

346936 , 376635,

Order Details

Date: 21/07/2023
Your ref: 70111088-201
Our Ref: GS-AA1-415-9MA-2EL

Site Details

Location: 346962 376615
Area: 3.55 ha
Authority: [Cheshire West and Chester Council](#) ↗



[Summary of findings](#)

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[Aerial image](#)

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[OS MasterMap site plan](#)

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01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	2	0	7	9	-
16 >	1.2 >	Historical tanks >	0	0	16	20	-
18 >	1.3 >	Historical energy features >	0	0	0	7	-
19	1.4	Historical petrol stations	0	0	0	0	-
19	1.5	Historical garages	0	0	0	0	-
19	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
20 >	2.1 >	Historical industrial land uses >	2	0	7	9	-
21 >	2.2 >	Historical tanks >	0	0	25	26	-
23 >	2.3 >	Historical energy features >	0	0	0	7	-
24	2.4	Historical petrol stations	0	0	0	0	-
24	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
25	3.1	Active or recent landfill	0	0	0	0	-
25	3.2	Historical landfill (BGS records)	0	0	0	0	-
26	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
26 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	2	-
26 >	3.5 >	Historical waste sites >	0	1	2	1	-
29	3.6	Licensed waste sites	0	0	0	0	-
29 >	3.7 >	Waste exemptions >	1	0	3	6	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
31 >	4.1 >	Recent industrial land uses >	0	2	25	-	-
33	4.2	Current or recent petrol stations	0	0	0	0	-
33	4.3	Electricity cables	0	0	0	0	-
33 >	4.4 >	Gas pipelines >	0	0	0	1	-
33	4.5	Sites determined as Contaminated Land	0	0	0	0	-



34 >	4.6 >	Control of Major Accident Hazards (COMAH) >	2	0	0	1	-
34	4.7	Regulated explosive sites	0	0	0	0	-
34 >	4.8 >	Hazardous substance storage/usage >	0	0	2	2	-
35 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	16	0	-
37 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	55	4	-
47	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
47 >	4.12 >	Radioactive Substance Authorisations >	0	0	6	0	-
48 >	4.13 >	Licensed Discharges to controlled waters >	0	2	1	6	-
50	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
50	4.15	Pollutant release to public sewer	0	0	0	0	-
50 >	4.16 >	List 1 Dangerous Substances >	0	0	0	3	-
50 >	4.17 >	List 2 Dangerous Substances >	0	0	0	1	-
51 >	4.18 >	Pollution Incidents (EA/NRW) >	0	2	0	1	-
51 >	4.19 >	Pollution inventory substances >	0	0	19	0	-
58 >	4.20 >	Pollution inventory waste transfers >	0	0	2	0	-
64	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
65 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
66 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
67 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
68	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
68	5.5	Groundwater vulnerability- local information	None (within 0m)				
69 >	5.6 >	Groundwater abstractions >	0	0	0	0	6
71 >	5.7 >	Surface water abstractions >	0	0	0	0	3
72 >	5.8 >	Potable abstractions >	0	0	0	0	1
73	5.9	Source Protection Zones	0	0	0	0	-
73	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
74 >	6.1 >	Water Network (OS MasterMap) >	42	8	65	-	-



83 >	6.2 >	Surface water features >	1	3	19	-	-
84 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
84 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
85 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
86 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
87	7.2	Historical Flood Events	0	0	0	-	-
87	7.3	Flood Defences	0	0	0	-	-
87 >	7.4 >	Areas Benefiting from Flood Defences >	2	0	0	-	-
88	7.5	Flood Storage Areas	0	0	0	-	-
89 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
90 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
91 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
93 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
94 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	3
95 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	0	1
95	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
96 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	0	2
96	10.5	National Nature Reserves (NNR)	0	0	0	0	0
96	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
97	10.7	Designated Ancient Woodland	0	0	0	0	0
97	10.8	Biosphere Reserves	0	0	0	0	0
97	10.9	Forest Parks	0	0	0	0	0
97	10.10	Marine Conservation Zones	0	0	0	0	0
97 >	10.11 >	Green Belt >	0	0	0	1	0
98	10.12	Proposed Ramsar sites	0	0	0	0	0



98	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
98	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
98	10.15	Nitrate Sensitive Areas	0	0	0	0	0
99 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	1	2
100 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
101 >	10.18 >	SSSI Units >	0	0	0	0	4
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
105	11.1	World Heritage Sites	0	0	0	-	-
105	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
105	11.3	National Parks	0	0	0	-	-
105	11.4	Listed Buildings	0	0	0	-	-
106	11.5	Conservation Areas	0	0	0	-	-
106	11.6	Scheduled Ancient Monuments	0	0	0	-	-
106	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
107 >	12.1 >	Agricultural Land Classification >	Grade 3 (within 250m)				
108	12.2	Open Access Land	0	0	0	-	-
108	12.3	Tree Felling Licences	0	0	0	-	-
108	12.4	Environmental Stewardship Schemes	0	0	0	-	-
108	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	13.1 >	Priority Habitat Inventory >	13	10	22	-	-
111 >	13.2 >	Habitat Networks >	3	0	1	-	-
112	13.3	Open Mosaic Habitat	0	0	0	-	-
112	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
113 >	14.1 >	10k Availability >	Identified (within 500m)				
114	14.2	Artificial and made ground (10k)	0	0	0	0	-
115 >	14.3 >	Superficial geology (10k) >	2	0	0	0	-



116	14.4	Landslip (10k)	0	0	0	0	-
117 >	14.5 >	Bedrock geology (10k) >	1	0	0	1	-
118 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	1	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
119 >	15.1 >	50k Availability >	Identified (within 500m)				
120	15.2	Artificial and made ground (50k)	0	0	0	0	-
120	15.3	Artificial ground permeability (50k)	0	0	-	-	-
121 >	15.4 >	Superficial geology (50k) >	1	1	0	0	-
122 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
122	15.6	Landslip (50k)	0	0	0	0	-
122	15.7	Landslip permeability (50k)	None (within 50m)				
123 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
124 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
124	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
125 >	16.1 >	BGS Boreholes >	1	3	20	-	-
Page	Section	Natural ground subsidence >					
127 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
128 >	17.2 >	Running sands >	Moderate (within 50m)				
130 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
132 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
133 >	17.5 >	Landslides >	Very low (within 50m)				
134 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings	On site	0-50m	50-250m	250-500m	500-2000m
136	18.1	BritPits	0	0	0	0	-
136	18.2	Surface ground workings	0	0	0	-	-
136	18.3	Underground workings	0	0	0	0	0
136	18.4	Underground mining extents	0	0	0	0	-
137	18.5	Historical Mineral Planning Areas	0	0	0	0	-



137	18.6	Non-coal mining	0	0	0	0	0
137	18.7	JPB mining areas	None (within 0m)				
137	18.8	The Coal Authority non-coal mining	0	0	0	0	-
138	18.9	Researched mining	0	0	0	0	-
138	18.10	Mining record office plans	0	0	0	0	-
138	18.11	BGS mine plans	0	0	0	0	-
138	18.12	Coal mining	None (within 0m)				
138	18.13	Brine areas	None (within 0m)				
139	18.14	Gypsum areas	None (within 0m)				
139	18.15	Tin mining	None (within 0m)				
139	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
140	19.1	Natural cavities	0	0	0	0	-
140	19.2	Mining cavities	0	0	0	0	0
140	19.3	Reported recent incidents	0	0	0	0	-
140	19.4	Historical incidents	0	0	0	0	-
141	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
142 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
144 >	21.1 >	BGS Estimated Background Soil Chemistry >	3	5	-	-	-
144	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
145	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
146	22.1	Underground railways (London)	0	0	0	-	-
146	22.2	Underground railways (Non-London)	0	0	0	-	-
147	22.3	Railway tunnels	0	0	0	-	-
147 >	22.4 >	Historical railway and tunnel features >	0	0	5	-	-
147	22.5	Royal Mail tunnels	0	0	0	-	-



