

357995 , 387708,

Order Details

Date: 15/03/2024
Your ref: Unit_1d_Penketh_Business_Park
Our Ref: GS-53F-CPV-AGL-61U

Site Details

Location: 357997 387706
Area: 0.02 ha
Authority: [Warrington Borough Council](#) ↗



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[Summary of findings](#)

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[Aerial image](#)

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[OS MasterMap site plan](#)

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info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
12 >	1.1 >	Historical industrial land uses >	5	7	18	19	-
14 >	1.2 >	Historical tanks >	0	1	6	1	-
15 >	1.3 >	Historical energy features >	0	0	6	5	-
16	1.4	Historical petrol stations	0	0	0	0	-
16 >	1.5 >	Historical garages >	0	0	0	4	-
17	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
18 >	2.1 >	Historical industrial land uses >	8	13	26	27	-
21 >	2.2 >	Historical tanks >	0	1	6	1	-
22 >	2.3 >	Historical energy features >	0	0	13	10	-
23	2.4	Historical petrol stations	0	0	0	0	-
23 >	2.5 >	Historical garages >	0	0	0	7	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
24	3.1	Active or recent landfill	0	0	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
25 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	1	0	-
25 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	2	0	-
26 >	3.5 >	Historical waste sites >	0	0	0	1	-
26 >	3.6 >	Licensed waste sites >	0	0	0	5	-
28 >	3.7 >	Waste exemptions >	0	0	0	5	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
29 >	4.1 >	Recent industrial land uses >	0	1	7	-	-
30 >	4.2 >	Current or recent petrol stations >	0	0	0	1	-
30	4.3	Electricity cables	0	0	0	0	-
31	4.4	Gas pipelines	0	0	0	0	-
31	4.5	Sites determined as Contaminated Land	0	0	0	0	-



31 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	1	0	-
31	4.7	Regulated explosive sites	0	0	0	0	-
32	4.8	Hazardous substance storage/usage	0	0	0	0	-
32 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	9	0	-
33	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
33 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	3	-
34	4.12	Radioactive Substance Authorisations	0	0	0	0	-
34 >	4.13 >	Licensed Discharges to controlled waters >	0	0	0	4	-
35	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
35	4.15	Pollutant release to public sewer	0	0	0	0	-
35	4.16	List 1 Dangerous Substances	0	0	0	0	-
36	4.17	List 2 Dangerous Substances	0	0	0	0	-
36 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	10	31	-
40	4.19	Pollution inventory substances	0	0	0	0	-
40	4.20	Pollution inventory waste transfers	0	0	0	0	-
41	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Geology (basic) >					
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42 >	5.1 >	Superficial geology (625k) >	Identified (within 500m)				
42 >	5.2 >	Bedrock geology (625k) >	Identified (within 500m)				

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
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43 >	6.1 >	Superficial aquifer >	Identified (within 500m)				
45 >	6.2 >	Bedrock aquifer >	Identified (within 500m)				
46 >	6.3 >	Groundwater vulnerability >	Identified (within 50m)				
47	6.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
47	6.5	Groundwater vulnerability- local information	None (within 0m)				
48 >	6.6 >	Groundwater abstractions >	0	0	0	0	4
50	6.7	Surface water abstractions	0	0	0	0	0
50	6.8	Potable abstractions	0	0	0	0	0
50 >	6.9 >	Source Protection Zones >	0	0	1	0	-



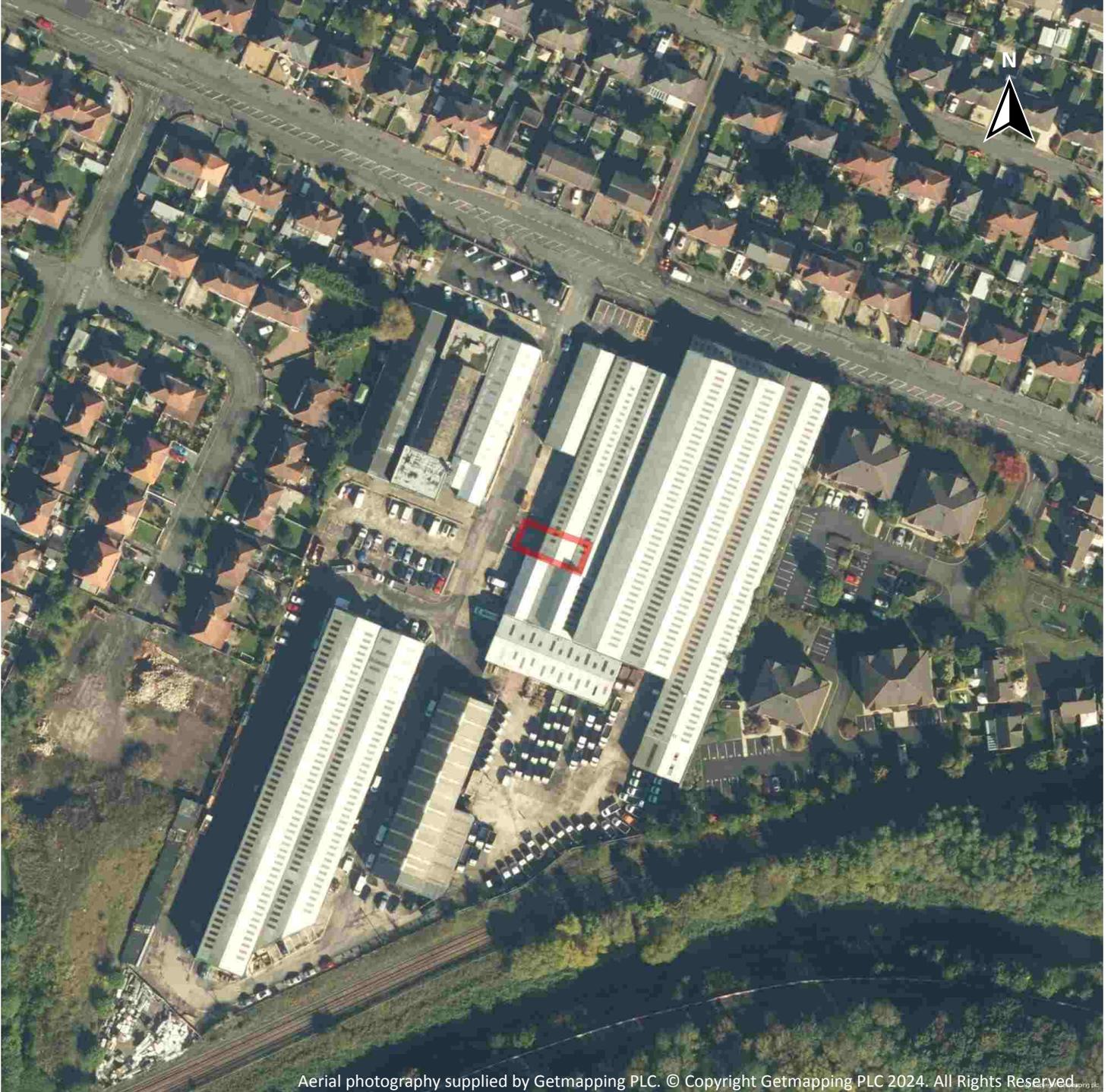
50	6.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
51 >	7.1 >	Water Network (OS MasterMap) >	0	0	1	-	-
52 >	7.2 >	Surface water features >	0	0	1	-	-
52 >	7.3 >	WFD Surface water body catchments >	1	-	-	-	-
52 >	7.4 >	WFD Surface water bodies >	0	0	1	-	-
53 >	7.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
54	8.1	Risk of flooding from rivers and the sea	None (within 50m)				
55 >	8.2 >	Historical Flood Events >	1	0	0	-	-
55	8.3	Flood Defences	0	0	0	-	-
55	8.4	Areas Benefiting from Flood Defences	0	0	0	-	-
55	8.5	Flood Storage Areas	0	0	0	-	-
56	8.6	Flood Zone 2	None (within 50m)				
56	8.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
57 >	9.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
59 >	10.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
60	11.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
61	11.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
61	11.3	Special Areas of Conservation (SAC)	0	0	0	0	0
61	11.4	Special Protection Areas (SPA)	0	0	0	0	0
61	11.5	National Nature Reserves (NNR)	0	0	0	0	0
62	11.6	Local Nature Reserves (LNR)	0	0	0	0	0
62	11.7	Designated Ancient Woodland	0	0	0	0	0
62	11.8	Biosphere Reserves	0	0	0	0	0
62	11.9	Forest Parks	0	0	0	0	0



63	11.10	Marine Conservation Zones	0	0	0	0	0
63 >	<u>11.11 ></u>	<u>Green Belt ></u>	0	0	1	1	3
63	11.12	Proposed Ramsar sites	0	0	0	0	0
63	11.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
64	11.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
64	11.15	Nitrate Sensitive Areas	0	0	0	0	0
64 >	<u>11.16 ></u>	<u>Nitrate Vulnerable Zones ></u>	0	0	1	0	1
65 >	<u>11.17 ></u>	<u>SSSI Impact Risk Zones ></u>	1	-	-	-	-
66	11.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
67	12.1	World Heritage Sites	0	0	0	-	-
67	12.2	Area of Outstanding Natural Beauty	0	0	0	-	-
67	12.3	National Parks	0	0	0	-	-
67	12.4	Listed Buildings	0	0	0	-	-
68	12.5	Conservation Areas	0	0	0	-	-
68	12.6	Scheduled Ancient Monuments	0	0	0	-	-
68	12.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
69 >	<u>13.1 ></u>	<u>Agricultural Land Classification ></u>	Grade 3 (within 250m)				
70	13.2	Open Access Land	0	0	0	-	-
70	13.3	Tree Felling Licences	0	0	0	-	-
70	13.4	Environmental Stewardship Schemes	0	0	0	-	-
70	13.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
71 >	<u>14.1 ></u>	<u>Priority Habitat Inventory ></u>	0	0	4	-	-
72 >	<u>14.2 ></u>	<u>Habitat Networks ></u>	0	1	0	-	-
72	14.3	Open Mosaic Habitat	0	0	0	-	-
72	14.4	Limestone Pavement Orders	0	0	0	-	-



