093
T	339m S	Cuttings	1851	707715
S	340m NW	Unspecified Ground Workings	1938	730372
S	340m NW	Unspecified Ground Workings	1927	730372
S	340m NW	Unspecified Ground Workings	1891	766880
U	340m NE	Refuse Heap	1938	763302
V	343m NE	Refuse Heap	1908	708362
T	349m S	Cuttings	1991	751850
T	349m S	Cuttings	1977	751850
T	349m S	Cuttings	1965	751850
T	349m S	Cuttings	1988	751850
U	350m NE	Refuse Heap	1927	719705
T	350m S	Cuttings	1955	744566
P	352m N	Unspecified Works	1908	769179
Q	353m N	Unspecified Hole	1927	729377



ID	Location	Land Use	Date	Group ID
P	354m N	Unspecified Works	1955	722502
V	357m NE	Refuse Heap	1938	727111
P	360m N	Unspecified Works	1965	722502
7	362m S	Clay Pit	1927	676037
V	363m NE	Refuse Heap	1955	727111
E	367m N	Unspecified Tank	1938	730079
E	367m N	Unspecified Tank	1927	730079
E	367m N	Unspecified Tank	1965	674894
U	380m NE	Refuse Heap	1965	743012
U	382m NE	Refuse Heap	1955	744367
P	386m N	Unspecified Works	1991	764519
P	387m N	Unspecified Works	1988	756151
P	395m N	Unspecified Works	1977	756151
8	416m W	Sand Pit	1851	643946
R	417m NE	Refuse Heap	1955	722616
Y	418m NE	Bleach and Dye works	1938	756283
V	418m NE	Refuse Heap	1965	767316
Y	427m NE	Refuse Heap	1938	730548
Y	428m NE	Refuse Heap	1927	715382
Y	429m NE	Refuse Heap	1955	730548
V	430m NE	Refuse Heap	1908	734809
Y	431m NE	Railway Sidings	1927	641664
Y	433m NE	Refuse Heap	1965	760334
Y	433m NE	Unspecified Works	1965	679075
Z	457m N	Unspecified Pit	1891	691083
AA	461m NE	Railway Buildings	1965	712110
Z	464m N	Unspecified Heap	1938	725801
Z	464m N	Unspecified Heap	1927	725801



ID	Location	Land Use	Date	Group ID
Z	464m N	Unspecified Heap	1908	725801
9	464m NW	Refuse Heap	1955	678039
AA	469m NE	Railway Building	1938	719089
AA	469m NE	Railway Building	1927	719089
Z	472m N	Unspecified Pits	1991	746221
Z	472m N	Unspecified Pits	1977	746221
Z	472m N	Unspecified Pits	1965	746221
Z	472m N	Unspecified Pits	1988	746221
AA	474m NE	Railway Buildings	1955	712110
AB	478m N	Disused Canal	1991	788290
AB	478m N	Disused Canal	1988	788290
AB	479m N	Disused Canal	1977	706247
AA	482m NE	Railway Building	1938	715018
AA	482m NE	Railway Building	1927	715018
AA	485m NE	Unspecified Tank	1938	789190
AA	485m NE	Unspecified Tank	1927	789190
AA	485m NE	Unspecified Old Shaft	1908	651949
11	490m E	Refuse Heap	1977	716824
AA	492m NE	Unspecified Tank	1955	789190

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

106

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 25 >](#)

ID	Location	Land Use	Date	Group ID
A	20m N	Unspecified Tank	1893	89181



ID	Location	Land Use	Date	Group ID
A	20m N	Unspecified Tank	1909	89181
A	68m E	Tanks	1929	95177
A	68m E	Tanks	1937	95177
A	69m E	Tanks	1955	99081
A	70m E	Tanks	1955	99081
A	70m E	Tanks	1955	99081
H	89m SE	Unspecified Tank	1893	85002
A	94m E	Tanks	1955	89163
A	94m E	Tanks	1955	95539
A	94m E	Tanks	1955	95539
H	102m SE	Unspecified Tank	1909	100757
H	103m SE	Unspecified Tank	1929	100757
A	114m E	Tanks	1929	98732
A	114m E	Tanks	1937	98732
A	116m E	Tanks	1955	89104
A	116m E	Tanks	1955	89104
A	116m E	Tanks	1955	93599
E	133m N	Unspecified Tank	1955	97509
E	134m N	Unspecified Tank	1955	97509
E	134m N	Unspecified Tank	1955	97509
A	144m E	Unspecified Tank	1955	102160
A	144m E	Tanks	1929	87945
A	144m E	Unspecified Tank	1955	102160
E	160m N	Tanks	1909	87952
E	178m N	Tanks	1929	89772
E	178m N	Tanks	1937	89772
A	192m E	Unspecified Tank	1929	85005
A	193m SE	Unspecified Tank	1893	103663



ID	Location	Land Use	Date	Group ID
A	194m SE	Unspecified Tank	1929	103663
E	195m N	Humus Tank	1955	95867
E	196m N	Humus Tank	1955	95867
E	196m N	Humus Tank	1955	95867
D	197m NE	Unspecified Tank	1937	85004
D	200m NE	Unspecified Tank	1955	100374
D	201m NE	Unspecified Tank	1955	96914
D	201m NE	Unspecified Tank	1955	96914
E	209m N	Unspecified Tank	1929	102824
E	209m N	Unspecified Tank	1937	102824
E	211m N	Humus Tank	1955	102318
E	212m N	Humus Tank	1955	92319
E	212m N	Humus Tank	1955	92319
E	213m N	Unspecified Tank	1955	89329
E	214m N	Unspecified Tank	1955	102027
E	214m N	Unspecified Tank	1955	102027
E	215m N	Tanks	1909	97755
E	218m N	Tanks	1909	95652
E	218m N	Tanks	1929	95652
E	218m N	Tanks	1937	95652
E	220m N	Settling Tanks	1955	97589
E	220m N	Settling Tanks	1955	97589
E	220m N	Settling Tank	1955	78451
E	221m N	Settling Tanks	1955	101206
E	221m N	Settling Tank	1955	97019
E	238m N	Settling Tanks	1955	89906
E	246m N	Settling Tank	1955	98739
F	300m SE	Unspecified Tank	1929	95554