148	22.6	Historical railways	0	0	0	-	-
148 >	22.7 >	Railways >	0	0	1	-	-
148	22.8	Crossrail 1	0	0	0	0	-
148	22.9	Crossrail 2	0	0	0	0	-
148	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 10/04/2020

Site Area: 3.55ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 21 July 2023

Recent site history - 2016 aerial photograph



Capture Date: 02/10/2016

Site Area: 3.55ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 21 July 2023

Recent site history - 2009 aerial photograph



Capture Date: 24/06/2009

Site Area: 3.55ha



Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 21 July 2023

Recent site history - 2005 aerial photograph



Capture Date: 15/05/2005

Site Area: 3.55ha



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Date: 21 July 2023

Recent site history - 2000 aerial photograph



Capture Date: 21/07/2000

Site Area: 3.55ha



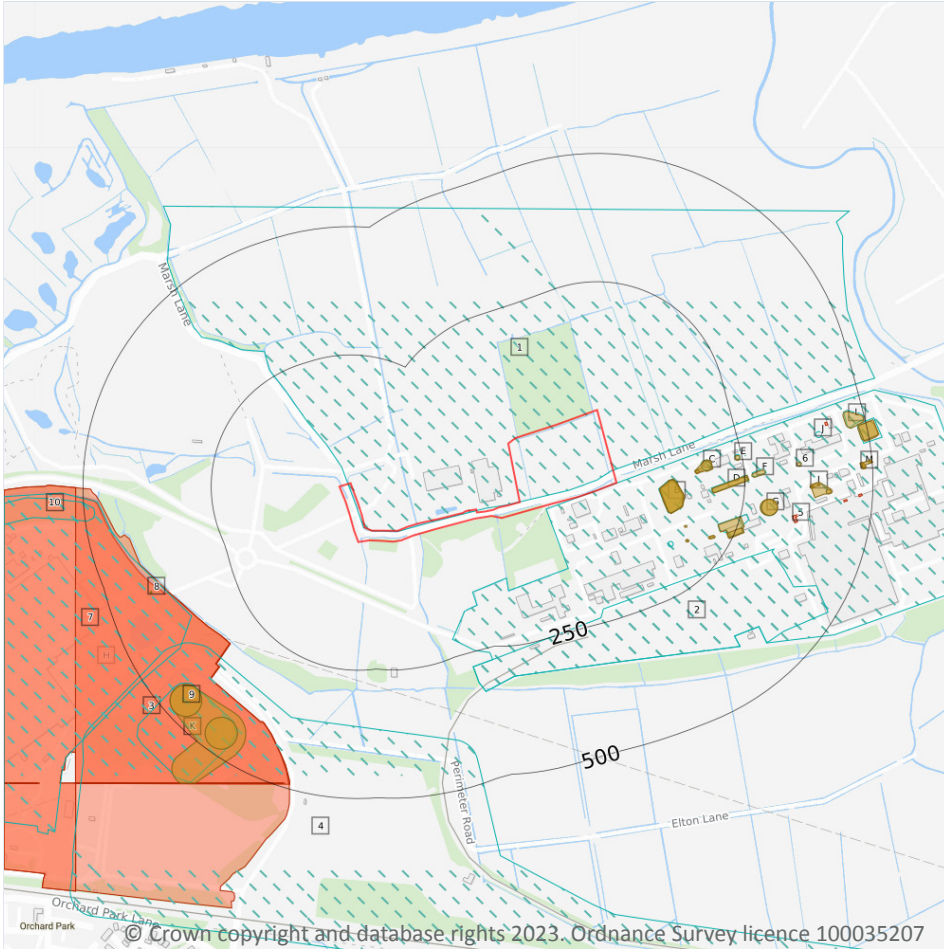
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Date: 21 July 2023

1 Past land use



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

1.1 Historical industrial land uses

Records within 500m **18**

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Marshes	1908	826512

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Commercial/Industrial	1990	796490
B	83m E	Unspecified Tanks	1990	815271
A	154m SE	Chimney	1990	835736
C	168m E	Unspecified Tank	1990	824911
D	185m E	Unspecified Tanks	1990	815270
A	214m E	Unspecified Tanks	1990	815272
2	222m SE	Railway Sidings	1990	794508
E	236m E	Unspecified Tank	1990	824912
F	265m E	Unspecified Tanks	1990	815269
G	285m E	Unspecified Tank	1990	824913
4	345m SW	Unspecified Works	1968	830055
7	356m SW	Electric Generating Station	1990	842029
J	399m E	Chimney	1990	835735
K	423m SW	Unspecified Tanks	1968	814918
L	463m E	Unspecified Tanks	1990	815267
10	480m W	Unspecified Heap	1990	803173
L	482m E	Unspecified Tanks	1990	815268

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

36

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

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

ID	Location	Land use	Dates present	Group ID
B	85m E	Tanks	1971	140697



ID	Location	Land use	Dates present	Group ID
B	85m E	Tanks	1984	136568
B	86m E	Tanks	1992	122874
C	155m E	Tanks	1971	124609
C	155m E	Tanks	1984 - 1992	125617
C	156m E	Tanks	1992	144908
A	157m E	Unspecified Tank	1971 - 1992	148931
A	175m E	Unspecified Tank	1984 - 1992	127721
A	177m E	Tanks	1971	105203
D	187m E	Tanks	1971	137804
D	187m E	Tanks	1984 - 1992	135152
A	208m E	Tanks	1984	128948
A	210m E	Tanks	1971 - 1992	123631
A	214m E	Tanks	1971	126991
E	236m E	Unspecified Tank	1971 - 1992	134061
A	237m E	Tanks	1984 - 1992	130032
F	264m E	Tanks	1984 - 1992	139999
G	284m E	Unspecified Tank	1984 - 1992	148101
G	287m E	Unspecified Tank	1971	147046
6	353m E	Unspecified Tank	1971 - 1992	148567
I	378m E	Tanks	1984	122745
I	379m E	Tanks	1971	134267
I	380m E	Tanks	1992	144300
I	392m E	Tanks	1992	139476
I	409m E	Unspecified Tank	1984	111309
K	411m SW	Tanks	1971	105081
8	412m W	Unspecified Tank	1984	111311
9	425m SW	Unspecified Tank	1964	111313
K	427m SW	Unspecified Tank	1964	111312



ID	Location	Land use	Dates present	Group ID
L	460m E	Tanks	1984 - 1992	130755
M	476m E	Tanks	1984	132232
M	479m E	Tanks	1992	142181
M	479m E	Tanks	1971	126695
L	482m E	Tanks	1984 - 1992	144534
L	484m E	Tanks	1971	144816
M	493m E	Tanks	1984	135964

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

7

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

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

ID	Location	Land use	Dates present	Group ID
H	319m SW	Electricity Generating Station	1989	64274
H	319m SW	Electricity Generating Station	1992	76338
3	319m SW	Electric Generating Station	1984	71326
5	350m E	Electricity Substation	1992	60455
J	422m E	Electricity Substation	1992	60452
I	444m E	Electricity Substation	1992	60454
I	473m E	Electricity Substation	1992	60453