Recent aerial photograph

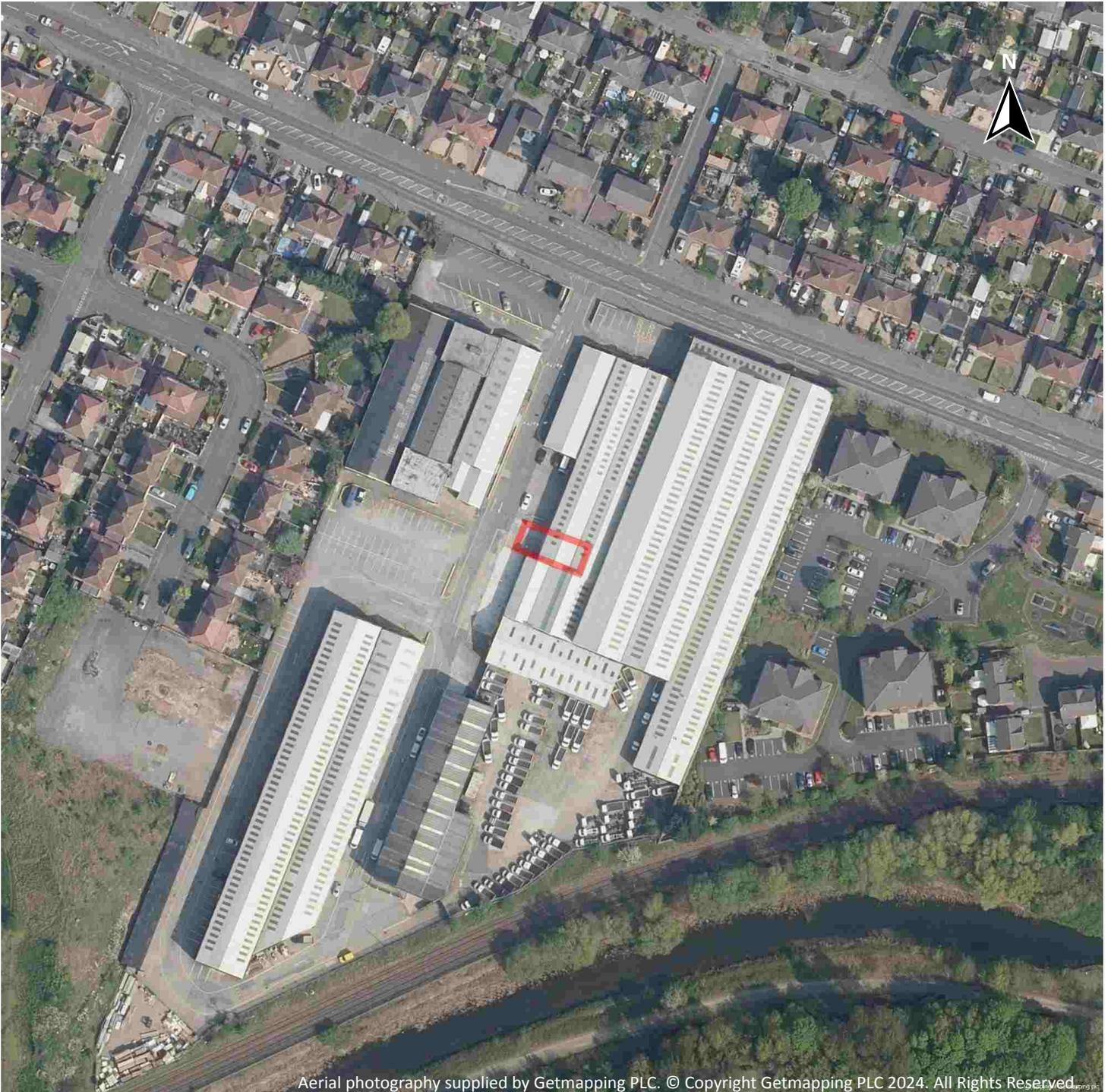


Capture Date: 28/09/2022

Site Area: 0.02ha



Recent site history - 2019 aerial photograph



Capture Date: 22/04/2019

Site Area: 0.02ha



Recent site history - 2009 aerial photograph

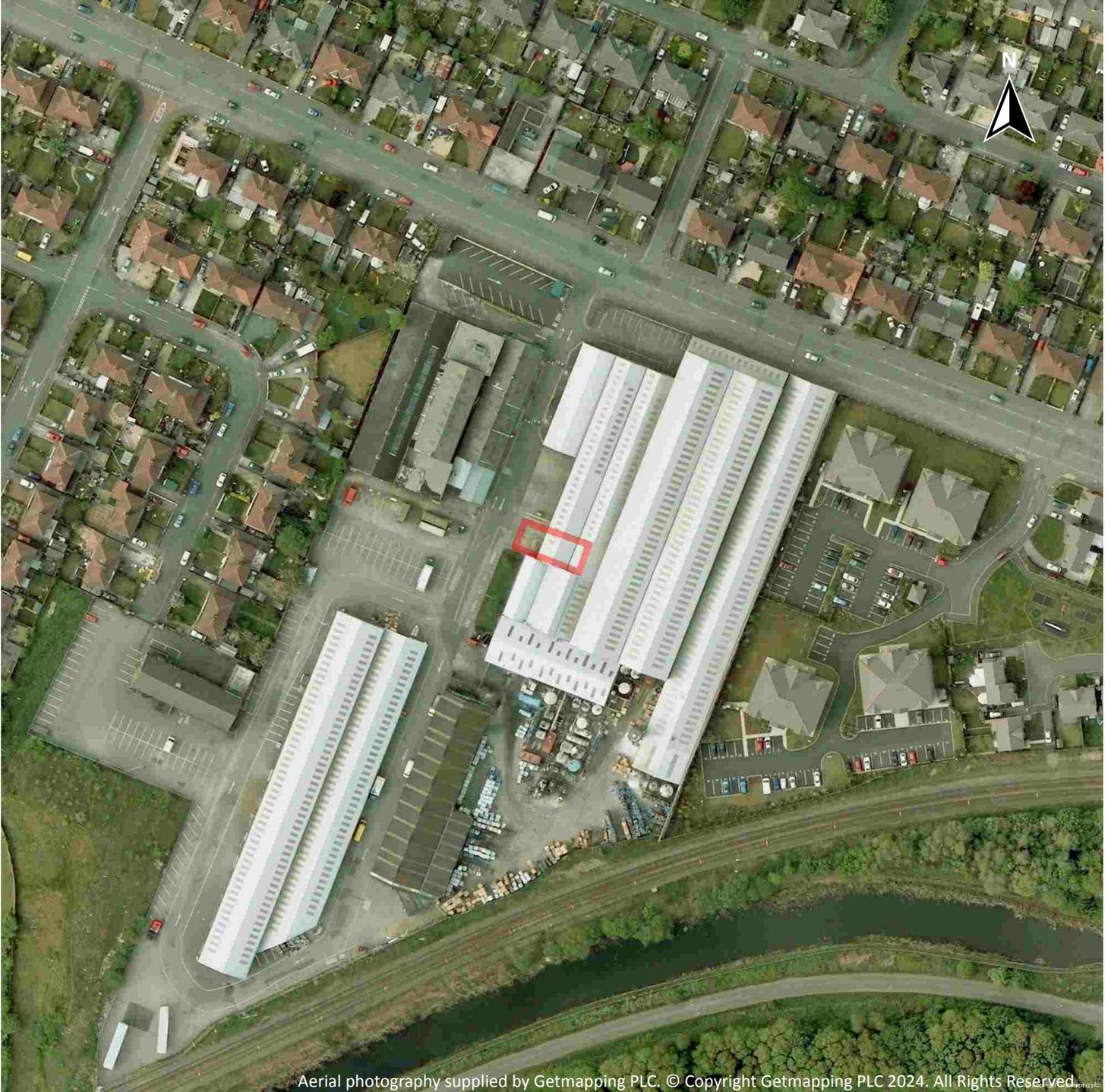


Capture Date: 24/06/2009

Site Area: 0.02ha



Recent site history - 2005 aerial photograph



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Capture Date: 15/05/2005

Site Area: 0.02ha



Recent site history - 2001 aerial photograph

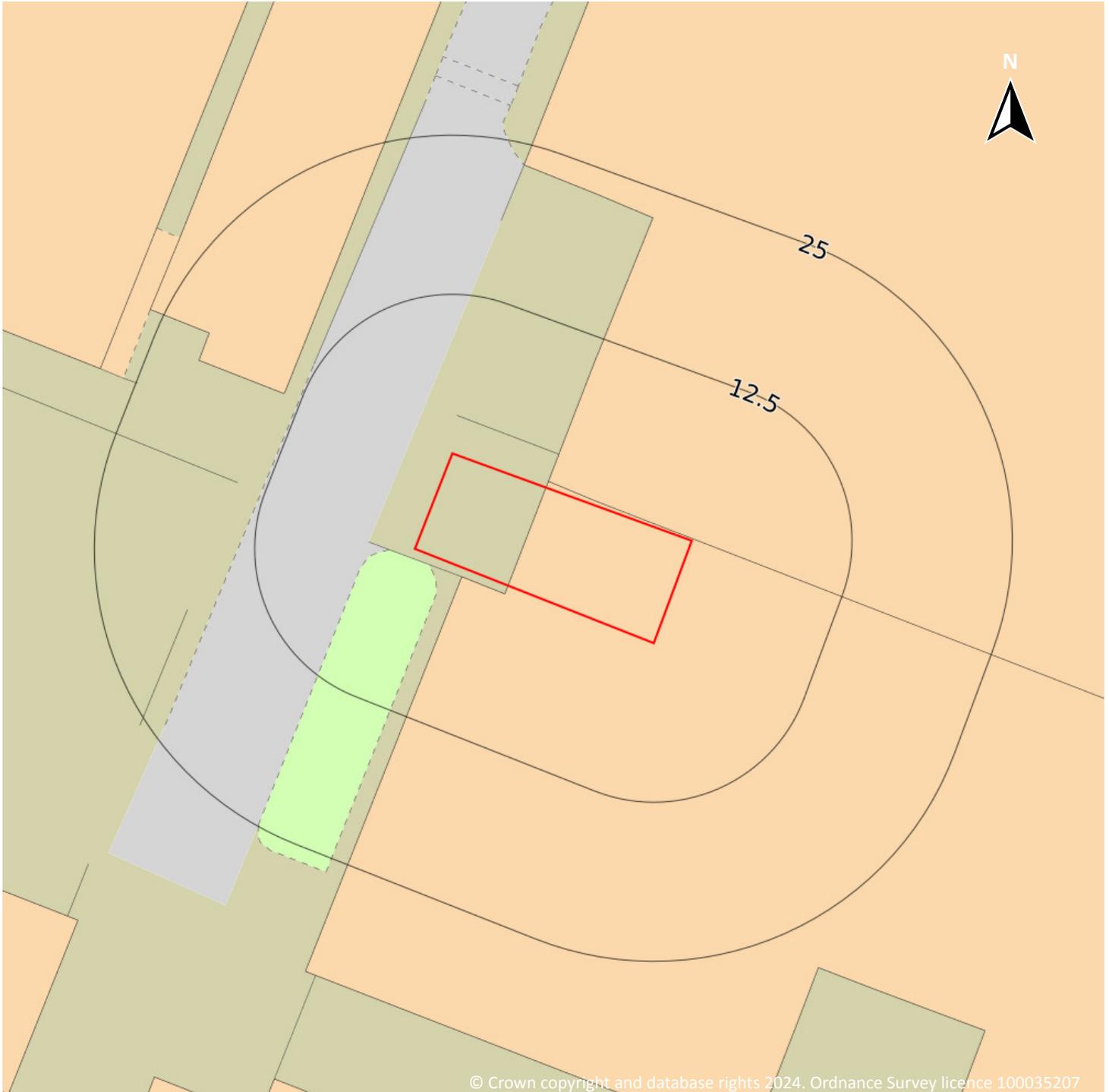


Capture Date: 07/05/2001

Site Area: 0.02ha



OS MasterMap site plan

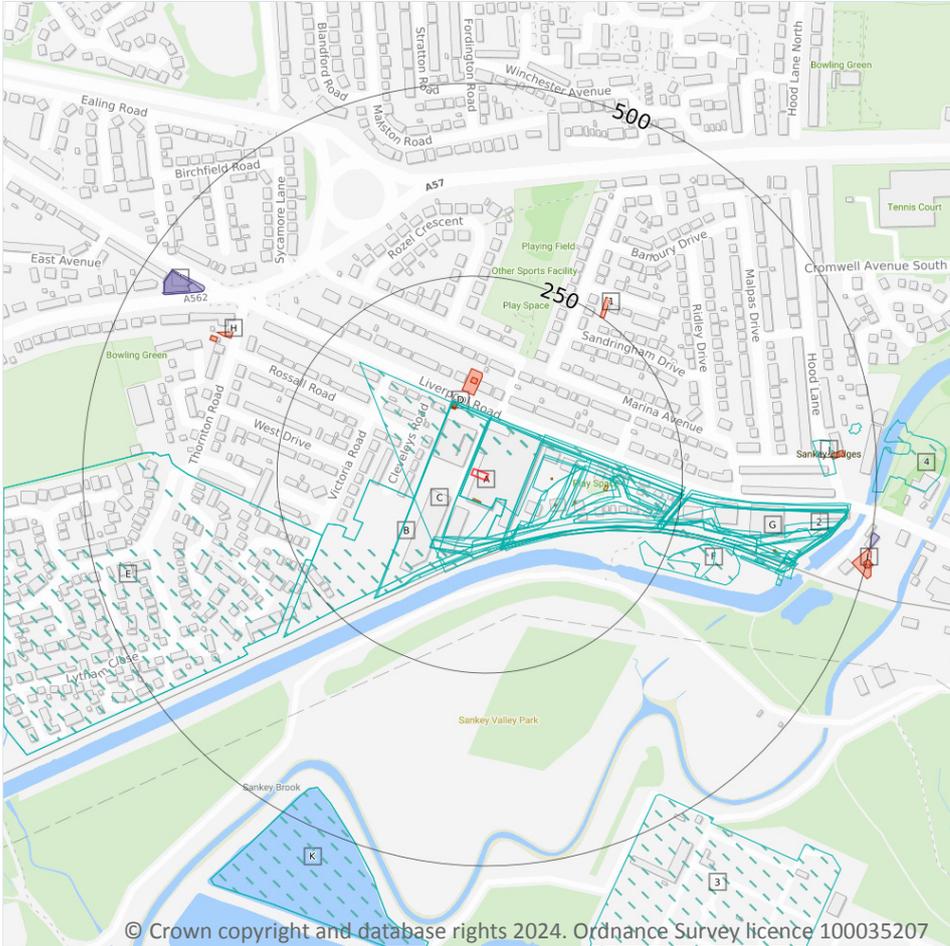


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Site Area: 0.02ha



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 **49**

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 12 >](#)

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Mills	1905	808164



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Works	1970 - 1973	928407
A	On site	Unspecified Works	1987 - 1993	944386
A	On site	Unspecified Works	1938 - 1953	946633
A	On site	Wire Mills	1926 - 1938	953591
B	4m NW	Unspecified Commercial/Industrial	1970 - 1973	888266
B	4m NW	Unspecified Commercial/Industrial	1987 - 1993	933456
C	6m NW	Refrigeration Works	1926	984907
C	7m NW	Refrigeration Works	1926	941461
A	29m SE	Railway Sidings	1938	874121
A	47m SE	Wire Mills	1892 - 1894	913691
A	48m SE	Wire Mills	1926	864764
A	50m SE	Wire Mills	1910	915168
A	60m E	Railway Sidings	1953	943974
A	71m SE	Railway Sidings	1894	948614
A	71m SE	Railway Sidings	1892	969242
A	73m SE	Railway Sidings	1910 - 1926	867758
A	76m SE	Railway Sidings	1905	969951
A	79m SE	Railway Sidings	1926	864833
A	79m SE	Railway Sidings	1926	959893
E	207m W	Unspecified Works	1970 - 1973	876070
E	207m W	Unspecified Works	1987	917282
F	215m SE	Gravel Pit	1973	807803
G	233m E	Unspecified Commercial/Industrial	1892 - 1993	934771
G	234m E	White Lead Works	1938 - 1953	893896
G	235m E	Lead Works	1926	931650
G	235m E	Lead Works	1905	881225
G	235m E	Lead Works	1926	877229
G	237m E	White Lead Works	1910	961894



ID	Location	Land use	Dates present	Group ID
G	242m E	Unspecified Works	1970 - 1973	851461
F	251m E	Railway Sidings	1910	989742
F	255m SE	Refuse Heap	1970	828910
G	313m E	Railway Station	1926	929496
G	313m E	Railway Station	1926	946242
G	343m E	Railway Station	1851	942995
G	361m E	Railway Building	1938 - 1953	960796
G	363m E	Railway Station	1894	884540
G	365m E	Railway Station	1910	901762
2	388m E	Railway Sidings	1910	917381
G	391m E	Railway Station	1892	846011
G	393m E	Railway Station	1938 - 1953	844946
G	397m E	Railway Station	1926	852628
G	397m E	Railway Station	1905	876225
J	420m E	Coal Yard	1851	814356
K	451m SW	Sludge Bed	1970 - 1973	854336
K	451m SW	Sludge Bed	1987 - 1993	979866
3	464m SE	Sewage Works	1987 - 1993	986315
J	468m E	Lime Kiln	1851	842738
4	495m E	Dock Yard	1851	802278

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

8

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original 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 12 >](#)



ID	Location	Land use	Dates present	Group ID
A	28m S	Unspecified Tank	1937	114170
A	81m E	Unspecified Tank	1962	146507
A	81m E	Unspecified Tank	1970	127630
A	81m E	Unspecified Tank	1962	137552
A	94m E	Unspecified Tank	1907	114169
A	116m E	Unspecified Tank	1907	114168
A	150m E	Tanks	1937	106231
G	381m E	Unspecified Tank	1962	114223

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

11

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original 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 12 >](#)

ID	Location	Land use	Dates present	Group ID
D	81m N	Electricity Substation	1990 - 1992	68212
D	82m N	Electricity Substation	1994	64474
D	83m N	Electricity Substation	1971	68581
D	95m N	Electricity Substation	1990 - 1992	82271
D	110m N	Electricity Substation	1971 - 1994	79005
1	250m NE	Electricity Substation	1970 - 1986	69340
H	355m NW	Electricity Substation	1971 - 1992	80255
H	370m NW	Electricity Substation	1994	61658
J	442m E	Electricity Substation	1970 - 1986	71865
L	482m E	Electricity Substation	1970 - 1972	68951