ID	Location	Land Use	Date	Group ID
F	300m SE	Unspecified Tank	1937	95554
E	306m N	Unspecified Tank	1955	95837
E	306m N	Unspecified Tank	1955	95837
E	306m N	Unspecified Tank	1955	95837
E	308m N	Unspecified Tank	1955	98663
E	308m N	Unspecified Tank	1955	98663
E	309m N	Unspecified Tank	1955	96574
R	312m NE	Gasometer	1955	78101
E	312m N	Tanks	1929	102129
E	312m N	Tanks	1937	102129
E	317m N	Tanks	1929	94919
E	317m N	Tanks	1937	94919
E	318m N	Unspecified Tank	1955	99609
E	318m N	Unspecified Tank	1955	99609
E	318m N	Unspecified Tank	1955	99609
E	324m N	Tanks	1955	94883
E	324m N	Tanks	1955	94883
E	324m N	Tanks	1955	94883
E	324m N	Tanks	1955	94883
E	329m N	Tanks	1929	103949
E	329m N	Tanks	1937	103949
E	332m N	Tanks	1956	87951
E	332m N	Unspecified Tank	1929	85012
E	335m N	Tanks	1956	89830
E	335m N	Tanks	1955	103395
E	335m N	Tanks	1955	103395
E	335m N	Tanks	1955	103395
E	335m N	Tanks	1955	103395



ID	Location	Land Use	Date	Group ID
E	336m N	Unspecified Tank	1955	98107
E	336m N	Unspecified Tank	1955	98107
E	336m N	Unspecified Tank	1955	98107
E	336m N	Unspecified Tank	1955	98107
E	342m N	Unspecified Tank	1955	94069
E	342m N	Unspecified Tank	1955	94069
E	342m N	Unspecified Tank	1955	94069
E	342m N	Unspecified Tank	1955	94069
E	347m N	Unspecified Tank	1955	102390
E	347m N	Unspecified Tank	1955	102390
E	347m N	Unspecified Tank	1955	102390
E	347m N	Unspecified Tank	1955	102390
E	351m N	Unspecified Tank	1955	90542
E	351m N	Unspecified Tank	1955	90542
E	352m N	Unspecified Tank	1955	90542
E	352m N	Unspecified Tank	1955	90542
W	357m E	Unspecified Tank	1955	103864
W	357m E	Unspecified Tank	1955	103864
W	357m E	Unspecified Tank	1955	85006
AA	485m NE	Unspecified Tank	1929	92850
AA	485m NE	Unspecified Tank	1937	92850

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

21

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 25 >](#)



ID	Location	Land Use	Date	Group ID
A	On site	Electric Power Station	1909	46465
A	On site	Electricity Substation	1992	47888
A	0m NE	Electricity Transmission Station	1992	46308
A	0m NE	Electricity Transformer Station	1988	46300
A	1m NE	Electricity Substation	1988	47888
E	8m NE	Generating Station	1955	54252
E	12m NE	Generating Station	1955	52594
E	12m NE	Generating Station	1955	52594
H	90m SE	Electricity Substation	1955	58447
H	90m SE	Electricity Substation	1955	58447
N	254m N	Electricity Substation	1955	51717
N	256m N	Electricity Substation	1955	55664
N	256m N	Electricity Substation	1955	55664
F	305m S	Electricity Substation	1993	49603
F	305m S	Electricity Substation	1955	49603
F	306m S	Electricity Substation	1955	49603
F	306m S	Electricity Substation	1987	49603
R	312m NE	Gasometer	1955	46153
X	407m SE	Electricity Substation	1987	50652
X	408m SE	Electricity Substation	1993	50652
10	482m E	Electricity Substation	1994	45630