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

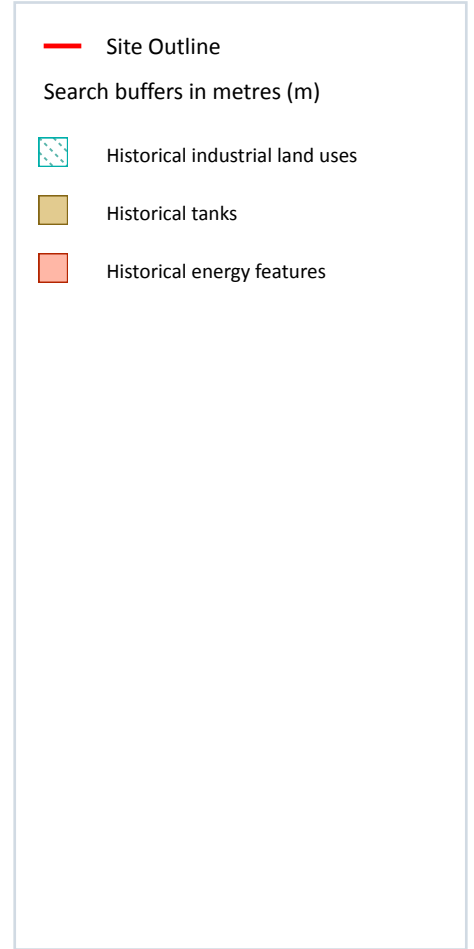
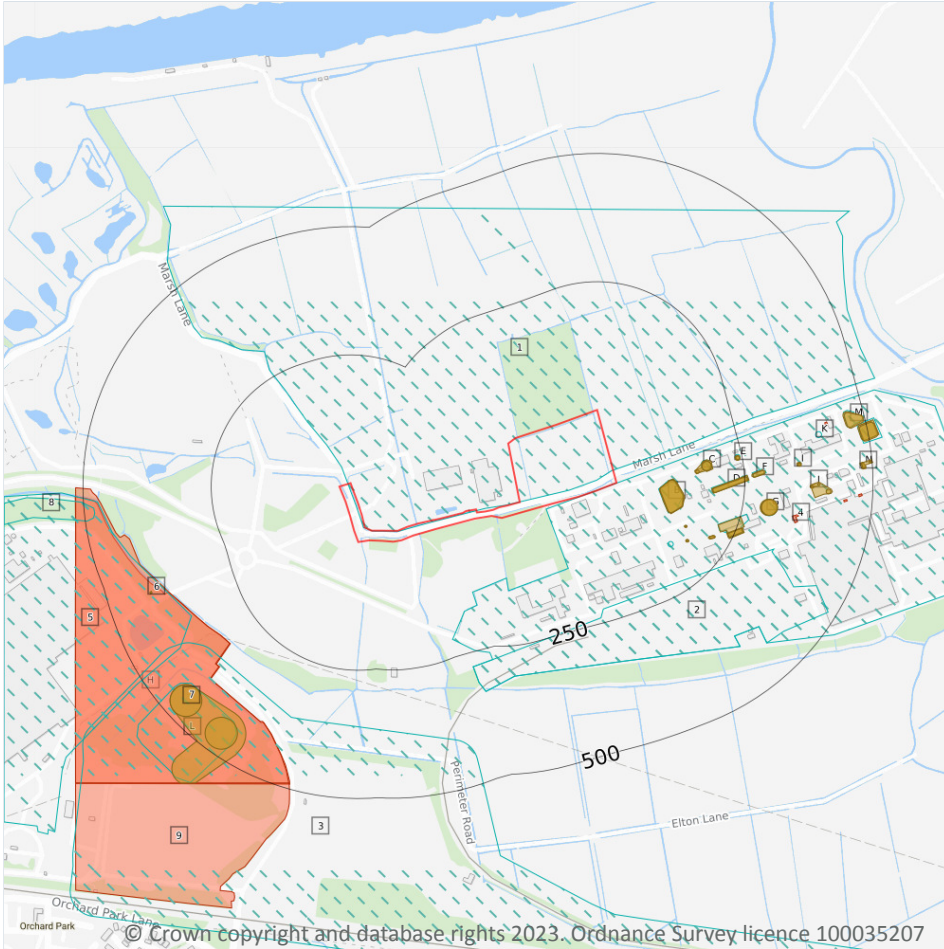
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m

18

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 ungrouped 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 20](#) >

ID	Location	Land Use	Date	Group ID
1	On site	Marshes	1908	826512
A	On site	Unspecified Commercial/Industrial	1990	796490
B	83m E	Unspecified Tanks	1990	815271

ID	Location	Land Use	Date	Group ID
A	154m SE	Chimney	1990	835736
C	168m E	Unspecified Tank	1990	824911
D	185m E	Unspecified Tanks	1990	815270
A	214m E	Unspecified Tanks	1990	815272
2	222m SE	Railway Sidings	1990	794508
E	236m E	Unspecified Tank	1990	824912
F	265m E	Unspecified Tanks	1990	815269
G	285m E	Unspecified Tank	1990	824913
3	345m SW	Unspecified Works	1968	830055
5	356m SW	Electric Generating Station	1990	842029
K	399m E	Chimney	1990	835735
L	423m SW	Unspecified Tanks	1968	814918
M	463m E	Unspecified Tanks	1990	815267
8	480m W	Unspecified Heap	1990	803173
M	482m E	Unspecified Tanks	1990	815268

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

51

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 20 >](#)

ID	Location	Land Use	Date	Group ID
B	85m E	Tanks	1971	140697
B	85m E	Tanks	1984	136568
B	86m E	Tanks	1992	122874
C	155m E	Tanks	1971	124609
C	155m E	Tanks	1984	125617



ID	Location	Land Use	Date	Group ID
C	156m E	Tanks	1992	144908
A	157m E	Unspecified Tank	1984	148931
A	158m E	Unspecified Tank	1992	148931
A	158m E	Unspecified Tank	1971	148931
C	170m E	Tanks	1992	125617
A	175m E	Unspecified Tank	1984	127721
A	176m E	Unspecified Tank	1992	127721
A	177m E	Tanks	1971	105203
D	187m E	Tanks	1971	137804
D	187m E	Tanks	1984	135152
D	189m E	Tanks	1992	135152
A	208m E	Tanks	1984	128948
A	210m E	Tanks	1992	123631
A	210m E	Tanks	1971	123631
A	214m E	Tanks	1971	126991
E	236m E	Unspecified Tank	1984	134061
A	237m E	Tanks	1984	130032
E	237m E	Unspecified Tank	1992	134061
E	237m E	Unspecified Tank	1971	134061
A	238m E	Tanks	1992	130032
F	264m E	Tanks	1984	139999
F	267m E	Tanks	1992	139999
G	284m E	Unspecified Tank	1984	148101
G	286m E	Unspecified Tank	1992	148101
G	287m E	Unspecified Tank	1971	147046
I	353m E	Unspecified Tank	1984	148567
I	356m E	Unspecified Tank	1971	148567
I	356m E	Unspecified Tank	1992	148567



ID	Location	Land Use	Date	Group ID
J	378m E	Tanks	1984	122745
J	379m E	Tanks	1971	134267
J	380m E	Tanks	1992	144300
J	392m E	Tanks	1992	139476
J	409m E	Unspecified Tank	1984	111309
L	411m SW	Tanks	1971	105081
6	412m W	Unspecified Tank	1984	111311
7	425m SW	Unspecified Tank	1964	111313
L	427m SW	Unspecified Tank	1964	111312
M	460m E	Tanks	1984	130755
M	462m E	Tanks	1992	130755
N	476m E	Tanks	1984	132232
N	479m E	Tanks	1992	142181
N	479m E	Tanks	1971	126695
M	482m E	Tanks	1984	144534
M	484m E	Tanks	1971	144816
M	485m E	Tanks	1992	144534
N	493m E	Tanks	1984	135964