ID	Location	Land use	Dates present	Group ID
L	497m E	Electricity Substation	1986	67356

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

4

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original 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 12 >](#)

ID	Location	Land use	Dates present	Group ID
I	417m NW	Service Station	1961 - 1971	25319
I	418m NW	Service Station	1990 - 1992	25460
I	432m NW	Service Station	1961	21916
L	499m E	Garage	1989	20222

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

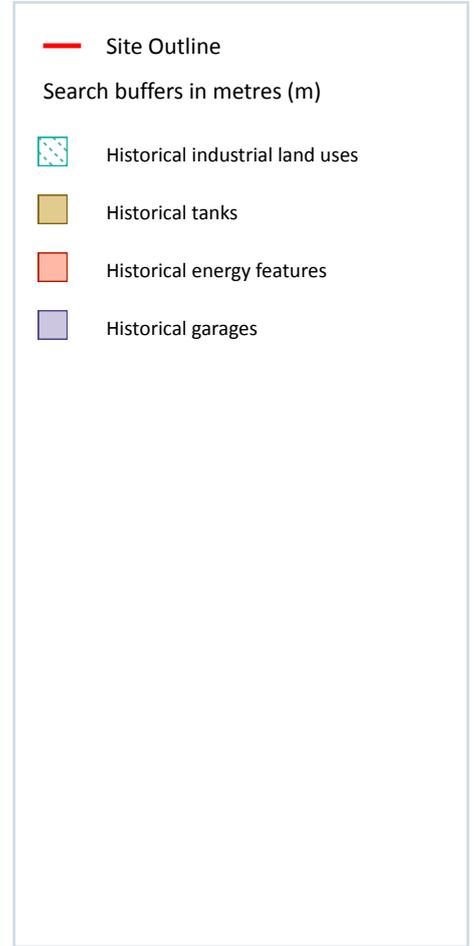
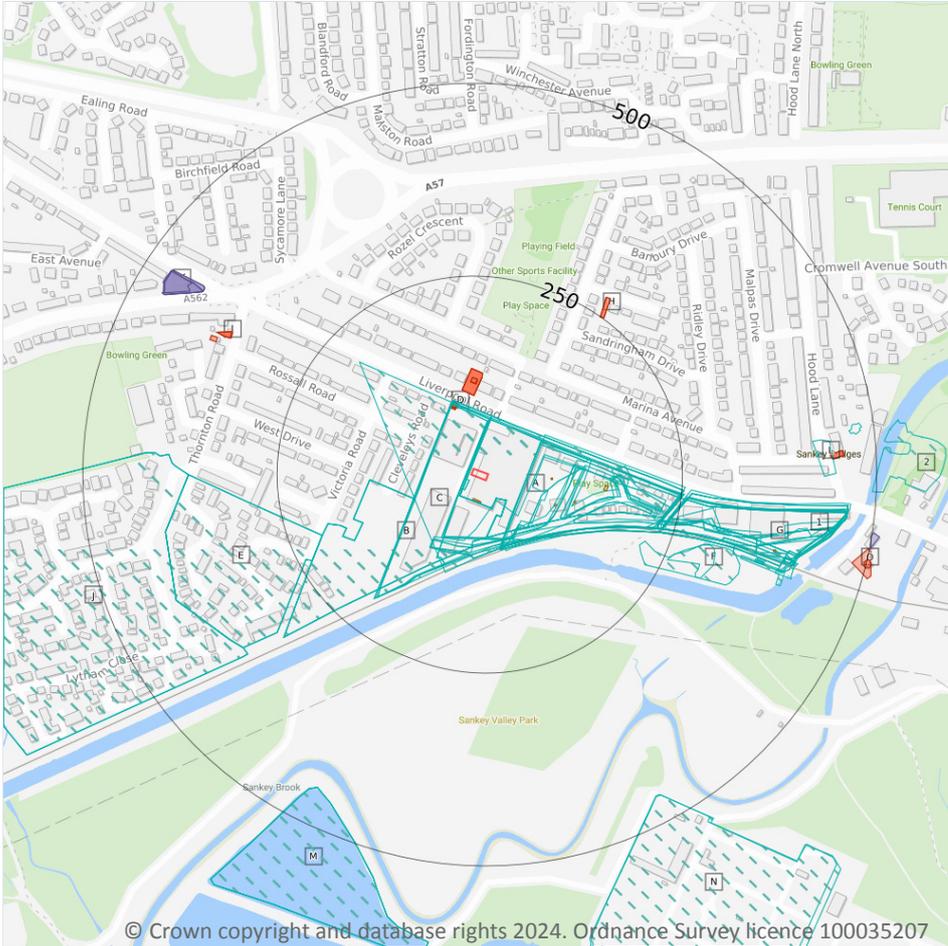
0

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 18](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Wire Mills	1926	953591
A	On site	Unspecified Mills	1905	808164
A	On site	Unspecified Works	1987	944386



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1970	928407
A	On site	Unspecified Works	1973	928407
A	On site	Unspecified Works	1993	944386
A	On site	Unspecified Works	1953	946633
A	On site	Wire Mills	1938	953591
B	4m NW	Unspecified Commercial/Industrial	1987	933456
B	4m NW	Unspecified Commercial/Industrial	1970	888266
B	4m NW	Unspecified Commercial/Industrial	1973	888266
B	4m NW	Unspecified Commercial/Industrial	1993	933456
C	6m NW	Refrigeration Works	1926	984907
C	6m NW	Unspecified Works	1938	946633
C	7m NW	Refrigeration Works	1926	941461
C	7m NW	Refrigeration Works	1926	941461
A	29m SE	Railway Sidings	1938	874121
A	47m SE	Wire Mills	1892	913691
A	47m SE	Wire Mills	1894	913691
A	48m SE	Wire Mills	1926	864764
A	48m SE	Wire Mills	1926	864764
A	50m SE	Wire Mills	1910	915168
A	60m E	Railway Sidings	1953	943974
A	71m SE	Railway Sidings	1892	969242
A	71m SE	Railway Sidings	1894	948614
A	73m SE	Railway Sidings	1910	867758
A	76m SE	Railway Sidings	1905	969951
A	79m S	Railway Sidings	1926	867758
A	79m SE	Railway Sidings	1926	864833
A	79m SE	Railway Sidings	1926	959893
E	207m W	Unspecified Works	1987	917282



ID	Location	Land Use	Date	Group ID
E	207m W	Unspecified Works	1970	876070
E	207m W	Unspecified Works	1973	876070
F	215m SE	Gravel Pit	1973	807803
G	233m E	Unspecified Commercial/Industrial	1892	934771
G	233m E	Unspecified Commercial/Industrial	1894	934771
G	234m E	White Lead Works	1938	893896
G	235m E	Lead Works	1926	931650
G	235m E	Lead Works	1926	931650
G	235m E	Lead Works	1926	877229
G	235m E	Lead Works	1905	881225
G	237m E	White Lead Works	1910	961894
G	237m E	White Lead Works	1953	893896
G	242m E	Unspecified Commercial/Industrial	1987	934771
G	242m E	Unspecified Works	1970	851461
G	242m E	Unspecified Works	1973	851461
G	242m E	Unspecified Commercial/Industrial	1993	934771
F	251m E	Railway Sidings	1910	989742
F	255m SE	Refuse Heap	1970	828910
G	313m E	Railway Station	1926	946242
G	313m E	Railway Station	1926	929496
G	343m E	Railway Station	1851	942995
G	361m E	Railway Building	1938	960796
G	363m E	Railway Station	1894	884540
G	363m E	Railway Building	1953	960796
J	364m W	Unspecified Works	1987	917282
J	364m W	Unspecified Works	1970	876070
J	364m W	Unspecified Works	1973	876070
G	365m E	Railway Station	1910	901762



ID	Location	Land Use	Date	Group ID
1	388m E	Railway Sidings	1910	917381
G	391m E	Railway Station	1892	846011
G	393m E	Railway Station	1938	844946
G	393m E	Railway Station	1953	844946
G	397m E	Railway Station	1926	852628
G	397m E	Railway Station	1905	876225
L	420m E	Coal Yard	1851	814356
M	451m SW	Sludge Bed	1987	979866
M	451m SW	Sludge Bed	1970	854336
M	451m SW	Sludge Bed	1973	854336
M	451m SW	Sludge Bed	1993	979866
N	464m SE	Sewage Works	1993	986315
N	465m SE	Sewage Works	1987	986315
L	468m E	Lime Kiln	1851	842738
2	495m E	Dock Yard	1851	802278

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

8

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. 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 18 >](#)

ID	Location	Land Use	Date	Group ID
A	28m S	Unspecified Tank	1937	114170
A	81m E	Unspecified Tank	1962	146507
A	81m E	Unspecified Tank	1962	137552
A	81m E	Unspecified Tank	1970	127630
A	94m E	Unspecified Tank	1907	114169



ID	Location	Land Use	Date	Group ID
A	116m E	Unspecified Tank	1907	114168
A	150m E	Tanks	1937	106231
G	381m E	Unspecified Tank	1962	114223

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

23

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 18 >](#)

ID	Location	Land Use	Date	Group ID
D	81m N	Electricity Substation	1990	68212
D	81m N	Electricity Substation	1990	68212
D	81m N	Electricity Substation	1992	68212
D	81m N	Electricity Substation	1992	68212
D	82m N	Electricity Substation	1994	64474
D	83m N	Electricity Substation	1971	68581
D	95m N	Electricity Substation	1990	82271
D	95m N	Electricity Substation	1990	82271
D	95m N	Electricity Substation	1992	82271
D	95m N	Electricity Substation	1992	82271
D	110m N	Electricity Substation	1971	79005
D	111m N	Electricity Substation	1994	79005
H	250m NE	Electricity Substation	1986	69340
H	250m NE	Electricity Substation	1970	69340
I	355m NW	Electricity Substation	1971	80255
I	356m NW	Electricity Substation	1990	80255
I	356m NW	Electricity Substation	1992	80255



ID	Location	Land Use	Date	Group ID
I	356m NW	Electricity Substation	1992	80255
I	370m NW	Electricity Substation	1994	61658
L	442m E	Electricity Substation	1970	71865
L	442m E	Electricity Substation	1986	71865
O	482m E	Electricity Substation	1970	68951
O	497m E	Electricity Substation	1986	67356

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

7

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'.

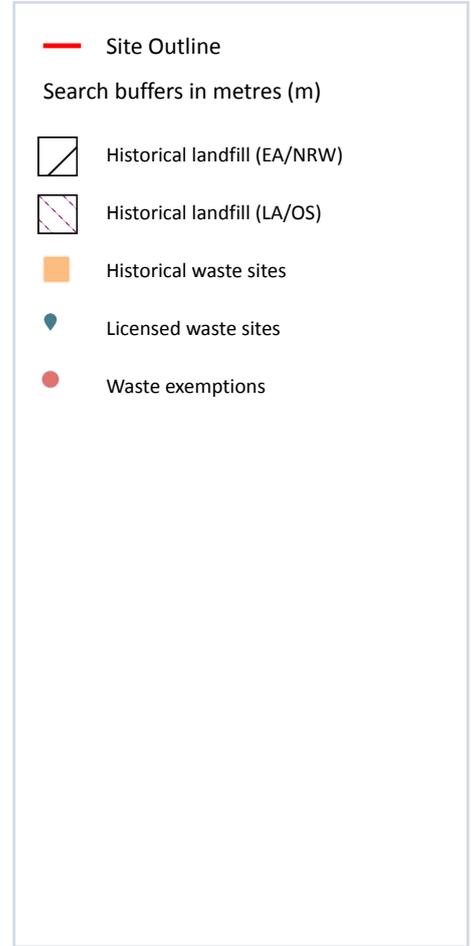
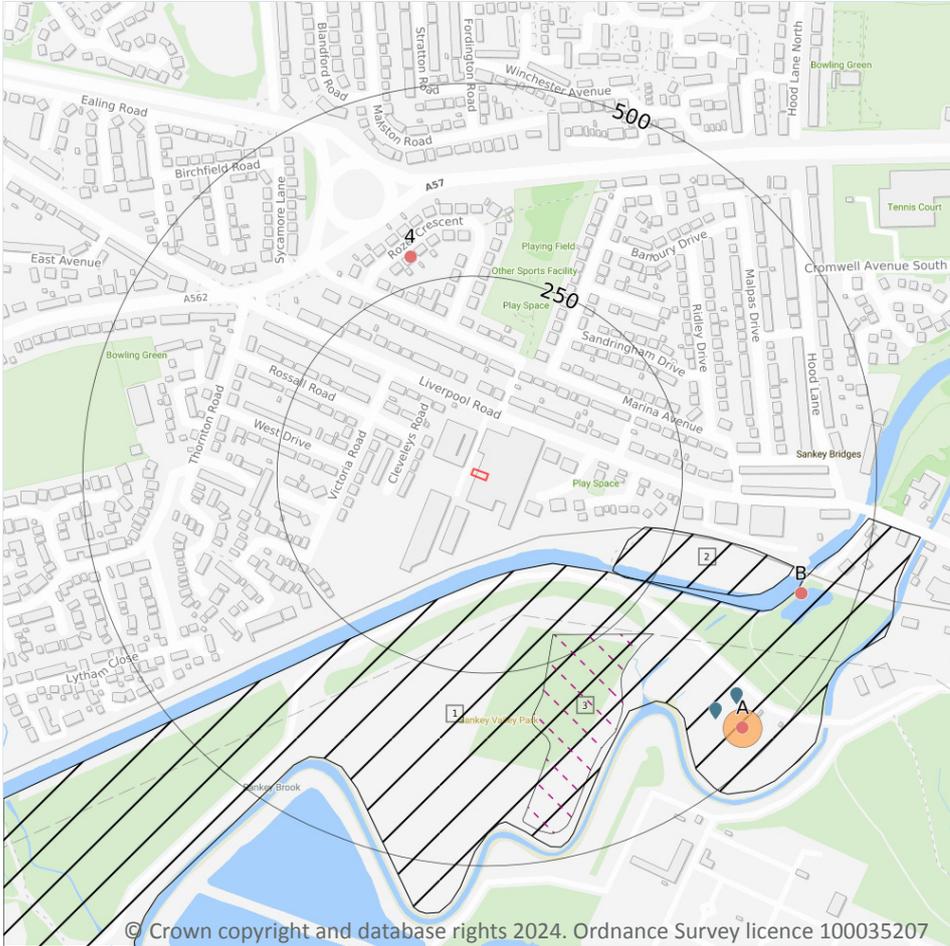
Features are displayed on the Past land use - un-grouped map on [page 18 >](#)