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



2.5 Historical garages

Records within 500m

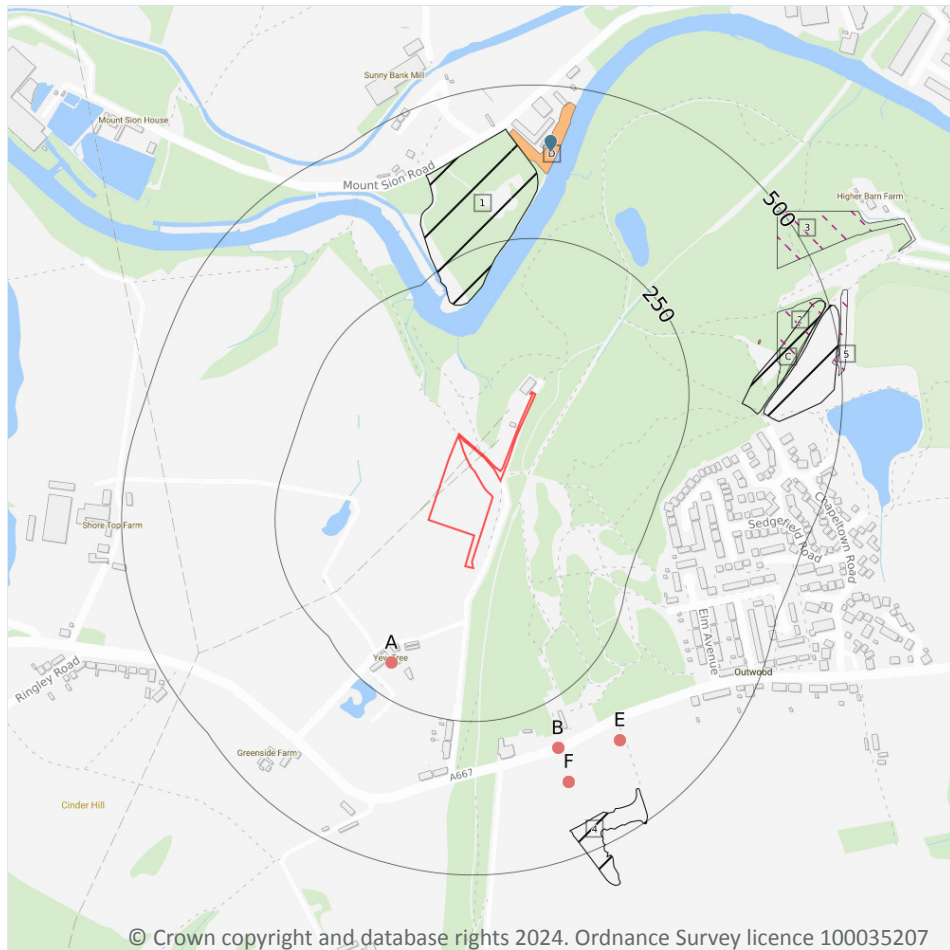
0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 41 >](#)

ID	Location	Site address	Source	Data type
2	394m E	Refuse Tip	1972 mapping	Polygon
3	444m NE	Refuse Tip	1972 mapping	Polygon
5	486m E	Refuse Tip	1972 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

4

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

Features are displayed on the Waste and landfill map on [page 41 >](#)

ID	Location	Details		
1	178m N	Site Address: Land at Mount Sion Street, Sion Street, Radcliffe, Bury, Greater Manchester Licence Holder Address: -	Waste Licence: Yes Site Reference: C062 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1974 Licence Surrender: -	Operator: - Licence Holder: Greater Manchester Waste Disposal Authority First Recorded 31/12/1965 Last Recorded: 31/12/1976
C	336m E	Site Address: Land at Freightman Hillock Farm, Off Outwood Road, Radcliffe, Bury, Greater Manchester Licence Holder Address: Johnson Street, Radcliffe, Bury	Waste Licence: Yes Site Reference: RD/LIC/025/76, C020 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 19/10/1978 Licence Surrender: 29/04/1994	Operator: - Licence Holder: The Radcliffe Paper Mill Company First Recorded 31/12/1934 Last Recorded: 31/12/1993



ID	Location	Details		
C	373m E	Site Address: Land at Freightman Hillock Farm, Off Outwood Road, Radcliffe, Bury, Greater Manchester Licence Holder Address: Johnson Street, Radcliffe, Bury	Waste Licence: Yes Site Reference: RD/LIC/025/76, C020 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 19/10/1978 Licence Surrender: 29/04/1994	Operator: - Licence Holder: The Radcliffe Paper Mill Company First Recorded 31/12/1934 Last Recorded: 31/12/1993
4	447m SE	Site Address: Lower Heaps Farm, Off Ringley Road West, Outwood, Radcliffe, Greater Manchester Licence Holder Address: -	Waste Licence: Yes Site Reference: RD/LIC/218/81, C056 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 03/08/1981 Licence Surrender: 22/09/1995	Operator: - Licence Holder: J Smalley First Recorded 03/08/1981 Last Recorded: 31/12/1985

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

3.5 Historical waste sites

Records within 500m	4
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Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on [page 41 >](#)

ID	Location	Address	Further Details	Date
D	355m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
C	371m NE	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
C	372m NE	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955



ID	Location	Address	Further Details	Date
C	372m NE	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955

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

3.6 Licensed waste sites

Records within 500m	2
----------------------------	----------

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

Features are displayed on the Waste and landfill map on [page 41 >](#)

ID	Location	Details		
D	406m N	Site Name: Vehicle Reclamation Site Address: Nursery Works, Sion Street, Radcliffe, Manchester, M26 3SJ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HUG001 EPR reference: EA/EPR/LP3194CZ/A001 Operator: Hughes Ben Waste Management licence No: 50254 Annual Tonnage: 2500	Issue Date: 05/08/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	406m N	Site Name: Vehicle Reclamation Site Address: Nursery Works, Sion Street, Radcliffe, Manchester, M26 3SJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 637039 EPR reference: EA/EPR/BB3731AY Operator: Colin Waters Waste Management licence No: 50254 Annual Tonnage: 2499	Issue Date: 05/08/2004 Effective Date: 05/08/2004 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