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

7

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 20 >](#)

ID	Location	Land Use	Date	Group ID
H	319m SW	Electricity Generating Station	1992	76338
H	319m SW	Electric Generating Station	1984	71326



ID	Location	Land Use	Date	Group ID
4	350m E	Electricity Substation	1992	60455
K	422m E	Electricity Substation	1992	60452
J	444m E	Electricity Substation	1992	60454
J	473m E	Electricity Substation	1992	60453
9	489m SW	Electric Generating Station	1984	71326

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

0

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

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 25 >](#)

ID	Location	Details		
6	409m SW	Site Address: Ince Power Station, Ash Road, Chester, Cheshire Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Central Electricity Generating Board Licence Holder: - First Recorded 31/12/1960 Last Recorded: -
C	422m SW	Site Address: Ince A Power Station, Ash Road, Ince, Chester, Cheshire Licence Holder Address: Europa House, Bird Hall Lane, Cheadle Heath, Stockport	Waste Licence: Yes Site Reference: O73, 60314 Waste Type: Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 12/05/1977 Licence Surrender: 10/05/1982	Operator: - Licence Holder: Central Electricity Generating Board First Recorded 31/12/1977 Last Recorded: 10/05/1982

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

3.5 Historical waste sites

Records within 500m

4

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

Features are displayed on the Waste and landfill map on [page 25 >](#)



ID	Location	Address	Further Details	Date
2	48m N	Site Address: Wilton 11, Wilton, Redcar, or, Ince Marshes site in Cheshire, REDCAR, Cleveland, TS10	<p>Type of Site: Energy from Waste Planning application reference: N/A Description: Scheme comprises a proposal for an energy from waste facility. Covanta are proposing a site at Ince Marshes in Cheshire and SITA, the Wilton International site in Teesside. Each bidder is proposing the facility for the production of energy in the form of electricity and/or heat from household waste, to treat approximately 500,000 tonnes per year of the region's waste. Construction - piled foundations; pre-cast concrete frame. A Certificate of Lawfulness has been applied for. The whole Wilton site is covered by an instrument of consent, so this application has been submitted to inform the council of the proposal only. We have been advised competitive dialogue stage continues. Wilton 11 will be constructed adjacent to the existing Wilton Power Station . The new waste incinerator on behalf of Sita will convert non hazardous rubbish collected from homes and businesses in the surrounding area into energy. The plant should prevent approximately 130,000 tonnes of polluting carbon emissions. The plant is expected to be covered by existing planning permission for the Wilton site and the partnership intends to start construction on the facility following a public consultation in 2012, with it becoming operational in 2015. Discussions for feedstock for the proposed plant are currently on-going, with SITA hopeful of sourcing material from business and local authorities in the Teesside area. Covanta propose construction of an Energy from Waste plant. The 35.5MW plant will generate enough energy for around 50 000 homes. Competitive dialogue for this project continues and a preferred bidder will be announced late 2011. Public consultations are to be held during 2012. Merseyside Waste Disposal Authority (MWDA) has narrowed the options for a new PFI wa Data source: Historic Planning Application Data Type: Point</p>	01/10/2012
B	187m W	Site Address: Protos, Grinsome Road, Chester, Cheshire, CH2 4RB	<p>Type of Site: Waste Recycling Facility Planning application reference: 21/04076/FUL Description: Scheme comprises materials recycling facility, two plastics recycling facilities, a polymer laminate recycling facility and a hydrogen refuelling station. Scheme also includes polycarbonate. Data source: Historic Planning Application Data Type: Point</p>	07/10/2021



ID	Location	Address	Further Details	Date
B	187m W	Site Address: Protos, Grinsome Road, Chester, Cheshire, CH2 4RB, N.WEST	<p>Type of Site: Waste Recycling Facility</p> <p>Planning application reference: 21/04076/FUL</p> <p>Description: Scheme comprises materials recycling facility, two plastics recycling facilities, a polymer laminate recycling facility and a hydrogen refuelling station. Scheme also includes polycarbonate. Key facilities</p> <p>A Materials Recycling Facility: separate out dry mixed recyclable materials (such as glass, paper, cans and card) into different waste streams and send them for recycling.</p> <p>Plastics Recycling Facility One: plastic from the MRF and mixed plastics separated into different plastic types. The separated plastic will either go to PRF2 or the PET recycling plant already consented at Protos.</p> <p>Plastics Recycling Facility Two (PRF2): pre-sorted plastic from PRF1 will be washed and processed into flaked plastic for reuse.</p> <p>Polymer Laminate Recycling Facility: plastic (such as crisp packets and baby food pouches) will be heated, the plastic will break down into an oil for reuse in manufacturing new products with the aluminum recovered for recycling.</p> <p>Hydrogen refueling station: hydrogen from the consented plastic to hydrogen facility used to supply up to 1000kg of hydrogen per day to vehicles, sufficient to fuel approximately 20 HGVs from outside Protos and a similar number of internal HGV movements that will be servicing operations within Protos.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	07/10/2021
4	291m W	Site Address: Ince Resource Recovery Park, Grinsome Road, Ellesmere Port, Cheshire, CH65	<p>Type of Site: Timber Recycling Plant</p> <p>Planning application reference: 16/03210/REM</p> <p>Description: scheme comprises appearance and scale reserved matters pursuant to outline planning permission 14/02271/S73 which relates to the development of a timber recycling plant and associated infrastructure on plot 3 of protos, on land at Ince Marshes, Grinsome Road, Ince, Cheshire the associated works include sewer systems, landscaping, infrastructure, enabling and access roads.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	04/10/2016

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



3.6 Licensed waste sites

Records within 500m
0

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

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

3.7 Waste exemptions

Records within 500m
10

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 25 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	On site	-	WEX131167	Using waste exemption	Not on a farm	Use of waste in construction
A	137m W	-	WEX106014	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	137m W	-	WEX247968	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
3	227m SW	Cheetham Hill Construction Chester Cheshire West and Chester CH2 4LB	EPR/ZF0301FD /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
5	396m SE	NG Shellstar AGI Kemira Elton Cheshire CH2 4LB	EPR/NF0634RF /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
C	481m SW	-	WEX085445	Using waste exemption	Not on a farm	Use of waste in construction
D	487m E	PLOT 3, PROTOS, GRINSTONE ROAD, INCE, CH2 4LB	WEX104968	Using waste exemption	Not on a farm	Use of waste in construction
D	488m E	PLOT 3, PROTOS, GRINSTONE ROAD, INCE, CH2 4LB	WEX248609	Using waste exemption	Not on a farm	Use of waste in construction