ID	Location	Land Use	Date	Group ID
K	417m NW	Service Station	1971	25319
K	417m NW	Service Station	1961	25319
K	418m NW	Service Station	1990	25460
K	418m NW	Service Station	1992	25460
K	418m NW	Service Station	1992	25460
K	432m NW	Service Station	1961	21916
O	499m E	Garage	1989	20222

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

1

Landfill sites identified from Local Authority records and high detail historical mapping. Features are displayed on the Waste and landfill map on [page 24 >](#)

ID	Location	Site address	Source	Data type
3	218m SE	Refuse Tip	1974 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

2

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 24 >](#)

ID	Location	Details		
1	122m S	Site Address: Gatewarth Farm, Old Liverpool Road, Sankey Bridges, Warrington, Cheshire Licence Holder Address: Backford Hall, Near Chester	Waste Licence: Yes Site Reference: 60500 Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/11/1974 Licence Surrender: -	Operator: Waste Disposal Authority Licence Holder: Waste Disposal Authority First Recorded 31/12/1968 Last Recorded: 31/01/1989
2	198m SE	Site Address: Liverpool Street / Road, Warrington, Cheshire Licence Holder Address: Mersey Leadwork	Waste Licence: Yes Site Reference: 60309 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 26/07/1976 Licence Surrender: 22/11/1977	Operator: - Licence Holder: Associated Lead Manufacturers Limited First Recorded 31/12/1976 Last Recorded: 14/06/1977

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



3.5 Historical waste sites

Records within 500m

1

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 24 >](#)

ID	Location	Address	Further Details	Date
A	435m SE	Site Address: Gatewarth Recycling And Househ, Gatewarth Street, Warrington, Cheshire, WA5 1DS	Type of Site: Recycling Centre (Extension/Alterations) Planning application reference: 2018/32669 Description: Scheme comprises full planning new entrance being created for the commercial aspect, new carriageway and footway surfacing will be undertaken with a new portable cabin office for the operators of the site to utilise, new fencing, gates, cctv/anpr cameras weighbridges and weee (waste electrical and electronic equipment) shed Data source: Historic Planning Application Data Type: Point	07/06/2018

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

3.6 Licensed waste sites

Records within 500m

5

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 24 >](#)

ID	Location	Details		
A	420m SE	Site Name: Gatewarth Civic Amenity Site Site Address: Gatewarth Farm, Sankey Bridges, Warrington, Cheshire, WA5 1QQ Correspondence Address: Port Of Liverpool Building, 2nd Floor, Pier Head, Liverpool, L3 1BY	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MWH010 EPR reference: - Operator: Mersey Waste Holdings Ltd Waste Management licence No: 53813 Annual Tonnage: 0	Issue Date: 01/02/1993 Effective Date: 29/09/2000 Modified: 28/09/2000 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
A	420m SE	Site Name: Gatewarth Recycling And Household Waste Centre Site Address: Land/premises At, Barnard Street, Warrington, Cheshire, WA5 1DD Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ECW002 EPR reference: EA/EPR/EP3296CC/T004 Operator: Environmental Waste Controls Ltd Waste Management licence No: 53813 Annual Tonnage: 24999	Issue Date: 01/02/1993 Effective Date: 01/02/2008 Modified: 28/09/2000 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	420m SE	Site Name: Gatewarth Household Waste Site Site Address: Gatewarth Ind Est, Barnard Street, Warrington, Cheshire, WA5 1DD Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ECW002 EPR reference: EA/EPR/EP3296CC/V006 Operator: Environmental Waste Controls P L C Waste Management licence No: 53813 Annual Tonnage: 24999	Issue Date: 01/02/1993 Effective Date: 01/02/2008 Modified: 11/12/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
A	426m SE	Site Name: Gatewarth Household Waste Site Site Address: Gatewarth Ind Est, Barnard Street, Warrington, Cheshire, WA5 1DD Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ECW002 EPR reference: EA/EPR/EP3296CC/V006 Operator: Environmental Waste Controls Plc Waste Management licence No: 53813 Annual Tonnage: 24999	Issue Date: 01/02/1993 Effective Date: 01/02/2008 Modified: 11/12/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
A	426m SE	Site Name: Gatewarth Community Recycling Centre Site Address: Gatewarth Industrial Estate, Barnard Street, Great Sankey, Warrington, Cheshire, WA5 1DD Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 653970 EPR reference: EA/EPR/EP3296CC Operator: Environmental Waste Controls Limited Waste Management licence No: 53813 Annual Tonnage: 24999	Issue Date: 01/02/1993 Effective Date: 01/02/1993 Modified: 01/02/1993 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m

5

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.

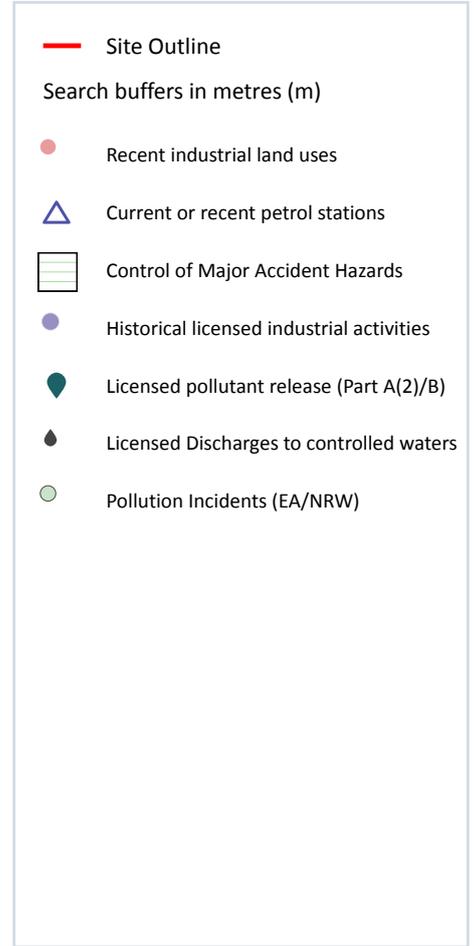
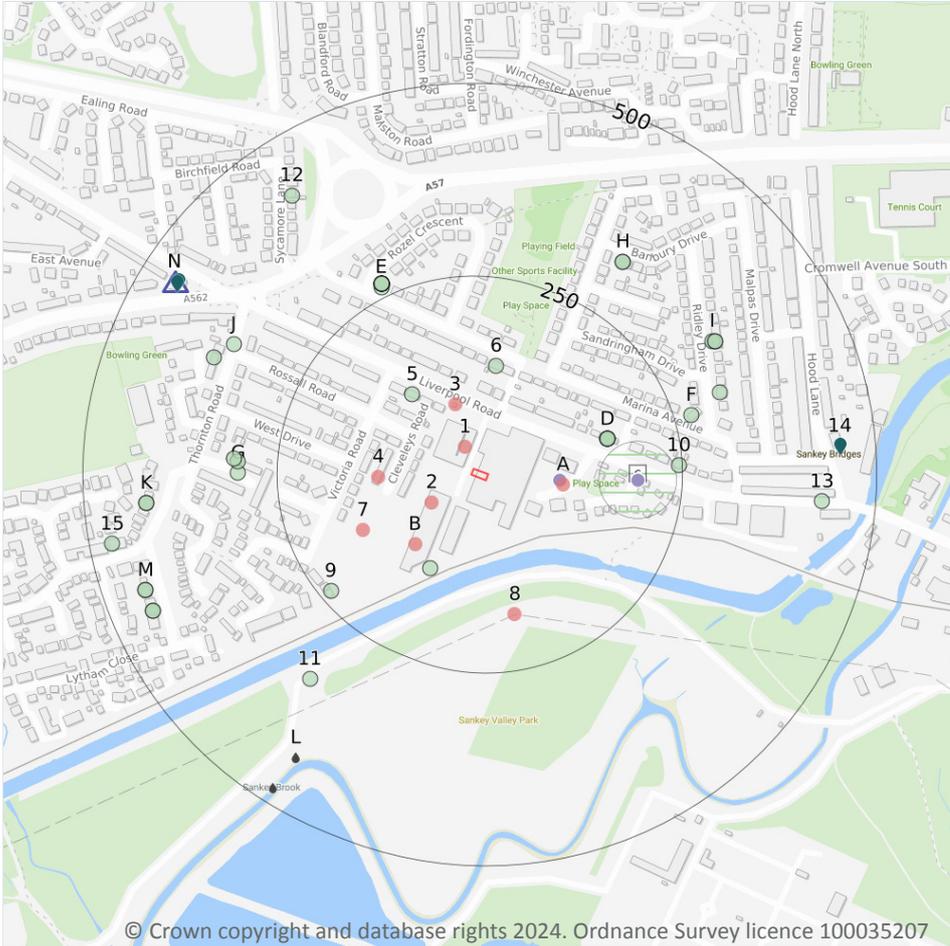
Features are displayed on the Waste and landfill map on [page 24 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
4	287m N	32 Rozel Crescent WARRINGTON WA5 1JJ	EPR/NE5086C D/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
B	431m E	Unit 10 Gatewarth Industrial Estate WARRINGTON WA5 1DD	EPR/CE5882W Z/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
B	431m E	Unit 10 Gatewarth Industrial Estate WARRINGTON WA5 1DD	EPR/CE5882W Z/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
B	431m E	Unit 10 Gatewarth Industrial Estate WARRINGTON WA5 1DD	EPR/CE5882W Z/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
A	460m SE	GATEHOUSE R H W C, GATEWARTH INDUSTRIAL ESTATE, BARNARD STREET, WARRINGTON, WA5 1DD	WEX016201	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters

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

8

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 29 >](#)

ID	Location	Company	Address	Activity	Category
1	31m NW	Doyles Beds	Unit 3c Penketh Business Park, Liverpool Road, Great Sankey, Warrington, Cheshire, WA5 1QX	Beds and Bedding	Consumer Products
2	62m SW	Industrial Contract Supplies	Unit 15 Penketh Business Park, Cleveleys Road, Great Sankey, Warrington, Cheshire, WA5 2TJ	Distribution and Haulage	Transport, Storage and Delivery

ID	Location	Company	Address	Activity	Category
3	87m N	Electricity Sub Station	Cheshire, WA5	Electrical Features	Infrastructure and Facilities
A	97m E	Electricity Sub Station	Cheshire, WA5	Electrical Features	Infrastructure and Facilities
B	116m SW	M C C Fabrications Ltd	Unit 13 Penketh Business Park, Cleveleys Road, Great Sankey, Warrington, Cheshire, WA5 2TJ	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
4	120m W	5 Star Travel	17, Cleveleys Road, Great Sankey, Warrington, Cheshire, WA5 2SR	Airlines and Airline Services	Transport, Storage and Delivery
7	157m SW	Penketh Business Park	Cheshire, WA5	Business Parks and Industrial Estates	Industrial Features
8	177m S	Pylon	Cheshire, WA5	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 29 >](#)

ID	Location	Company	Address	LPG	Status
N	455m NW	TEXACO	Liverpool Road, Great Sankey, Warrington, Warrington, WA5 1QY	No	Open

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

1

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 29 >](#)

ID	Location	Company	Address	Operational status	Tier
C	142m E	United Phosphorous Ltd	United Phosphorous Ltd, 18 Liverpool Rd, Sankey Bridges, Warrington, WA5 1QR	Historical NIHHS Site	-

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

9

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.

Features are displayed on the Current industrial land use map on [page 29 >](#)

ID	Location	Details	
A	92m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, Cheshire, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AK7400	Original Permit Number: IPCAIRAPP Date Approved: 22-3-1994 Effective Date: 28-3-1994 Status: Superseded By Variation
A	92m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, Cheshire, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AT9513	Original Permit Number: IPCMINVAR Date Approved: 15-11-1995 Effective Date: 16-11-1995 Status: Revoked
C	192m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AL4899	Original Permit Number: IPCAIRAPP Date Approved: 30-3-1994 Effective Date: 8-4-1994 Status: Superseded By Variation
C	192m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AL4902	Original Permit Number: IPCAIRAPP Date Approved: 30-3-1994 Effective Date: 8-4-1994 Status: Superseded By Variation
C	192m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AR1612	Original Permit Number: IPCMINVAR Date Approved: 21-4-1995 Effective Date: 22-4-1995 Status: Superseded By Variation



ID	Location	Details	
C	192m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AS9488	Original Permit Number: IPCMINVAR Date Approved: 23-8-1995 Effective Date: 23-8-1995 Status: Superseded By Variation
C	192m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AT7120	Original Permit Number: IPCMINVAR Date Approved: 31-10-1995 Effective Date: 1-11-1995 Status: Superseded By Variation
C	192m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AU9454	Original Permit Number: IPCMINVAR Date Approved: 14-2-1996 Effective Date: 14-2-1996 Status: Revoked
C	192m E	Operator: United Phosphorus Ltd Address: 18 Liverpool Road, Great Sankey, Warrington, WA5 1QR Process: Manufacture And Use Of Organic Chemicals Permit Number: AV5039	Original Permit Number: IPCMINVAR Date Approved: 26-4-1996 Effective Date: 1-5-1996 Status: Revoked

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

3

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

Features are displayed on the Current industrial land use map on [page 29 >](#)



ID	Location	Address	Details	
N	450m NW	Murco Petroleum (Ex Save) Service Station, Liverpool Road, Penketh, WA5 1QY	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
N	451m NW	Save Penketh Liverpool Rd, Great Sankey, Warrington, WA5 2TJ	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
14	453m E	Sankey Bridge Autos, Liverpool Rd, Warrington, Cheshire, WA5 1LE	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

4

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 29 >](#)

ID	Location	Address	Details	
L	430m SW	THORNTON ROAD DEPOT CSO 482U7, 81 LYTHAM CLOSE, GREAT SANKEY, WARRINGTON, CHESHIRE, WA5 2GH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01WAR0013 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
L	430m SW	THORNTON ROAD DEPOT CSO 482U7, 81 LYTHAM CLOSE, GREAT SANKEY, WARRINGTON, CHESHIRE, WA5 2GH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01WAR0013 Permit Version: 2 Receiving Water: SANKEY BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 31/03/2018