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



3.7 Waste exemptions

Records within 500m

17

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 41](#) >

ID	Location	Site	Reference	Category	Sub-Category	Description
A	198m SW	-	WEX362959	Disposing of waste exemption	On a farm	Burning waste in the open
A	198m SW	-	WEX235961	Disposing of waste exemption	On a Farm	Burning waste in the open
B	324m S	1 Lower Heaps Ringley Road West MANCHESTER M26 1DT	EPR/XH0471LZ /A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
B	324m S	1 Lower Heaps Ringley Road West MANCHESTER M26 1DT	EPR/XH0471LZ /A001	Using waste exemption	Agricultural Waste Only	Spreading of plant matter to confer benefit
B	324m S	1 Lower Heaps Ringley Road West MANCHESTER M26 1DT	EPR/XH0471LZ /A001	Using waste exemption	Agricultural Waste Only	Burning of waste as a fuel in a small appliance
B	324m S	1 Lower Heaps Ringley Road West MANCHESTER M26 1DT	EPR/XH0471LZ /A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose
B	324m S	1 Lower Heaps Ringley Road West MANCHESTER M26 1DT	EPR/XH0471LZ /A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
B	324m S	1 Lower Heaps Ringley Road West MANCHESTER M26 1DT	EPR/XH0471LZ /A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
E	368m SE	Land at Lower Heaps Farm Ringley Road West Lancs M26 1DT	EPR/HE5241X B/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
E	368m SE	1 Lower Heaps Ringley Road West MANCHESTER M26 1DT	EPR/JE5142TQ /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
F	382m S	-	WEX353313	Storing waste exemption	On a farm	Storage of sludge

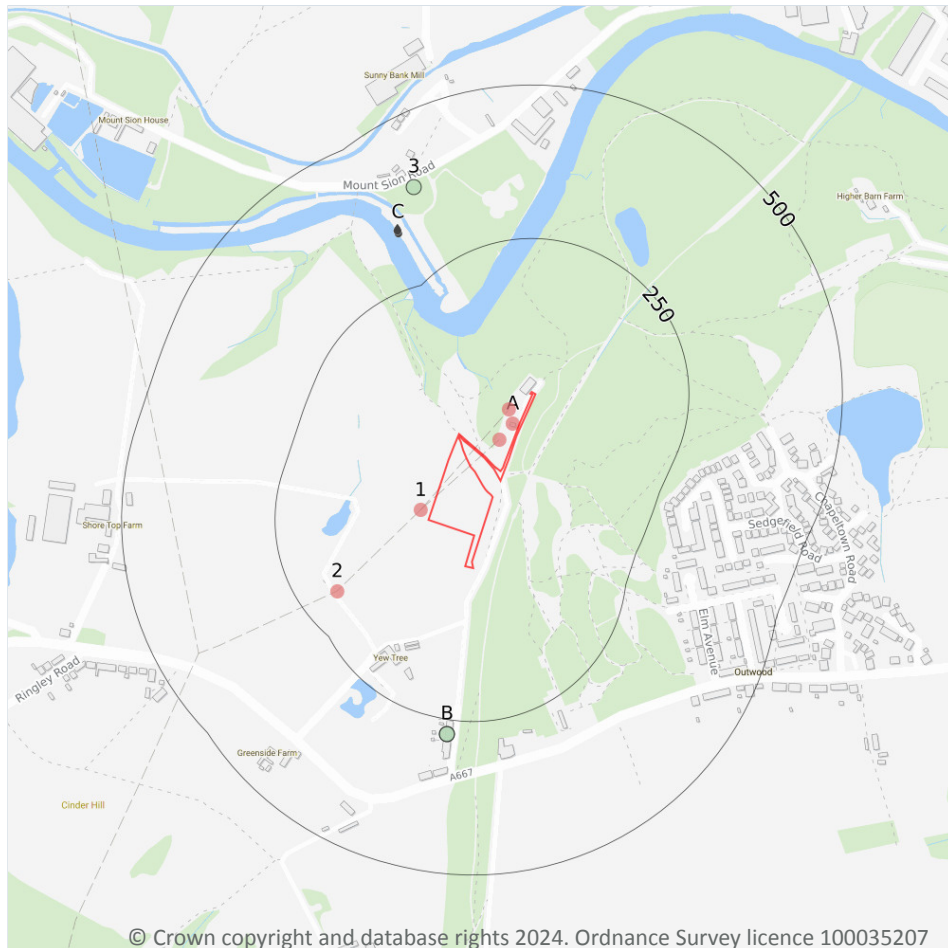


ID	Location	Site	Reference	Category	Sub-Category	Description
F	382m S	-	WEX301047	Storing waste exemption	On a Farm	Storage of sludge
F	382m S	-	WEX386491	Storing waste exemption	On a farm	Storage of sludge
F	382m S	-	WEX228724	Storing waste exemption	On a Farm	Storage of sludge
F	382m S	-	WEX155048	Storing waste exemption	On a Farm	Storage of sludge
F	382m S	-	WEX113760	Storing waste exemption	On a farm	Storage of sludge
F	382m S	-	WEX259512	Storing waste exemption	On a farm	Storage of sludge

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

5

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 47](#) >

ID	Location	Company	Address	Activity	Category
A	11m NE	Electricity Sub Station	Greater Manchester, M26	Electrical Features	Infrastructure and Facilities
1	17m W	Pylon	Greater Manchester, M26	Electrical Features	Infrastructure and Facilities
A	21m NE	Pylon	Greater Manchester, M26	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
A	25m NE	Pylon	Greater Manchester, M26	Electrical Features	Infrastructure and Facilities
2	189m SW	Pylon	Greater Manchester, M26	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m 0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m 0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m 0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m 0

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

This data is sourced from Local Authority records.