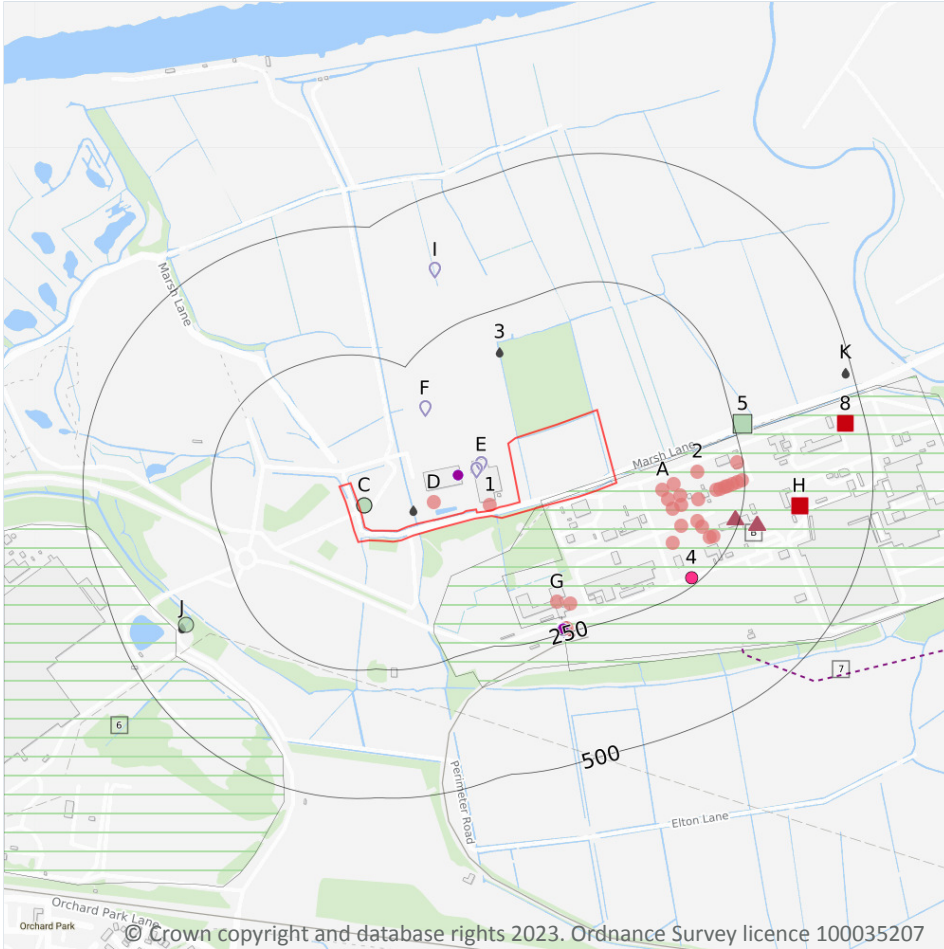


ID	Location	Site	Reference	Category	Sub-Category	Description
E	499m W	-	WEX229236	Treating waste exemption	Not on a farm	Screening and blending of waste
E	499m W	-	WEX355588	Treating waste exemption	Not on a farm	Screening and blending of waste

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

27

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 31](#) >

ID	Location	Company	Address	Activity	Category
1	11m SW	Chimney	Cheshire, CH2	Chimneys	Industrial Features
D	34m W	Biogas Power Station	Cheshire, CH2	Energy Production	Industrial Features
A	91m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
A	105m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	112m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	120m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	127m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	134m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	151m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
2	159m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	160m SE	Chimney	Cheshire, CH2	Chimneys	Industrial Features
A	162m E	Electricity Sub Station	Cheshire, CH2	Electrical Features	Infrastructure and Facilities
A	175m E	Chimney	Cheshire, CH2	Chimneys	Industrial Features
G	187m S	Works	Cheshire, CH2	Unspecified Works Or Factories	Industrial Features
A	188m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	194m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
G	197m S	Electricity Sub Station	Cheshire, CH2	Electrical Features	Infrastructure and Facilities
A	203m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	210m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	211m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	217m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	217m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	227m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	236m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
A	239m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features
G	242m S	Growhow (UK) Ltd	Igas Ince Well Site, Grinsome Road, Ellesmere Port, Cheshire, CH2 4LB	Agricultural Machinery and Goods	Industrial Products
A	245m E	Tank	Cheshire, CH2	Tanks (Generic)	Industrial Features

This data is sourced from Ordnance Survey.



Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Date: 21 July 2023

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

1

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Pipe Name	Details	
7	399m SE	HELSEBY TO SHELLSTAR	Pipe Number: - Pipeline Safety Regulations Number: - Ownership: National Grid Maximum Operating Pressure (Bar): -	Pipeline Diameter (mm): 300 Wall Thickness (mm): - Year of commission: Not specified Abandonment Status: Not abandoned

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

3

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 31 >](#)

ID	Location	Company	Address	Operational status	Tier
A	On site	Growhow Uk Ltd	Growhow Uk Ltd, Ince Marshes, Ince Marshes, Ince, Chester, Cheshire, CH2 4LB	Historical NIHHS Site	-
B	On site	CF Fertilisers UK Limited	CF Fertilisers UK Limited, Ince Marshes, Ince Marshes, Ince, Chester, Cheshire, CH2 4LB	Current COMAH Site	COMAH Upper Tier Operator
6	379m SW	Encirc Limited	Encirc Limited, Chester, Ash Road, Elton, Chester, Cheshire, CH2 4LF	Current COMAH Site	COMAH Lower Tier Operator

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

4

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

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Details	
B	240m E	Application reference number: P/2000/108/ST/729 Application status: Historical Consent Application date: 30/11/2000 Address: Kemira Fertilisers, Pool Lane, Ince, Chester, Cheshire, CH2 4NX	Details: Storage of up to 70 tonnes of anhydrous ammonia. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified



ID	Location	Details	
G	242m S	Application reference number: No Details Application status: Approved Application date: No Details Address: CF Fertilisers UK Ltd, Ince Site, Ince, Chester, Cheshire, England, CH2 4LB	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
B	283m E	Application reference number: P/99/108/ST/660 Application status: Historical Consent Application date: 02/11/1999 Address: Kemira Fertilisers, Pool Lane, Ince, Chester, Cheshire, CH2 4NX	Details: Claim for deemed hazardous substances consent Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
B	283m E	Application reference number: P/93/108/ST/335 Application status: Historical Consent Application date: 13/08/1993 Address: Kemira Fertilisers, Pool Lane, Ince, Chester, Cheshire, CH2 4NX	Details: Storage of Fertilisers (Ammonium Nitrate & Compound) Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

16

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 31 >](#)

ID	Location	Details	
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: AL7855	Original Permit Number: IPCAIRAPP Date Approved: 31-8-1994 Effective Date: 1-10-1994 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: AR6509	Original Permit Number: IPCMINVAR Date Approved: 27-11-1995 Effective Date: 1-12-1995 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: AY6546	Original Permit Number: IPCMINVAR Date Approved: 22-8-1997 Effective Date: 1-9-1997 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BD9432	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation



ID	Location	Details	
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BG3805	Original Permit Number: IPCMINVAR Date Approved: 21-9-1999 Effective Date: 1-10-1999 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BI0971	Original Permit Number: IPCMINVAR Date Approved: 29-3-2000 Effective Date: 5-4-2000 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BI2087	Original Permit Number: IPCMINVAR Date Approved: 11-4-2000 Effective Date: 18-4-2000 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BI3601	Original Permit Number: IPCMINVAR Date Approved: 20-4-2000 Effective Date: 27-4-2000 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BK3484	Original Permit Number: IPCMINVAR Date Approved: 15-1-2001 Effective Date: 22-1-2001 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BL0308	Original Permit Number: IPCMINVAR Date Approved: 25-4-2001 Effective Date: 2-5-2001 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BQ2979	Original Permit Number: IPCMINVAR Date Approved: 8-1-2002 Effective Date: 15-1-2002 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BU8533	Original Permit Number: IPCMINVAR Date Approved: 8-7-2003 Effective Date: 15-7-2003 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BV9403	Original Permit Number: IPCMINVAR Date Approved: 7-10-2003 Effective Date: 13-10-2003 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BX1489	Original Permit Number: IPCMINVAR Date Approved: 13-1-2004 Effective Date: 19-1-2004 Status: Superseded By Variation