ID	Location	Address	Details	
L	431m SW	THORNTON ROAD DEPOT CSO 482U7, 81 LYTHAM CLOSE, GREAT SANKEY, WARRINGTON, CHESHIRE, WA5 2GH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01WAR0013 Permit Version: 3 Receiving Water: SANKEY BROOK	Status: VARIED UNDER EPR 2010 Issue date: 21/03/2018 Effective Date: 01/04/2018 Revocation Date: -
L	480m SW	WHITTLE BROOK PS, 95M WEST OF 17 LYTHAM CLOSE, GREAT SANKEY, WARRINGTON, CHESHIRE, WA5 2GH	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: 01WAR0048 Permit Version: 1 Receiving Water: WHITTLE BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 17/03/2011

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

41

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 29 >](#)

ID	Location	Details	
5	124m NW	Incident Date: 15/03/2001 Incident Identification: 406 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	132m SW	Incident Date: 13/09/2001 Incident Identification: 30677 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6	136m N	Incident Date: 02/07/2001 Incident Identification: 12866 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	160m E	Incident Date: 12/03/2001 Incident Identification: 231 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	160m E	Incident Date: 12/03/2001 Incident Identification: 246 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	160m E	Incident Date: 16/05/2001 Incident Identification: 5756 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
D	160m E	Incident Date: 28/04/2001 Incident Identification: 3745 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	160m E	Incident Date: 15/03/2001 Incident Identification: 388 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
9	235m SW	Incident Date: 10/07/2001 Incident Identification: 15343 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
10	245m E	Incident Date: 28/05/2001 Incident Identification: 6857 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	264m NW	Incident Date: 05/08/2001 Incident Identification: 21991 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	267m NW	Incident Date: 23/05/2001 Incident Identification: 6509 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	267m NW	Incident Date: 14/08/2001 Incident Identification: 24218 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	267m NW	Incident Date: 02/07/2001 Incident Identification: 12645 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	267m NW	Incident Date: 26/05/2001 Incident Identification: 6742 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	267m NW	Incident Date: 22/07/2001 Incident Identification: 18144 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
E	267m NW	Incident Date: 14/06/2001 Incident Identification: 9251 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	267m NW	Incident Date: 22/06/2001 Incident Identification: 10880 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	267m NW	Incident Date: 08/05/2001 Incident Identification: 4723 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
F	272m E	Incident Date: 02/07/2001 Incident Identification: 12657 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	300m W	Incident Date: 10/03/2001 Incident Identification: 166 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	301m W	Incident Date: 30/03/2001 Incident Identification: 1249 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	305m W	Incident Date: 22/10/2002 Incident Identification: 116040 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
F	316m E	Incident Date: 30/03/2001 Incident Identification: 1248 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	325m NE	Incident Date: 15/03/2001 Incident Identification: 391 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	325m NE	Incident Date: 31/03/2001 Incident Identification: 1263 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
I	336m NE	Incident Date: 04/10/2001 Incident Identification: 34729 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
11	336m SW	Incident Date: 02/07/2001 Incident Identification: 12897 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
I	338m NE	Incident Date: 14/10/2001 Incident Identification: 36551 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
I	338m NE	Incident Date: 19/08/2001 Incident Identification: 25222 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	348m NW	Incident Date: 15/03/2001 Incident Identification: 382 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	364m NW	Incident Date: 19/03/2001 Incident Identification: 556 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
K	419m W	Incident Date: 11/05/2001 Incident Identification: 5241 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
K	419m W	Incident Date: 11/05/2001 Incident Identification: 5241 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
12	424m NW	Incident Date: 27/03/2001 Incident Identification: 1056 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
13	430m E	Incident Date: 05/07/2001 Incident Identification: 13978 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
M	445m W	Incident Date: 24/05/2001 Incident Identification: 6613 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
M	445m W	Incident Date: 24/05/2001 Incident Identification: 6613 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
M	446m SW	Incident Date: 08/03/2001 Incident Identification: 130 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
M	446m SW	Incident Date: 02/05/2001 Incident Identification: 4193 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
15	470m W	Incident Date: 03/07/2001 Incident Identification: 13222 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

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 Geology (basic)

5.1 Superficial geology (625k)

Records within 500m

1

Generalised geology data based on BGS's published poster maps of the UK (North and South). Superficial related themes digitised from 1977 first edition Quaternary map (North and South).

Location	Lex code	Description	Rock type
On site	BSA-SAND	BLOWN SAND	SAND

This data is sourced from the British Geological Survey.

5.2 Bedrock geology (625k)

Records within 500m

1

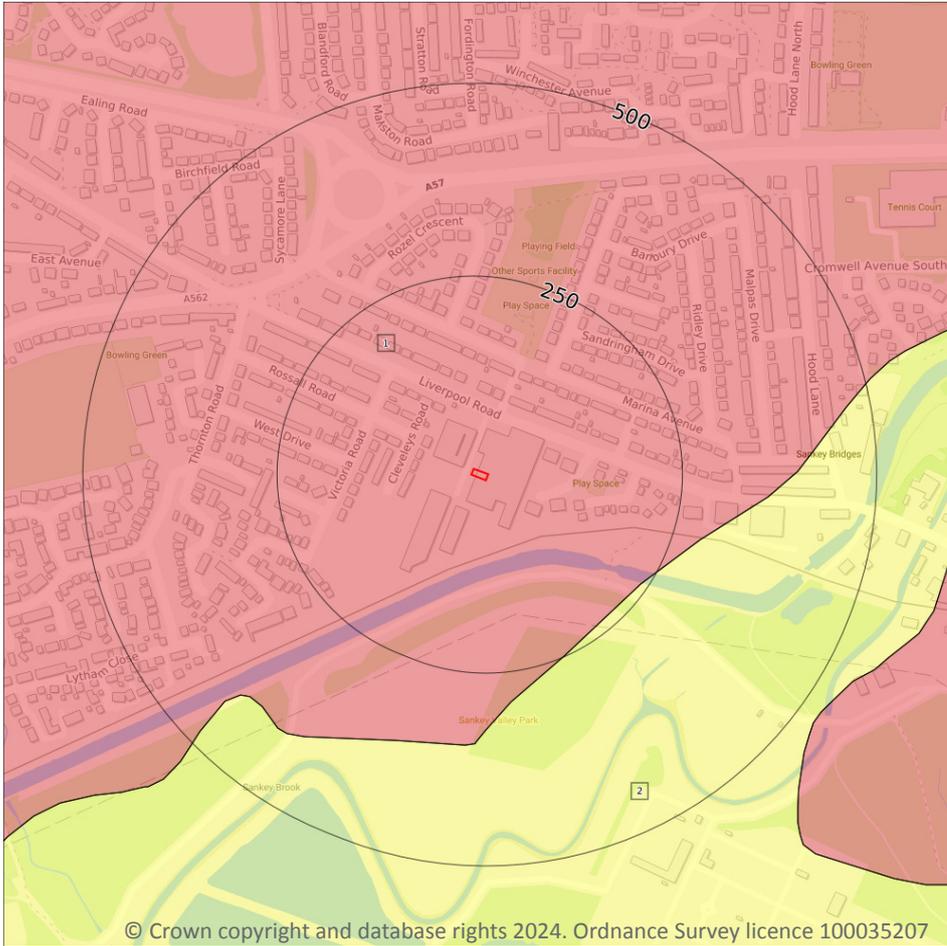
Generalised geology data based on BGS's published poster maps of the UK (North and South). Bedrock related themes created through generalisation of 1:50,000 data.

Location	Lex code	Description	Rock type
On site	TRIA-SCON	TRIASSIC ROCKS (UNDIFFERENTIATED)	SANDSTONE AND CONGLOMERATE, INTERBEDDED

This data is sourced from the British Geological Survey.



6 Hydrogeology - Superficial aquifer



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

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6.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 43](#) >

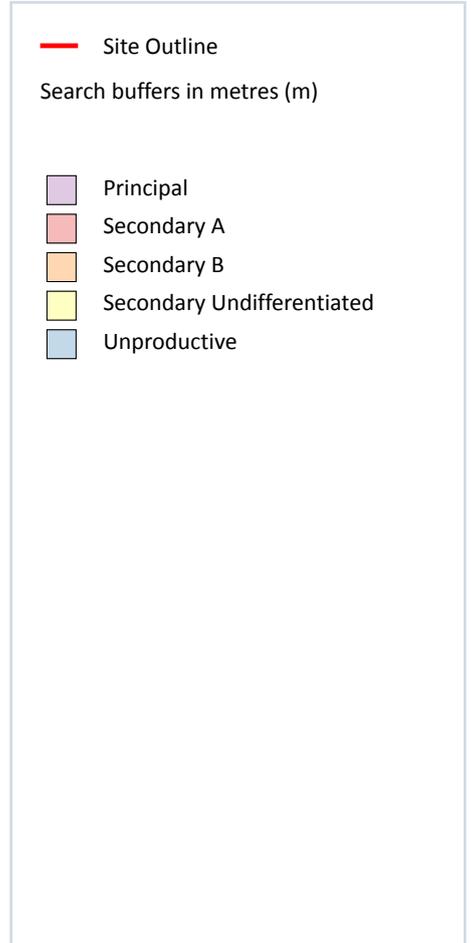
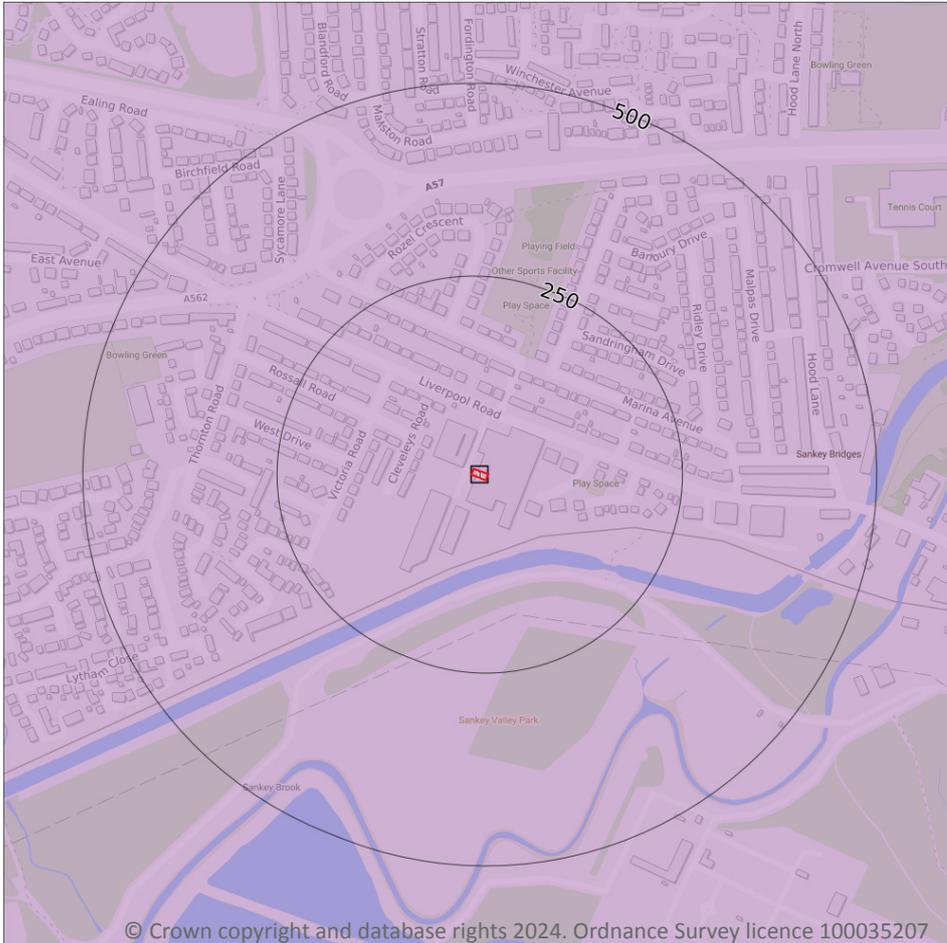
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	235m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type



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



Bedrock aquifer



6.2 Bedrock aquifer

Records within 500m

1

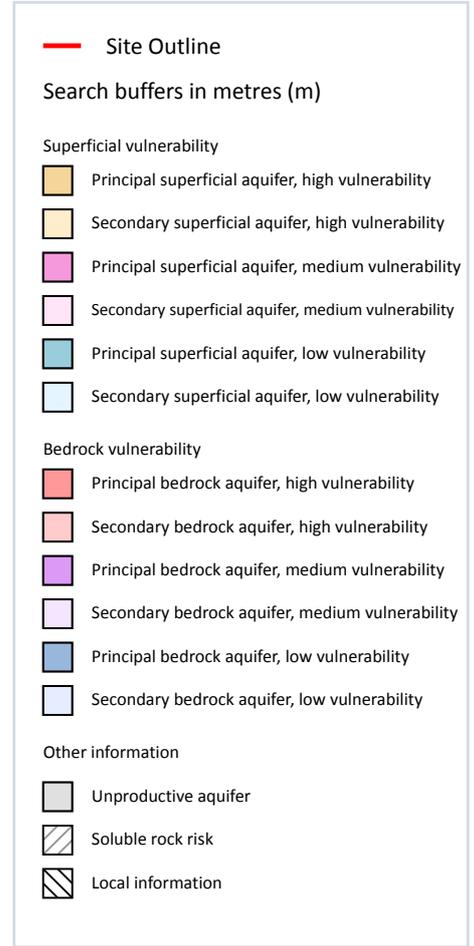
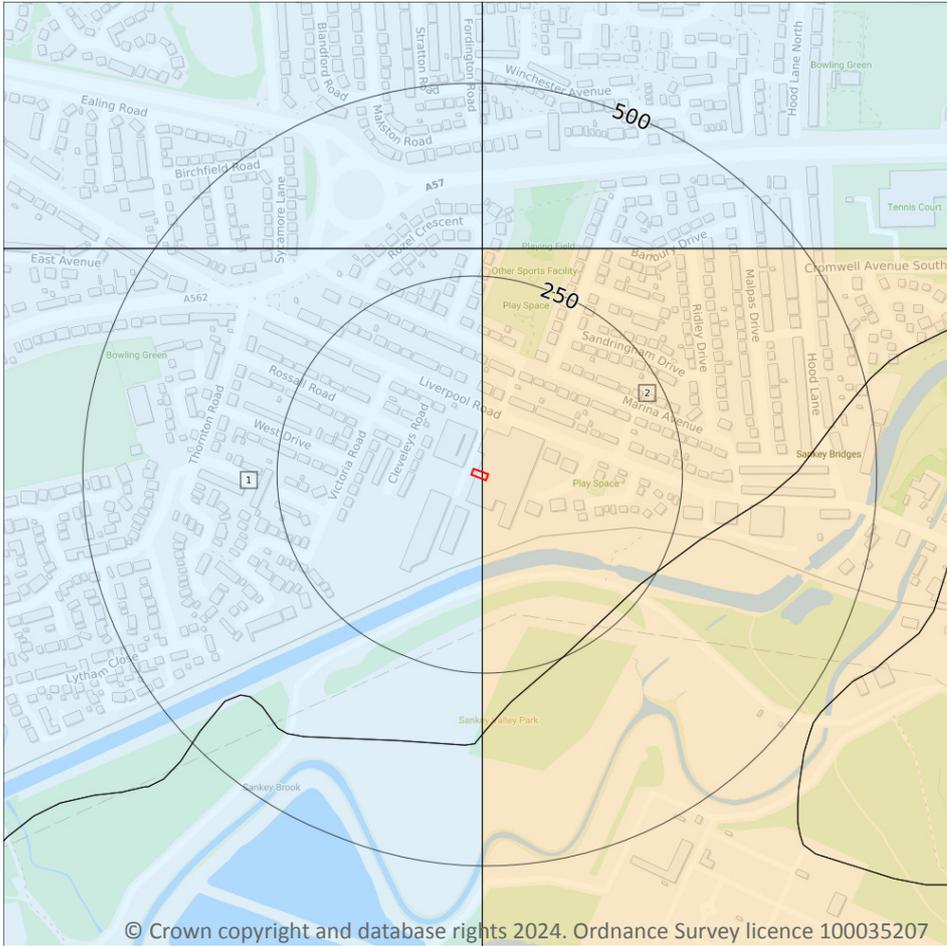
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 45](#) >

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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

Groundwater vulnerability



6.3 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 46 >](#)



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: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Principal Flow mechanism: Intergranular

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

6.4 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.