4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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



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

Records within 500m

0

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

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

3

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 47 >](#)

ID	Location	Address	Details	
C	339m N	MOUNT SION ROAD CSO, MOUNT SION ROAD, RADCLIFFE, MANCHESTER, GREATER MANCHESTER, M26 3SL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0037 Permit Version: 3 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 30/08/2017 Effective Date: 25/08/2017 Revocation Date: -
C	343m N	MOUNT SION ROAD CSO, MOUNT SION ROAD, RADCLIFFE, MANCHESTER, GREATER MANCHESTER, M26 3SL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0037 Permit Version: 2 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 24/08/2017
C	343m N	MOUNT SION ROAD CSO, MOUNT SION ROAD, RADCLIFFE, MANCHESTER, GREATER MANCHESTER, M26 3SL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0037 Permit Version: 1 Receiving Water: RIVER IRWELL	Status: VARIED UNDER EPR 2010 Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**3**

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

Features are displayed on the Current industrial land use map on [page 47](#) >

ID	Location	Details	
B	272m S	Incident Date: 13/07/2019 Incident Identification: 1718458 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Natural Organic Material	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
B	272m S	Incident Date: 13/07/2019 Incident Identification: 1718458 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
3	385m N	Incident Date: 05/04/2001 Incident Identification: 1650 Pollutant: Organic Chemicals/Products Pollutant Description: Solvents	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0
----------------------------	----------

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0
----------------------------	----------

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

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

4.21 Pollution inventory radioactive waste

Records within 500m	0
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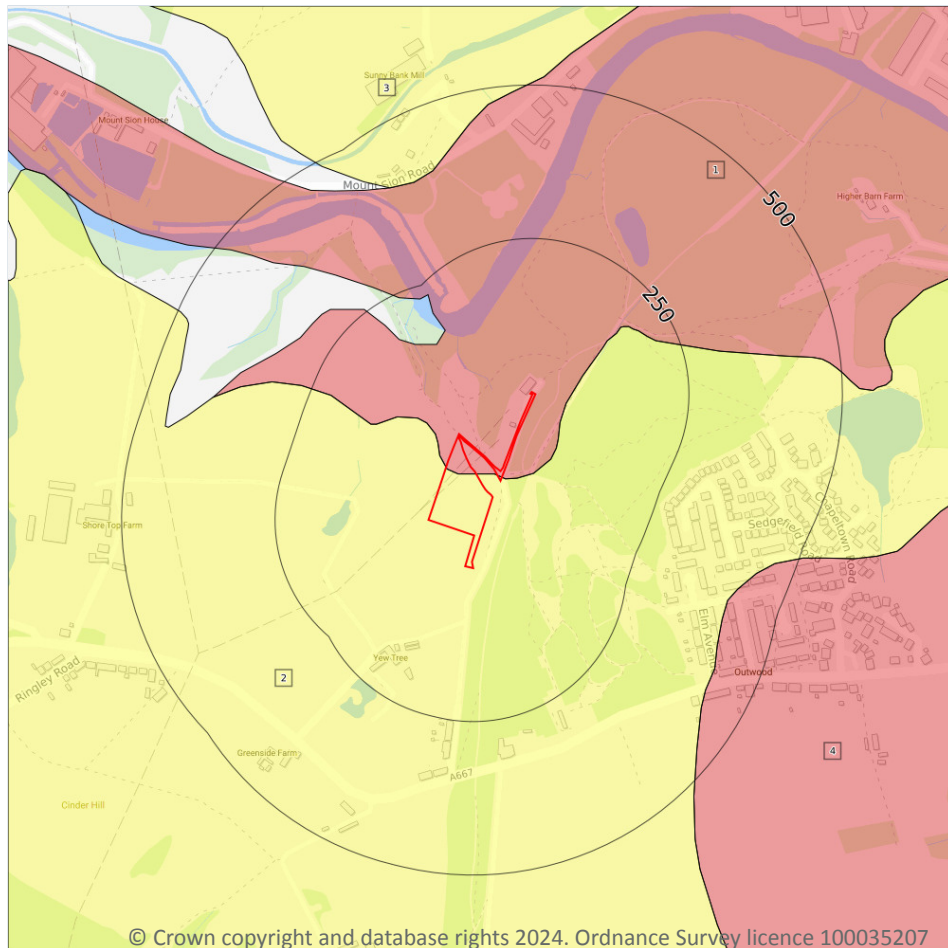
The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.



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



5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 54 >](#)