ID	Location	Details	
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BY5749	Original Permit Number: IPCMINVAR Date Approved: 22-10-2004 Effective Date: 1-11-2004 Status: Superseded By Variation
G	241m S	Operator: Kemira Growhow UK Ltd Address: Ince, Chester, CH2 4LB Process: Chemical Fertiliser Production Permit Number: BZ4721	Original Permit Number: IPCMINVAR Date Approved: 31-8-2005 Effective Date: 5-9-2005 Status: Revoked - Now Ippc

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

59

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

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Details	
E	60m W	Operator: PEEL L&P ENVIRONMENTAL PROTOS LIMITED Installation Name: Ince Refuse Derived Fuel Plant EPR/TP3135LS Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: TP3135LS Original Permit Number: TP3135LS	EPR Reference: EPR/TP3135LS Issue Date: 21/12/2006 Effective Date: 21/12/2006 Last date noted as effective: 25/05/2023 Status: Superseded
E	60m W	Operator: COVANTA ENERGY LIMITED Installation Name: PROTOS REFUSE DERIVED FUEL PLANT Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: XP3735QQ Original Permit Number: LP3132FX	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 31/01/2019 Status: DETERMINATION
E	60m W	Operator: Covanta Energy Ltd Installation Name: Ince Refuse Derived Fuel Plant EPR/LP3132FX Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: LP3032CB Original Permit Number: LP3132FX	EPR Reference: - Issue Date: 03/05/2012 Effective Date: 03/05/2012 Last date noted as effective: 21/03/2023 Status: Superceded



ID	Location	Details	
E	60m W	Operator: Covanta Energy Ltd Installation Name: Ince Refuse Derived Fuel Plant EPR/LP3132FX Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: QP3631FR Original Permit Number: LP3132FX	EPR Reference: - Issue Date: 19/03/2012 Effective Date: 19/03/2012 Last date noted as effective: 21/03/2023 Status: Superseded
E	60m W	Operator: Covanta Energy Ltd Installation Name: Ince Refuse Derived Fuel Plant EPR/LP3132FX Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: TP3331EE Original Permit Number: LP3132FX	EPR Reference: - Issue Date: 23/01/2014 Effective Date: 23/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
E	60m W	Operator: Covanta Energy Ltd Installation Name: Ince Refuse Derived Fuel Plant EPR/LP3132FX Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: LP3132FX Original Permit Number: LP3132FX	EPR Reference: - Issue Date: 06/10/2011 Effective Date: 06/10/2011 Last date noted as effective: 21/03/2023 Status: Superseded
E	72m W	Operator: THOMAS HAWKSLEY CONSULTING LIMITED Installation Name: Ince Bio Power Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO- CHEMICAL TREATMENT Permit Number: UP3803PN Original Permit Number: UP3803PN	EPR Reference: EPR/UP3803PN Issue Date: 07/05/2019 Effective Date: 07/05/2019 Last date noted as effective: 25/05/2023 Status: Superseded
E	72m W	Operator: THOMAS HAWKSLEY CONSULTING LIMITED Installation Name: Ince Bio Power Process: ASSOCIATED PROCESS Permit Number: UP3803PN Original Permit Number: UP3803PN	EPR Reference: EPR/UP3803PN Issue Date: 07/05/2019 Effective Date: 07/05/2019 Last date noted as effective: 25/05/2023 Status: Superseded
E	72m W	Operator: THOMAS HAWKSLEY CONSULTING LIMITED Installation Name: Ince Bio Power Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: UP3803PN Original Permit Number: UP3803PN	EPR Reference: EPR/UP3803PN Issue Date: 07/05/2019 Effective Date: 07/05/2019 Last date noted as effective: 25/05/2023 Status: Superseded



ID	Location	Details	
F	176m NW	Operator: Covanta Energy Limited Installation Name: Protos Refuse Derived Fuel Plant - EPR/LP3132FX Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: BP3537JA Original Permit Number: LP3132FX	EPR Reference: - Issue Date: 29/01/2019 Effective Date: 29/01/2019 Last date noted as effective: 21/03/2023 Status: Effective
F	176m NW	Operator: COVANTA ENERGY LIMITED Installation Name: Protos Refuse Derived Fuel Plant - EPR/LP3132FX Process: INCINERATION OF NON-HAZARDOUS WASTE 5.1 A(1) B) Permit Number: LP3132FX Original Permit Number: LP3132FX	EPR Reference: EPR/LP3132FX Issue Date: 29/01/2019 Effective Date: 29/01/2019 Last date noted as effective: 25/05/2023 Status: Effective
G	241m S	Operator: CF FERTILISERS UK LIMITED Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: EPR/JP3837KT Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 25/05/2023 Status: Effective
G	241m S	Operator: CF FERTILISERS UK LIMITED Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; ACIDS EG CHROMIC ACID Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: EPR/JP3837KT Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 25/05/2023 Status: Effective
G	241m S	Operator: CF FERTILISERS UK LIMITED Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: EPR/JP3837KT Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 25/05/2023 Status: Effective
G	241m S	Operator: CF FERTILISERS UK LIMITED Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: COMBUSTION; ANY FUEL =>50MW Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: EPR/JP3837KT Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 25/05/2023 Status: Effective