6.5 Groundwater vulnerability- local information

Records on site

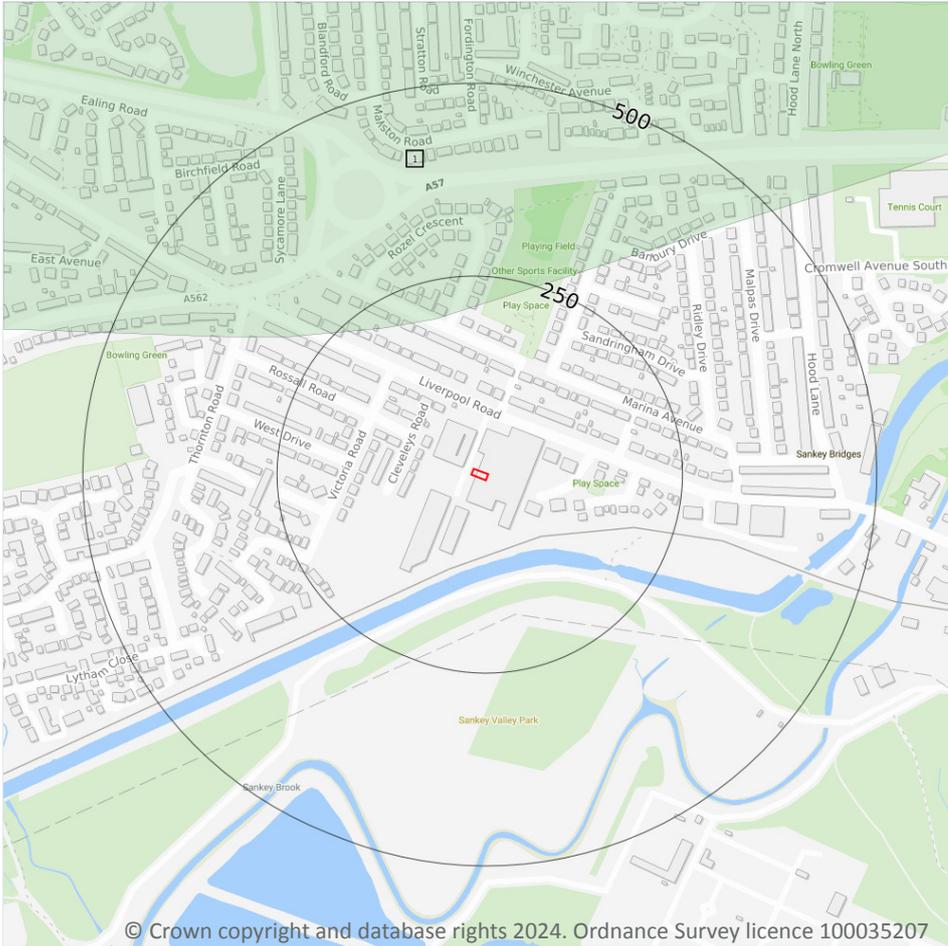
0

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



6.6 Groundwater abstractions

Records within 2000m

4

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 48 >](#)

ID	Location	Details	
-	979m SE	Status: Active Licence No: 2569024027 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE GATEWARTH INDUSTRIAL ESTATE WARRINGTON Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LIMITED Easting: 358870 Northing: 387240	Annual Volume (m ³): 24500 Max Daily Volume (m ³): 110 Original Application No: NPS WR/011609 Original Start Date: 10/10/1996 Expiry Date: - Issue No: 102 Version Start Date: 13/08/2012 Version End Date: -
-	979m SE	Status: Historical Licence No: 2569024027 Details: Process water Direct Source: Ground Water - North West Region Point: "B/HOLE AT GATEWARTH IND. ESTATE, SANKEY BRIDGES, WARRINGTON" Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 358870 Northing: 387240	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/10/1996 Expiry Date: - Issue No: 101 Version Start Date: 01/07/2000 Version End Date: -
-	979m SE	Status: Historical Licence No: 2569024027 Details: Process water Direct Source: Ground Water - North West Region Point: B/HOLE AT GATEWARTH IND. ESTATE, SANKEY BRIDGES, WARRINGTON Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 358870 Northing: 387240	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/10/1996 Expiry Date: - Issue No: 101 Version Start Date: 01/07/2000 Version End Date: -
-	1745m SE	Status: Active Licence No: NW/069/0024/007 Details: Dewatering Direct Source: Ground Water - North West Region Point: ARPLEY LANDFILL SITE Data Type: Point Name: 3C WASTE LIMITED Easting: 359312 Northing: 386543	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/NA/001476 Original Start Date: 22/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 22/03/2022 Version End Date: -

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



6.7 Surface water abstractions

Records within 2000m

0

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.

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

6.8 Potable abstractions

Records within 2000m

0

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

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

6.9 Source Protection Zones

Records within 500m

1

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on [page 48 >](#)

ID	Location	Type	Description
1	200m N	3	Total catchment

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

6.10 Source Protection Zones (confined aquifer)

Records within 500m

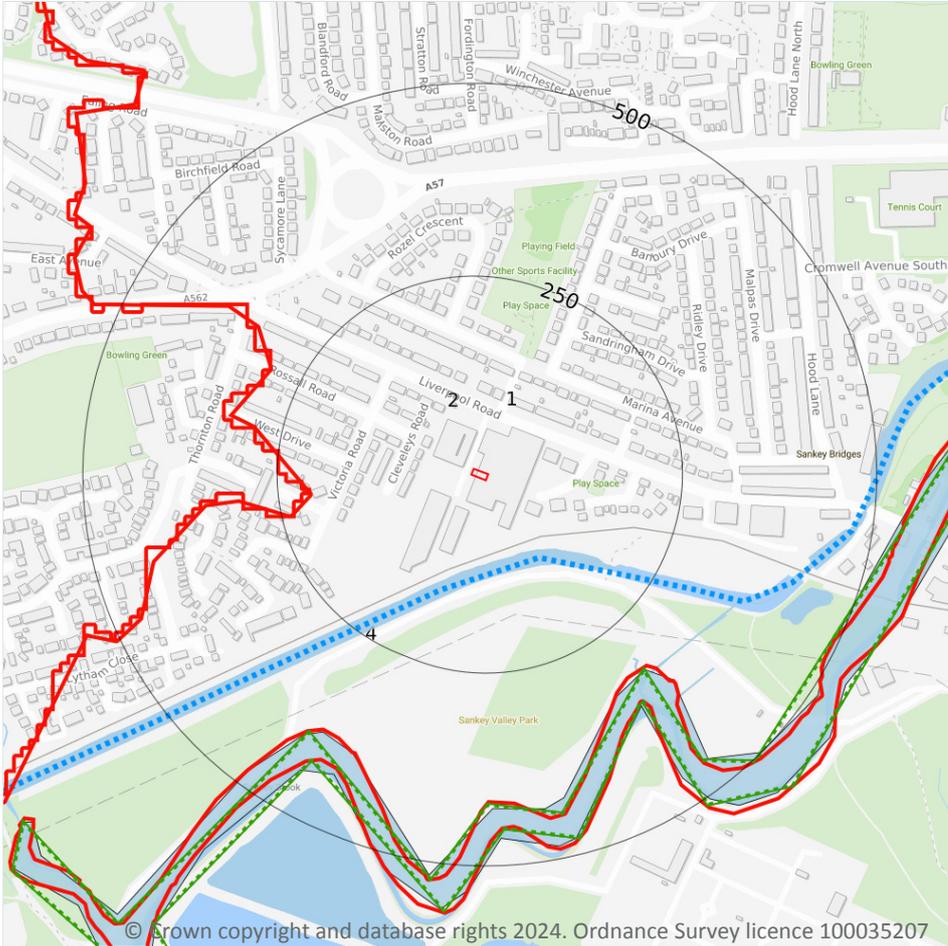
0

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.



7 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

7.1 Water Network (OS MasterMap)

Records within 250m

1

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 51 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
4	113m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sankey Canal

This data is sourced from the Ordnance Survey.



7.2 Surface water features

Records within 250m

1

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 51 >](#)

This data is sourced from the Ordnance Survey.

7.3 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 51 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	Coastal Catchment	Not part of a river WB catchment	170	Sankey	Lower Mersey

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

7.4 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 51 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
5	117m S	Canal	Sankey Canal	GB71210055 ↗	Moderate	Fail	Moderate	2019



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

7.5 WFD Groundwater bodies

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

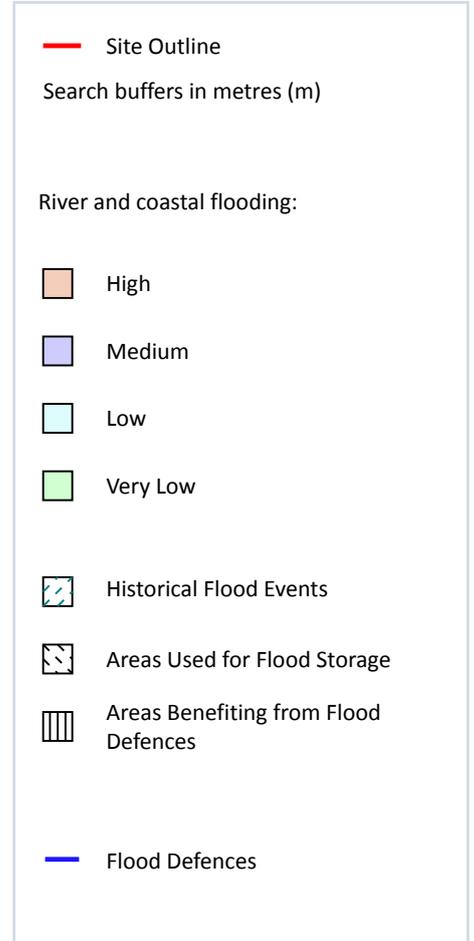
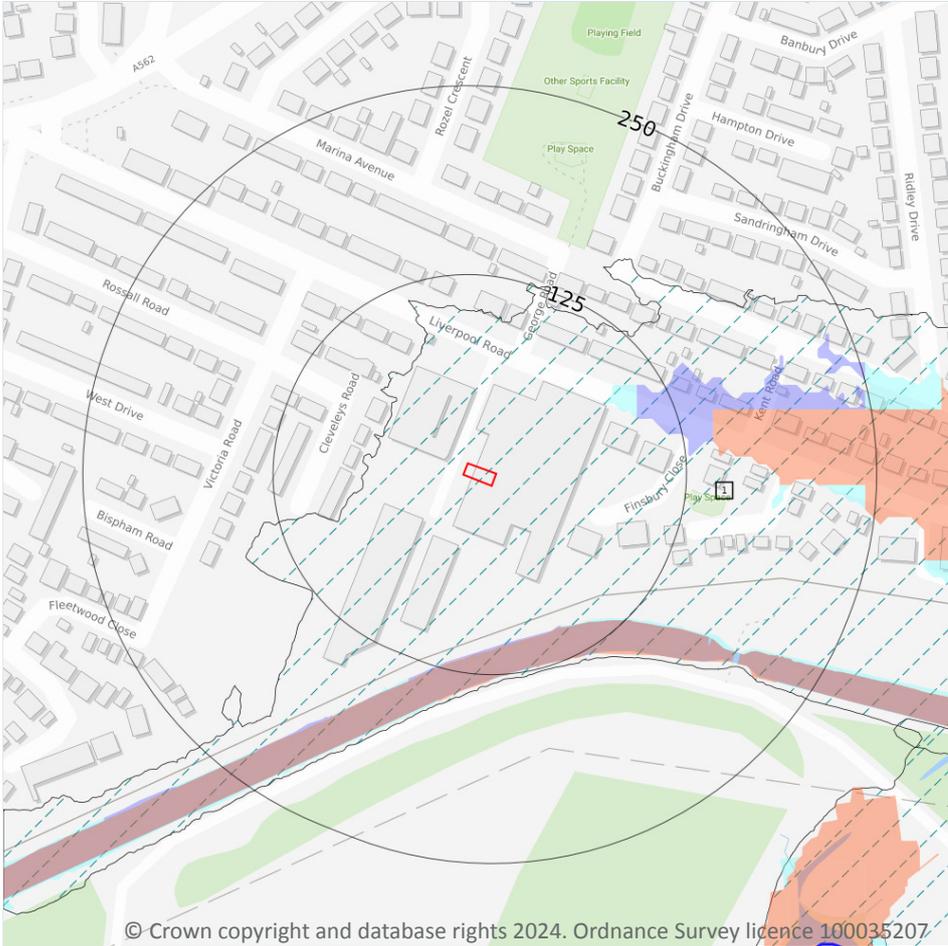
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 51 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Lower Mersey Basin and North Merseyside Permo-Triassic Sandstone Aquifers	GB41201G101700 ↗	Poor	Poor	Poor	2019

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

8 River and coastal flooding



8.1 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.