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

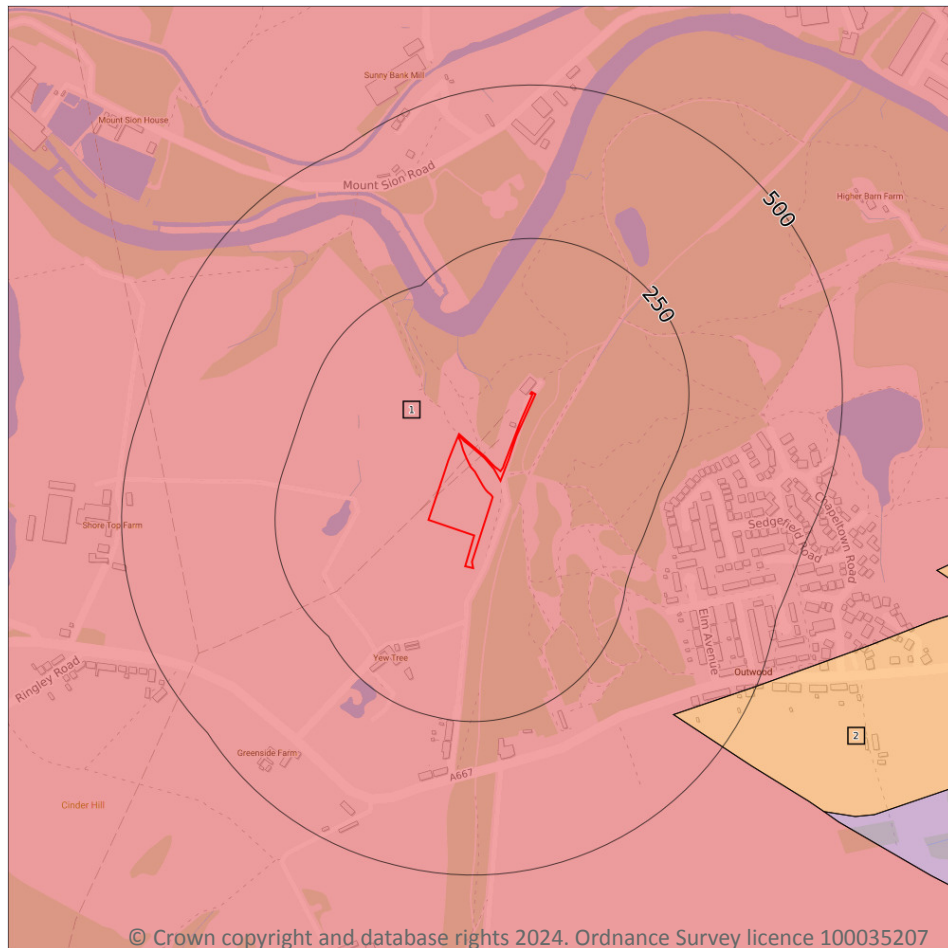


ID	Location	Designation	Description
3	392m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	414m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 56](#) >

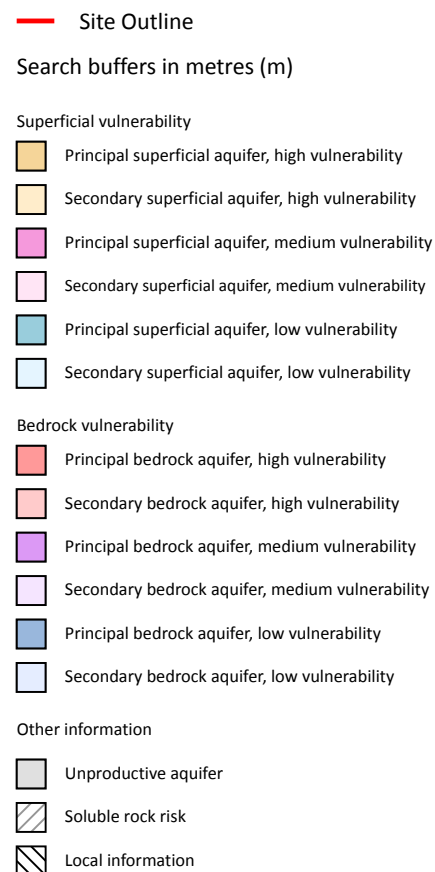
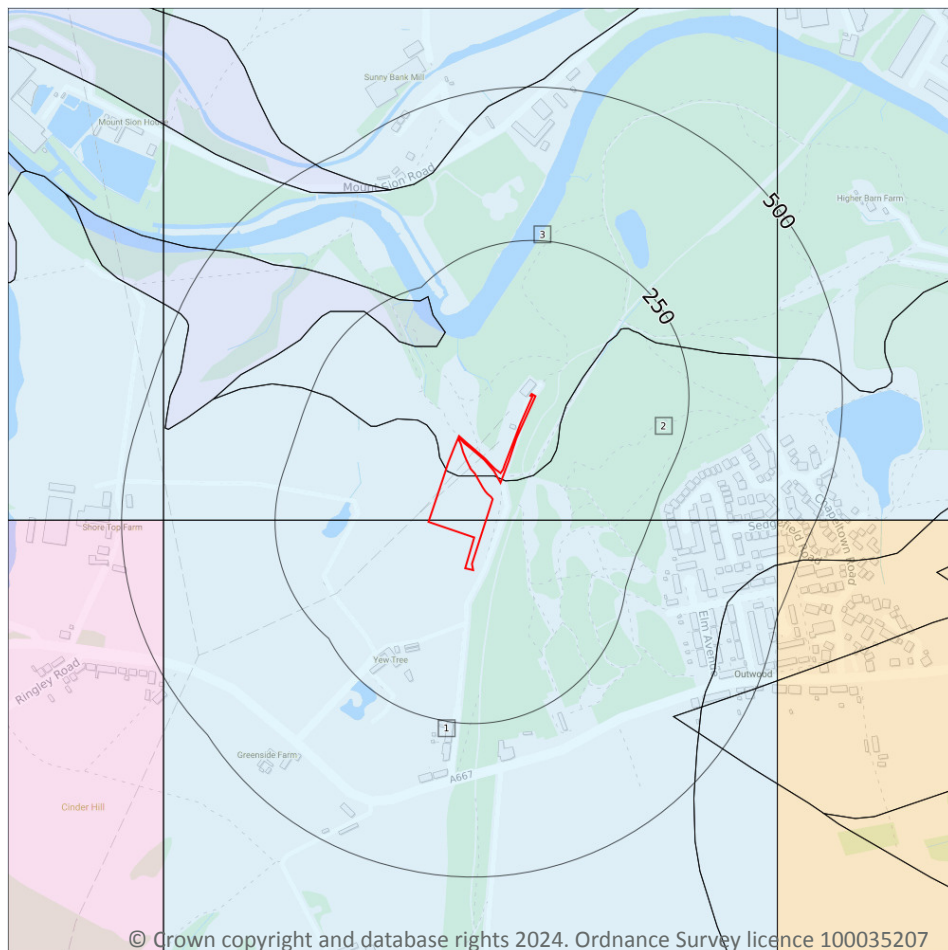
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	404m SE	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers



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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

3

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 58](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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

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



Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)**
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

9

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 60 >](#)