ID	Location	Details	
G	241m S	Operator: CF FERTILISERS UK LIMITED Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: THE STORAGE OF CHEMICALS IN BULK Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: EPR/JP3837KT Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 25/05/2023 Status: Effective
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: ASSOCIATED PROCESS Permit Number: LP3638NC Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: LP3638NC Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: CONVERTING CHEMICAL FERTILISERS INTO GRANULES Permit Number: WP3838FR Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 04/07/2011 Effective Date: 04/07/2011 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: WP3838FR Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 04/07/2011 Effective Date: 04/07/2011 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: CF Fertilisers UK Limited Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; GASES EG AMMONIA Permit Number: ZP3934RM Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: WP3838FR Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 04/07/2011 Effective Date: 04/07/2011 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: COMBUSTION; ANY FUEL =>50MW Permit Number: WP3838FR Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 04/07/2011 Effective Date: 04/07/2011 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; ACIDS EG CHROMIC ACID Permit Number: WP3838FR Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 04/07/2011 Effective Date: 04/07/2011 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: THE STORAGE OF CHEMICALS IN BULK Permit Number: WP3838FR Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 04/07/2011 Effective Date: 04/07/2011 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: THE STORAGE OF CHEMICALS IN BULK Permit Number: TP3438XS Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 04/02/2008 Effective Date: 06/02/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: TP3438XS Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 04/02/2008 Effective Date: 06/02/2008 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: EP3933KJ Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 15/05/2009 Effective Date: 15/05/2009 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: EP3933KJ Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 15/05/2009 Effective Date: 15/05/2009 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: TP3438XS Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 04/02/2008 Effective Date: 06/02/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: CONVERTING CHEMICAL FERTILISERS INTO GRANULES Permit Number: TP3438XS Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 04/02/2008 Effective Date: 06/02/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: EP3933KJ Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 15/05/2009 Effective Date: 15/05/2009 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: EP3933KJ Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 15/05/2009 Effective Date: 15/05/2009 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: THE STORAGE OF CHEMICALS IN BULK Permit Number: EP3933KJ Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 15/05/2009 Effective Date: 15/05/2009 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 17/02/2010 Effective Date: 17/02/2010 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; GASES EG AMMONIA Permit Number: LP3638NC Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: LP3638NC Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: THE STORAGE OF CHEMICALS IN BULK Permit Number: LP3638NC Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: CONVERTING CHEMICAL FERTILISERS INTO GRANULES Permit Number: EP3933KJ Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 15/05/2009 Effective Date: 15/05/2009 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: INORGANIC CHEMICALS; ACIDS EG CHROMIC ACID Permit Number: EP3933KJ Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 15/05/2009 Effective Date: 15/05/2009 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: TP3438XS Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 04/02/2008 Effective Date: 06/02/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: INORGANIC CHEMICALS; ACIDS EG CHROMIC ACID Permit Number: TP3438XS Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 04/02/2008 Effective Date: 06/02/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: KEMIRA GROWHOW UK LTD Installation Name: Ince Fertiliser Manufacturing Site EPR/BS5347IJ Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: TP3438XS Original Permit Number: BS5347IJ	EPR Reference: - Issue Date: 04/02/2008 Effective Date: 06/02/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: CF Fertilisers UK Limited Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: ASSOCIATED PROCESS Permit Number: ZP3934RM Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 21/03/2023 Status: Effective
G	241m S	Operator: CF Fertilisers UK Limited Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; ACIDS EG CHROMIC ACID Permit Number: ZP3934RM Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
G	241m S	Operator: CF Fertilisers UK Limited Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; SALTS EG AMMONIUM CHLORIDE Permit Number: ZP3934RM Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 21/03/2023 Status: Effective
G	241m S	Operator: CF Fertilisers UK Limited Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: COMBUSTION; ANY FUEL =>50MW Permit Number: ZP3934RM Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 21/03/2023 Status: Effective
G	241m S	Operator: CF Fertilisers UK Limited Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: ZP3934RM Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 21/03/2023 Status: Effective
G	241m S	Operator: CF Fertilisers UK Limited Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: THE STORAGE OF CHEMICALS IN BULK Permit Number: ZP3934RM Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 21/03/2023 Status: Effective
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: CONVERTING CHEMICAL FERTILISERS INTO GRANULES Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 17/02/2010 Effective Date: 17/02/2010 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: COMBUSTION; ANY FUEL =>50MW Permit Number: LP3638NC Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; ACIDS EG CHROMIC ACID Permit Number: LP3638NC Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: GrowHow UK Ltd Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC Permit Number: WP3838FR Original Permit Number: JP3837KT	EPR Reference: - Issue Date: 04/07/2011 Effective Date: 04/07/2011 Last date noted as effective: 21/03/2023 Status: Superseded
G	241m S	Operator: CF FERTILISERS UK LIMITED Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: INORGANIC CHEMICALS; GASES EG AMMONIA Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: EPR/JP3837KT Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 25/05/2023 Status: Effective
G	241m S	Operator: CF FERTILISERS UK LIMITED Installation Name: Ince Fertiliser Manufacturing Site EPR/JP3837KT Process: ASSOCIATED PROCESS Permit Number: JP3837KT Original Permit Number: JP3837KT	EPR Reference: EPR/JP3837KT Issue Date: 30/11/2015 Effective Date: 30/11/2015 Last date noted as effective: 25/05/2023 Status: Effective
I	363m NW	Operator: Ballast Pheonix Installation Name: Ince Marshes EPR/TP3836FC Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: TP3836FC Original Permit Number: TP3836FC	EPR Reference: - Issue Date: 03/05/2012 Effective Date: 03/05/2012 Last date noted as effective: 21/03/2023 Status: Superseded
I	363m NW	Operator: Ballast Phoenix Limited Installation Name: Ince Marshes EPR/TP3836FC Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: HP3437AZ Original Permit Number: TP3836FC	EPR Reference: - Issue Date: - Effective Date: 05/08/2015 Last date noted as effective: 21/03/2023 Status: Surrender Effective



ID	Location	Details	
I	363m NW	Operator: Ballast Phoenix Limited Installation Name: Ince Marshes EPR/TP3836FC Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: RP3631ER Original Permit Number: TP3836FC	EPR Reference: - Issue Date: 21/01/2014 Effective Date: 21/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
I	363m NW	Operator: BLUE PHOENIX LIMITED Installation Name: Ince Marshes EPR/TP3836FC Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: TP3836FC Original Permit Number: TP3836FC	EPR Reference: EPR/TP3836FC Issue Date: 05/08/2015 Effective Date: 05/08/2015 Last date noted as effective: 25/05/2023 Status: Surrendered

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

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

Records within 500m	0
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Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	6
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Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Address	Details	
4	235m SE	Ince, Chester, CH2 4LB	Operator: CF Fertilisers UK Limited Type: - Permission number: UP3793SP Date of approval: -	Effective from: 19/08/2010 Last date of update: 01/01/2020 Status: Issued
G	241m S	Growhow Uk (west) Ltd, Ince, Chester, CH2 4LB	Operator: Growhow Uk (west) Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AB8759 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Superseded By Variation

ID	Location	Address	Details	
G	241m S	Growhow Uk (west) Ltd, Ince, Chester, CH2 4LB	Operator: Growhow Uk (west) Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AB8759 Date of approval: 28/10/2003	Effective from: 21/11/2003 Last date of update: 01/01/2015 Status: Superseded By Variation
G	241m S	Growhow Uk (west) Ltd, Ince, Chester, CH2 4LB	Operator: Growhow Uk (west) Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AB8759 Date of approval: 15/04/2009	Effective from: 13/05/2009 Last date of update: 01/01/2015 Status: Revoked/cancelled
G	241m S	Growhow Uk (west) Ltd, Ince, Chester, CH2 4LB	Operator: Growhow Uk (west) Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AB8767 Date of approval: 28/10/2003	Effective from: 28/10/2003 Last date of update: 01/01/2015 Status: Superseded By Variation
G	241m S	Growhow Uk (west) Ltd, Ince, Chester, CH2 4LB	Operator: Growhow Uk (west) Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AB8767 Date of approval: 15/04/2009	Effective from: 15/04/2009 Last date of update: 01/01/2015 Status: Revoked/cancelled

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

4.13 Licensed Discharges to controlled waters

Records within 500m

9

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

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Address	Details	
D	27m W	INCE PARK BIOMASS PLANT, MBV ENERGY RECOVERY, PLOT 9A GRINSOME ROAD, INCE, CHESTER, CH2 4LB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRDB3891ND Permit Version: 2 Receiving Water: WEST CENTRAL DRAIN	Status: NEW ISSUED UNDER EPR 2010 Issue date: 19/05/2016 Effective Date: 01/02/2019 Revocation Date: 30/04/2019
D	27m W	INCE PARK BIOMASS PLANT, MBV ENERGY RECOVERY, PLOT 9A GRINSOME ROAD, INCE, CHESTER, CH2 4LB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRDB3891ND Permit Version: 1 Receiving Water: WEST CENTRAL DRAIN	Status: NEW ISSUED UNDER EPR 2010 Issue date: 19/05/2016 Effective Date: 19/05/2016 Revocation Date: 31/01/2019



ID	Location	Address	Details	
3	168m N	PLOT 8, INCE PARK, CHESTER, CH2 4NR	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRVB3998AW Permit Version: 1 Receiving Water: TRIBUTARY OF HOOLPOOL GUTTER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 29/10/2021 Effective Date: 29/10/2021 Revocation Date: -
J	382m SW	ENCIRC, ASH ROAD, ELTON, CHESHIRE, CH2 4LF	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016892435 Permit Version: 1 Receiving Water: HOOLPOOL GUTTER TRIBUTARY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/01/2006 Effective Date: 13/01/2006 Revocation Date: -
J	382m SW	ENCIRC, ASH ROAD, ELTON, CHESHIRE, CH2 4LF	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016892436 Permit Version: 1 Receiving Water: HOOLPOOL GUTTER TRIBUTARY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/01/2006 Effective Date: 13/01/2006 Revocation Date: -
K	485m E	NO 6 DREDGING DEPOSIT GROUND, FRODSHAM MARSH, CHESHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 016992247 Permit Version: 4 Receiving Water: HOLPOOL GUTTER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 31/10/1995 Revocation Date: -
K	485m E	NO 6 DREDGING DEPOSIT GROUND, FRODSHAM MARSH, CHESHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 016992247 Permit Version: 1 Receiving Water: HOLPOOL GUTTER	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 31/01/1991 Revocation Date: 21/06/1994
K	485m E	NO 6 DREDGING DEPOSIT GROUND, FRODSHAM MARSH, CHESHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 016992247 Permit Version: 2 Receiving Water: HOLPOOL GUTTER	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 22/06/1994 Revocation Date: 21/09/1994
K	485m E	NO 6 DREDGING DEPOSIT GROUND, FRODSHAM MARSH, CHESHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 016992247 Permit Version: 3 Receiving Water: HOLPOOL GUTTER	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 22/09/1994 Revocation Date: 30/10/1995

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



Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Date: 21 July 2023

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

3

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.