8.2 Historical Flood Events

Records within 250m

1

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 54 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	On site	Warrington	2021-01-20 2021-01-20	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

8.3 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.

8.4 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.

8.5 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

8.6 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.

8.7 Flood Zone 3

Records within 50m

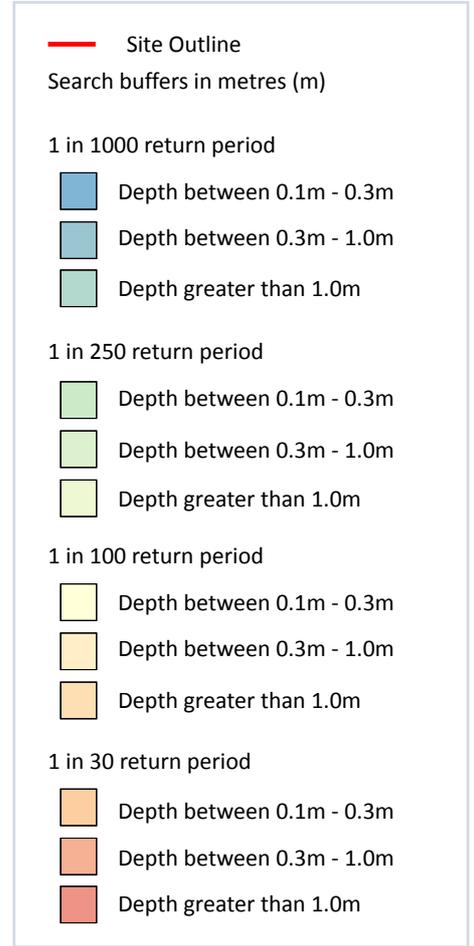
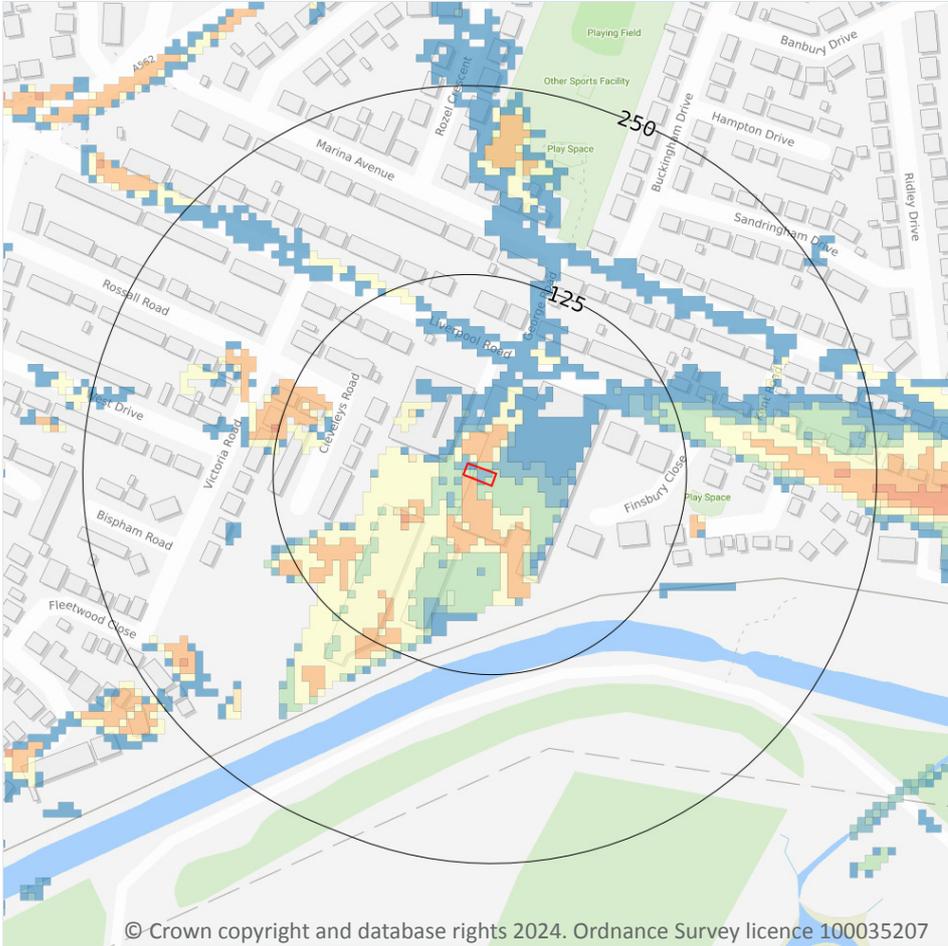
0

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.



9 Surface water flooding



9.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 57 >](#)

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

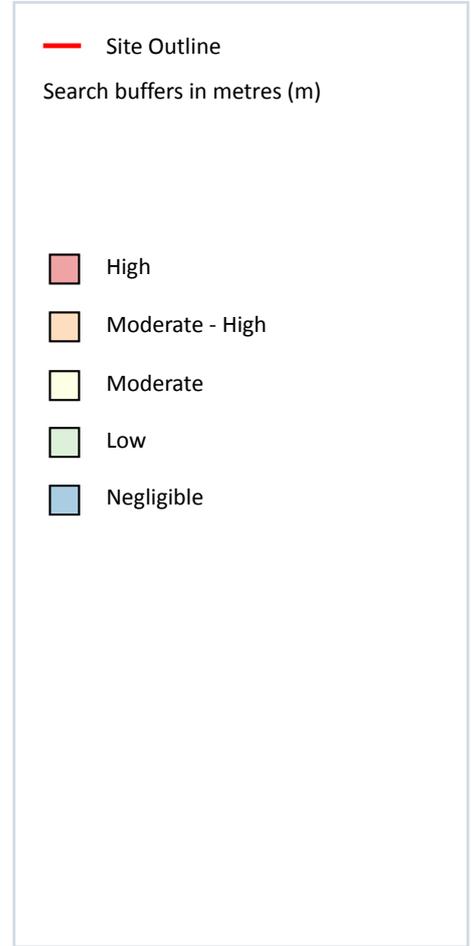
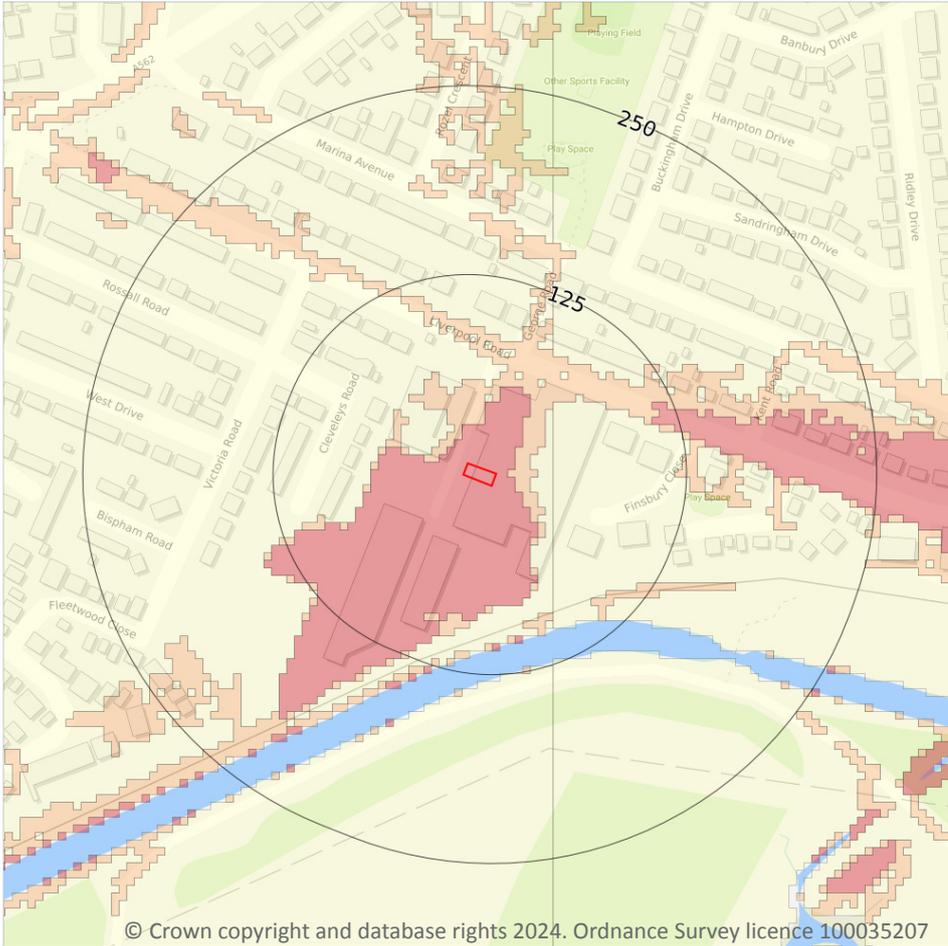
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.



10 Groundwater flooding



10.1 Groundwater flooding

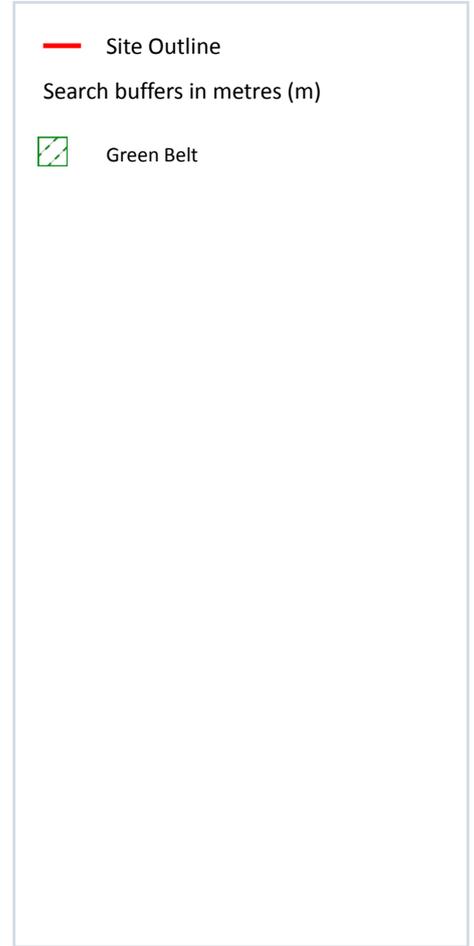
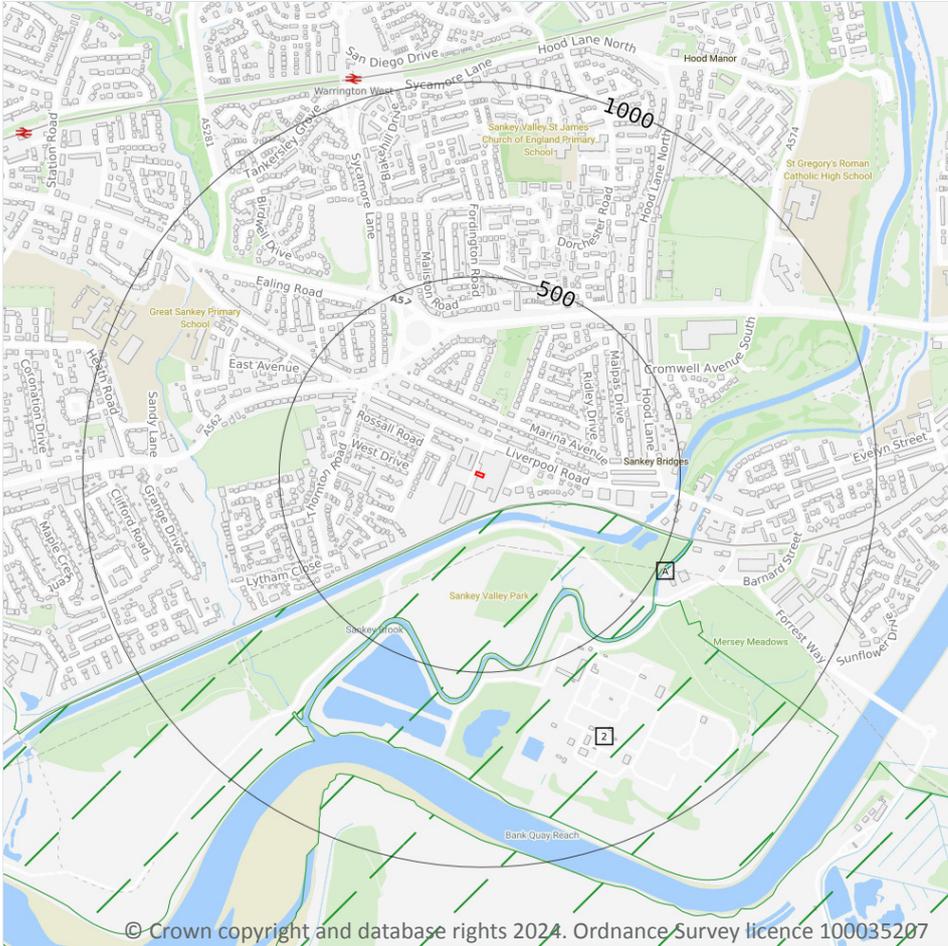
Highest risk on site	High
Highest risk within 50m	High

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 59 >](#)

This data is sourced from Ambiantal Risk Analytics.

11 Environmental designations



11.1 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.

11.2 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.

11.3 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.

11.4 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.

11.5 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.



11.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

11.7 Designated Ancient Woodland

Records within 2000m

0

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

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

11.8 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.

11.9 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.



11.10 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.

11.11 Green Belt

Records within 2000m

5

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

Features are displayed on the Environmental designations map on [page 60 >](#)

ID	Location	Name	Local Authority name
1	95m S	Merseyside and Greater Manchester	Warrington
2	370m SE	Merseyside and Greater Manchester	Warrington
A	520m SE	Merseyside and Greater Manchester	Warrington
A	538m SE	Merseyside and Greater Manchester	Warrington
3	832m S	Merseyside and Greater Manchester	Warrington

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

11.12 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.