ID	Location	Details	
-	1803m W	Status: Historical Licence No: 2569004049 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT CREAMS MILL, MYTHAM ROAD, LITTLE LEVER, BOLTON" Data Type: Point Name: DANISCO PAPER LTD Easting: 375700 Northing: 406500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/05/1994 Expiry Date: - Issue No: 100 Version Start Date: 21/09/1995 Version End Date: -
-	1803m W	Status: Historical Licence No: 2569004049 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT CREAMS MILL, MYTHAM ROAD, LITTLE LEVER, BOLTON Data Type: Point Name: MONDI PAPER LIMITED Easting: 375700 Northing: 406500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/05/1994 Expiry Date: - Issue No: 101 Version Start Date: 11/09/2001 Version End Date: -
-	1822m NW	Status: Historical Licence No: 2569004051 Details: Dust suppression Direct Source: Ground Water - North West Region Point: "BOREHOLE AT STOPEs RD, LITTLE LEVER, BOLTON" Data Type: Point Name: TARMAC TOPBLOCK LTD Easting: 376330 Northing: 407550	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 29/04/1996 Expiry Date: - Issue No: 100 Version Start Date: 06/04/1998 Version End Date: -
-	1822m NW	Status: Historical Licence No: 2569004051 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT STOPEs RD, LITTLE LEVER, BOLTON" Data Type: Point Name: TARMAC TOPBLOCK LTD Easting: 376330 Northing: 407550	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 29/04/1996 Expiry Date: - Issue No: 100 Version Start Date: 06/04/1998 Version End Date: -



ID	Location	Details	
-	1822m NW	Status: Historical Licence No: 2569004051 Details: Dust Suppression Direct Source: Ground Water - North West Region Point: BOREHOLE AT STOPES RD, LITTLE LEVER, BOLTON Data Type: Point Name: Tarmac Building Products Limited Easting: 376330 Northing: 407550	Annual Volume (m ³): 30000 Max Daily Volume (m ³): 168 Original Application No: - Original Start Date: 29/04/1996 Expiry Date: - Issue No: 104 Version Start Date: 01/11/2016 Version End Date: -
-	1822m NW	Status: Historical Licence No: 2569004051 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT STOPES RD, LITTLE LEVER, BOLTON Data Type: Point Name: Tarmac Building Products Limited Easting: 376330 Northing: 407550	Annual Volume (m ³): 30000 Max Daily Volume (m ³): 168 Original Application No: - Original Start Date: 29/04/1996 Expiry Date: - Issue No: 104 Version Start Date: 01/11/2016 Version End Date: -
-	1996m E	Status: Historical Licence No: 2569004030 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "WELLPOINT SYSTEM AT PREMISES, RADCLIFFE" Data Type: Point Name: JAMES HALSTEAD LTD Easting: 379600 Northing: 406300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/01/1995 Version End Date: -
-	1996m E	Status: Historical Licence No: 2569004030 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: WELLPOINT SYSTEM AT PREMISES, RADCLIFFE Data Type: Point Name: POLYFLOR LTD Easting: 379600 Northing: 406300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/03/2000 Version End Date: -



ID	Location	Details	
-	1996m E	Status: Historical Licence No: 2569004030 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: WELL POINT SYSTEM AT PREMISES RADCLIFFE Data Type: Point Name: POLYFLOR LTD Easting: 379600 Northing: 406300	Annual Volume (m ³): 68200 Max Daily Volume (m ³): 382 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/03/2000 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	9
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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 60 >](#)

ID	Location	Details	
A	823m NW	Status: Historical Licence No: 2569004024 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "R IRWELL AT MOUNT SION WORKS, RADCLIFFE" Data Type: Point Name: AHLSTROM DEXTER LTD Easting: 376800 Northing: 406600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 03/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/09/2000 Version End Date: -
A	823m NW	Status: Historical Licence No: 2569004024 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: R IRWELL AT MOUNT SION WORKS, RADCLIFFE Data Type: Point Name: AHLSTROM CHIRNSIDE LTD Easting: 376800 Northing: 406600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 03/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/11/2001 Version End Date: -



ID	Location	Details	
A	823m NW	Status: Historical Licence No: 2569004024 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT MOUNT SION WORKS RADCLIFFE Data Type: Point Name: Ahlstrom-Munksjö Chirnside Ltd Easting: 376800 Northing: 406600	Annual Volume (m ³): 2127528 Max Daily Volume (m ³): 8182.80 Original Application No: NPS/WR/035735 Original Start Date: 03/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 25/06/2021 Version End Date: -
-	916m W	Status: Historical Licence No: 2569004043 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: SHORE TOP RESERVOIR AT RADCLIFFE Data Type: Point Name: Ahlstrom-Munksjö Chirnside Ltd Easting: 376600 Northing: 406400	Annual Volume (m ³): 454600 Max Daily Volume (m ³): 2273.04 Original Application No: NPS/WR/035736 Original Start Date: 21/05/1981 Expiry Date: - Issue No: 102 Version Start Date: 25/06/2021 Version End Date: -
-	1560m W	Status: Historical Licence No: 2569004027 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "THE RIVER IRWELL AT KEARSLEY PAPER WORKS, STONECLOUGH" Data Type: Point Name: ROBERT FLETCHER STONECLOUGH LTD Easting: 375900 Northing: 405700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 07/05/1997 Version End Date: -
-	1560m W	Status: Historical Licence No: 2569004027 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: THE RIVER IRWELL AT KEARSLEY PAPER WORKS, STONECLOUGH Data Type: Point Name: ROBERT FLETCHER STONECLOUGH LTD Easting: 375900 Northing: 405700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 07/05/1997 Version End Date: -