11.13 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.

11.14 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.

11.15 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.

11.16 Nitrate Vulnerable Zones

Records within 2000m

2

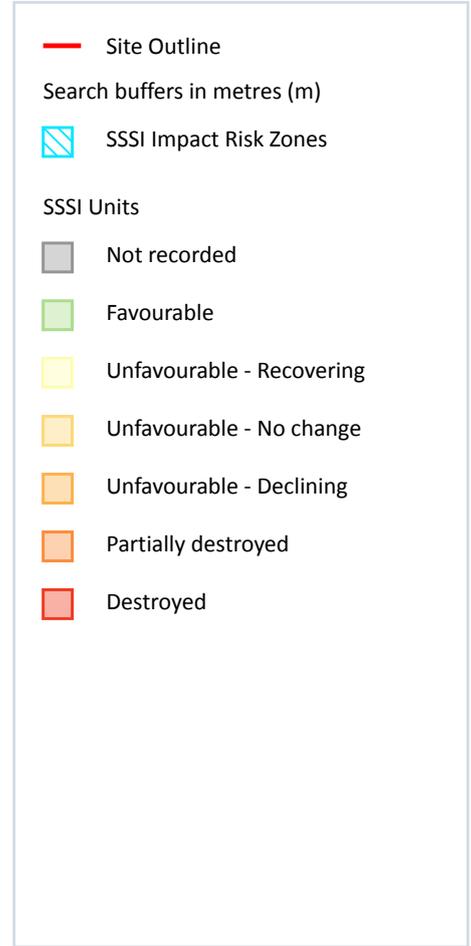
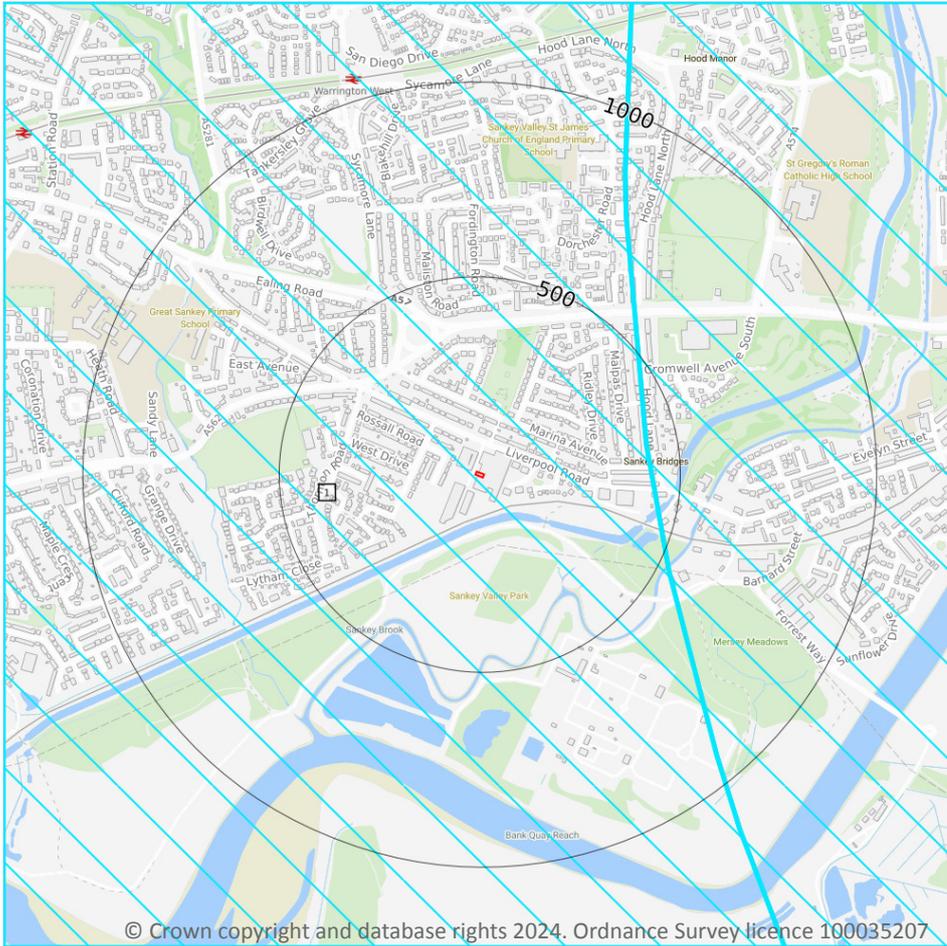
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
194m NW	Whittle Brook NVZ	Surface Water	637	Existing
591m NE	Sankey Brook (Black Bk to Mersey) NVZ	Surface Water	639	Existing

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



SSSI Impact Zones and Units



11.17 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 65 >](#)

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m².</p> <p>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.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p>

This data is sourced from Natural England.

11.18 SSSI Units

Records within 2000m	0
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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.

12 Visual and cultural designations

12.1 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.

12.2 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.

12.3 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.

12.4 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.

12.5 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.

12.6 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.

12.7 Registered Parks and Gardens

Records within 250m

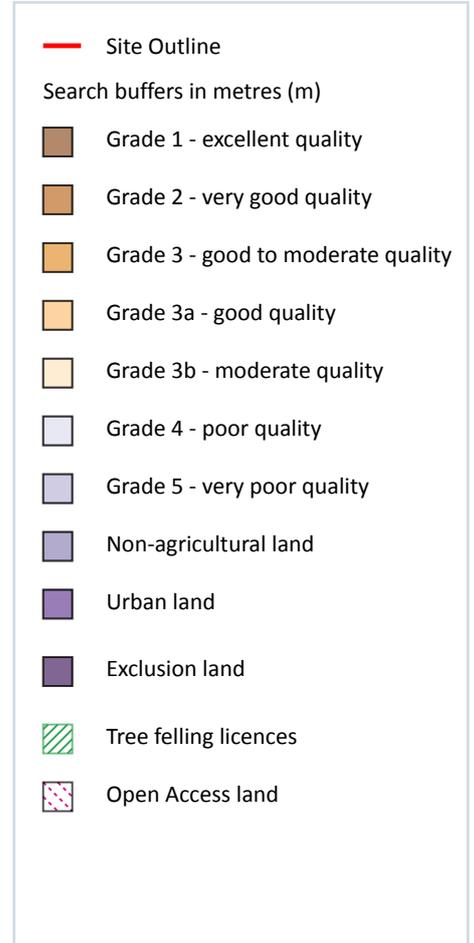
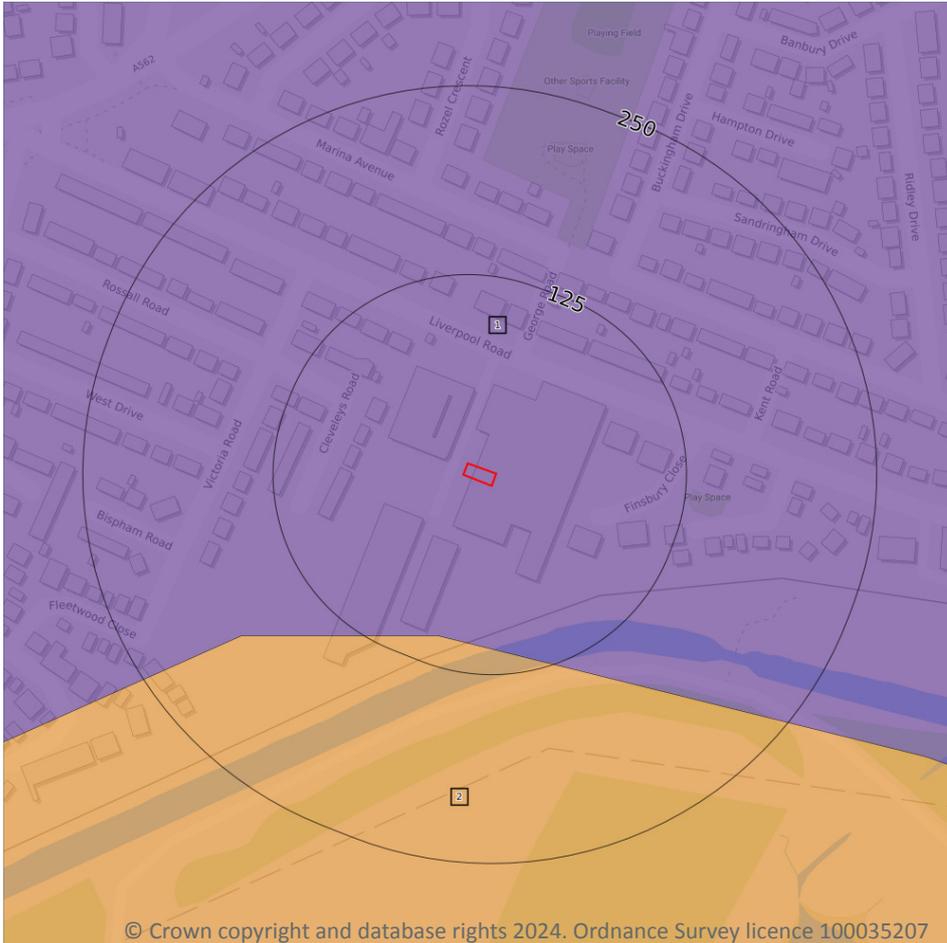
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Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, 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.



13 Agricultural designations



13.1 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 69](#) >

ID	Location	Classification	Description
1	On site	Urban	-
2	105m S	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

13.2 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.

13.3 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.

13.4 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.

13.5 Countryside Stewardship Schemes

Records within 250m

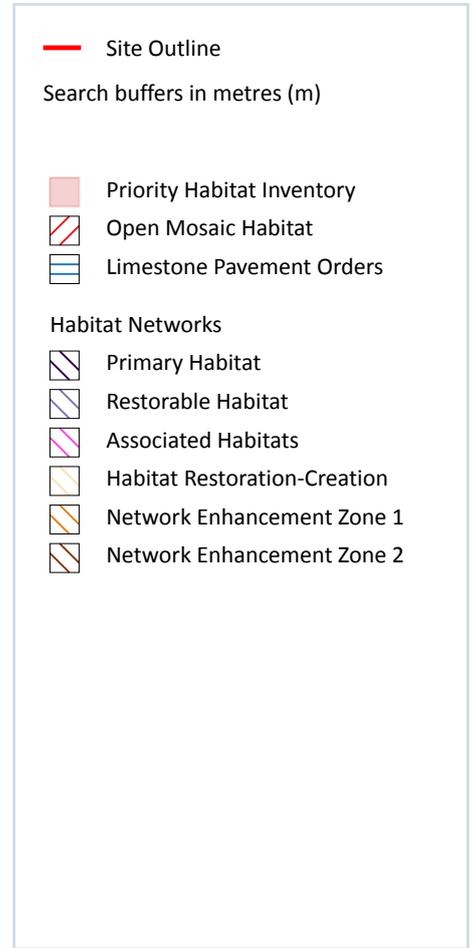
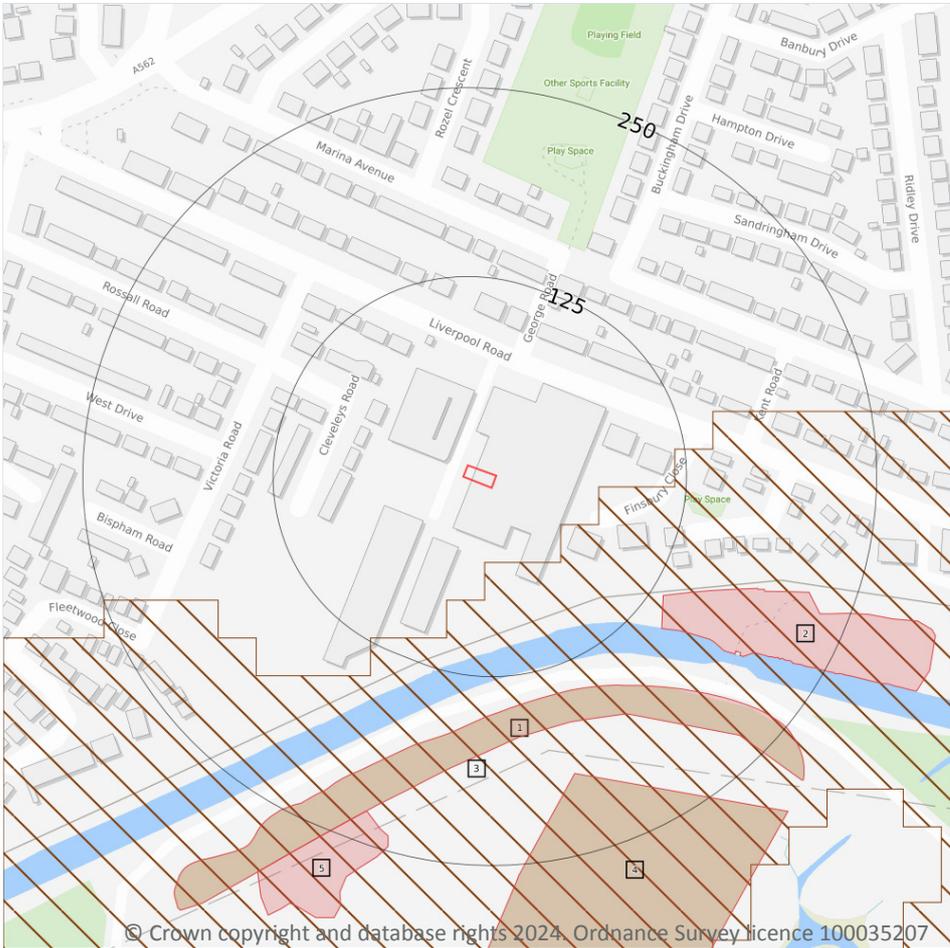
0

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.



14 Habitat designations



14.1 Priority Habitat Inventory

Records within 250m

4

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

Features are displayed on the Habitat designations map on [page 71 >](#)

ID	Location	Main Habitat	Other habitats
2	133m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	143m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	197m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	229m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

14.2 Habitat Networks

Records within 250m

1

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

Features are displayed on the Habitat designations map on [page 71 >](#)

ID	Location	Type	Habitat
1	49m S	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.

14.3 Open Mosaic Habitat

Records within 250m

0

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.

This data is sourced from Natural England.

14.4 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.



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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