ID	Location	Details	
-	1680m W	Status: Historical Licence No: 2569004003 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "R IRWELL AT LITTLE LEVER, BOLTON" Data Type: Point Name: DANISCO PAPER LTD Easting: 375800 Northing: 406400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/09/1995 Version End Date: -
-	1680m W	Status: Historical Licence No: 2569004003 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: R IRWELL AT LITTLE LEVER, BOLTON Data Type: Point Name: MONDI PACKAGING HOLCOMBE LIMITED Easting: 375800 Northing: 406400	Annual Volume (m ³): 409140 Max Daily Volume (m ³): 1571.1 Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 07/10/2005 Version End Date: -
-	1994m NE	Status: Historical Licence No: 2569004004 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY SURFACE DRAINAGE ATRADCLIFFE Data Type: Point Name: ST REGIS PAPER COMPANY U K LTD Easting: 378800 Northing: 407800	Annual Volume (m ³): 40004.8 Max Daily Volume (m ³): 109.104 Original Application No: - Original Start Date: 28/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 05/05/2001 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
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Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

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



5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

25

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 67 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
2	44m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
A	63m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	89m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	106m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	113m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	114m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	124m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	125m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	135m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	139m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
A	150m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	153m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	155m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	156m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Irwell



ID	Location	Type of water feature	Ground level	Permanence	Name
F	158m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	163m NW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
A	165m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Irwell
A	212m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Irwell
A	215m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Irwell
A	218m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	224m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Irwell
A	230m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	234m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	236m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	236m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Irwell

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

14

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 67 >](#)

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 67 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Irwell (Roch to Croal)	GB112069060840	Croal Irwell	Irwell

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 67 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
G	164m N	River	Irwell (Roch to Croal)	GB112069060840 ↗	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 67](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Northern Manchester Carboniferous Aquifers	GB41202G101800 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

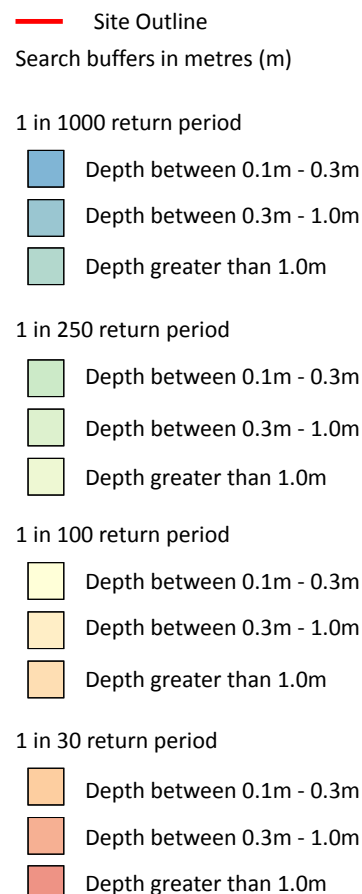
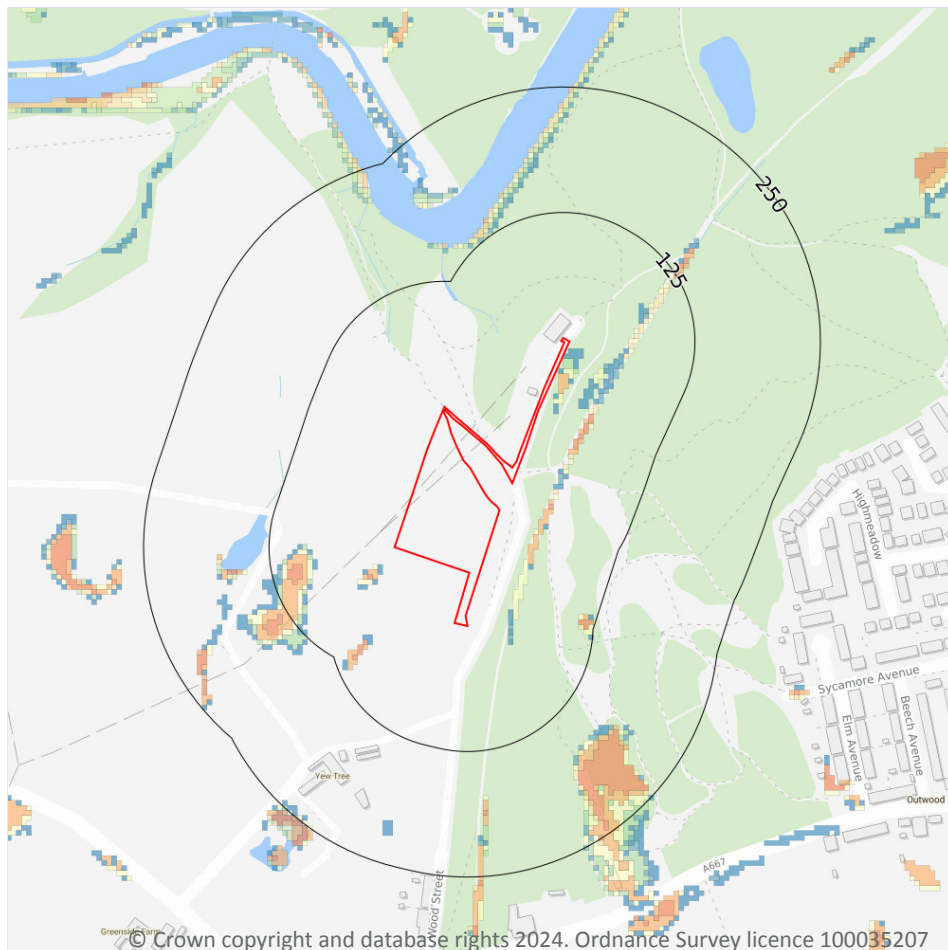
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 1000 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 75 >](#)

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



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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiantal Risk Analytics.