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
H	359m E	Kemira Growhow Uk Ltd, Kemira Works, Ch2 4lb	Active	Hornsmill Brook, Any	Mercury (other), Cadmium
H	359m E	Kemira Growhow Uk Ltd, Kemira Works, Ch2 4lb	Active	Hornsmill Brook, Any	Mercury (other), Cadmium
8	460m E	Kemira Growhow Uk Ltd	Not Active	Mersey Estuary	Mercury (other), Cadmium

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

4.17 List 2 Dangerous Substances

Records within 500m

1

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

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
5	267m E	Kemira Agro Uk Ltd	Not Active	Mersey Estuary	Arsenic, Chromium, Copper, Lead, Nickel, Zinc, Total metals (total)

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

3

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

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID	Location	Details	
C	9m W	Incident Date: 24/04/2001 Incident Identification: 3294 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	9m W	Incident Date: 24/04/2001 Incident Identification: 3294 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	373m SW	Incident Date: 30/10/2008 Incident Identification: 631779 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 2 (Significant) 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

19

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

Features are displayed on the Current industrial land use map on [page 31 >](#)



ID: E, Location: 72m W, Permit: NP3101SV
 Operator: Bioenergy Infrastructure Services Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Ince Bio Power Plot 9,Protos Cheshire CH2 4LB
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Mercury	1kg	1.02kg

ID: E, Location: 72m W, Permit: NP3101SV
 Operator: Bioenergy Infrastructure Services Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Ince Bio Power Plot 9,Protos Cheshire CH2 4LB
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chromium	10kg	80.68kg

ID: E, Location: 72m W, Permit: NP3101SV
 Operator: Bioenergy Infrastructure Services Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Ince Bio Power Plot 9,Protos Cheshire CH2 4LB
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Lead	100kg	153.01kg

ID: E, Location: 72m W, Permit: NP3101SV
 Operator: Bioenergy Infrastructure Services Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Ince Bio Power Plot 9,Protos Cheshire CH2 4LB
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Copper	10kg	32.15kg

ID: E, Location: 72m W, Permit: NP3101SV
Operator: Bioenergy Infrastructure Services Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Ince Bio Power Plot 9, Protos Cheshire CH2 4LB
Sector: EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - PM2.5	1000kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Air	Arsenic	1kg	Below Reporting Threshold
Air	Cadmium	1kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Naphthalene	100kg	Below Reporting Threshold

ID: E, Location: 72m W, Permit: NP3101SV
Operator: Bioenergy Infrastructure Services Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Ince Bio Power Plot 9, Protos Cheshire CH2 4LB
Sector: EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	41376000kg



ID: E, Location: 72m W, Permit: NP3101SV
Operator: Bioenergy Infrastructure Services Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Ince Bio Power Plot 9, Protos Cheshire CH2 4LB
Sector: EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	1068.14kg

ID: E, Location: 72m W, Permit: NP3101SV
Operator: Bioenergy Infrastructure Services Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Ince Bio Power Plot 9, Protos Cheshire CH2 4LB
Sector: EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon Dioxide From Qualifying Renewable Fuel Sources	0kg	31980000kg

ID: E, Location: 72m W, Permit: NP3101SV
Operator: Bioenergy Infrastructure Services Limited
Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
Address: Ince Bio Power Plot 9, Protos Cheshire CH2 4LB
Sector: EfW, Sub-sector: EfW
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nickel	10kg	83.1kg

ID: G, Location: 241m S, Permit: JP3837KT
Operator: CF Fertilisers UK Limited
Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
Sector: Chemicals, Sub-sector: Chemicals
Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - total	10000kg	24000kg

ID: G, Location: 241m S, Permit: JP3837KT
Operator: CF Fertilisers UK Limited
Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
Sector: Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Zinc	100kg	367kg

ID: G, Location: 241m S, Permit: JP3837KT
Operator: CF Fertilisers UK Limited
Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
Sector: Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrous oxide	10000kg	16000kg

ID: G, Location: 241m S, Permit: JP3837KT
Operator: CF Fertilisers UK Limited
Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
Sector: Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	798000kg



ID: G, Location: 241m S, Permit: JP3837KT
Operator: CF Fertilisers UK Limited
Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
Sector Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	375997000kg

ID: G, Location: 241m S, Permit: JP3837KT
Operator: CF Fertilisers UK Limited
Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
Sector Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Copper	20kg	22kg

ID: G, Location: 241m S, Permit: JP3837KT
Operator: CF Fertilisers UK Limited
Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
Sector Chemicals, Sub-sector: Chemicals
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Lead	20kg	Below Reporting Threshold
Controlled Waters	Mercury	0.1kg	Below Reporting Threshold
Controlled Waters	Nickel	20kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Controlled Waters	Arsenic	5kg	Below Reporting Threshold
Controlled Waters	Cadmium	1kg	Below Reporting Threshold
Controlled Waters	Chromium	20kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Tetrachloroethylene (PER)	100kg	Below Reporting Threshold
Controlled Waters	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Controlled Waters	Phosphorus - as total P	5000kg	Below Reporting Threshold
Controlled Waters	Total organic carbon (TOC)	50000kg	Below Reporting Threshold

ID: G, Location: 241m S, Permit: JP3837KT
 Operator: CF Fertilisers UK Limited
 Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
 Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	650000kg

ID: G, Location: 241m S, Permit: JP3837KT
 Operator: CF Fertilisers UK Limited
 Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
 Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon monoxide	100000kg	385000kg

ID: G, Location: 241m S, Permit: JP3837KT
 Operator: CF Fertilisers UK Limited
 Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
 Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrogen oxides (NO and NO ₂) as NO ₂	100000kg	351000kg



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

4.20 Pollution inventory waste transfers

Records within 500m

2

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

Features are displayed on the Current industrial land use map on [page 31 >](#)

ID: E, Location: 72m W, Permit: NP3101SV
 Operator: Bioenergy Infrastructure Services Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: Ince Bio Power Plot 9, Protos Cheshire CH2 4LB
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2947.38	absolute value	19 12 07	wood other than that mentioned in 19 12 06	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	41.75	absolute value	20 03 01	mixed municipal waste	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	204.72	absolute value	20 03 04	septic tank sludge	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	341.56	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	1630.96	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	10.54	absolute value	19 12 02	ferrous metal	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	10.58	absolute value	19 12 03	non-ferrous metal	No
R4	Recycling/reclamation of metals and metal compounds	8.18	absolute value	20 01 40	metals	No
D1	Deposit into or onto land (eg landfill, etc.)	691.78	absolute value	19 01 13	fly ash containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	1487.5	absolute value	19 01 11	bottom ash and slag containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	15.48	absolute value	16 11 03	other linings and refractories from metallurgical processes containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	2.26	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	1365.12	absolute value	19 01 07	solid wastes from gas treatment	Yes



ID: G, Location: 241m S, Permit: JP3837KT
 Operator: CF Fertilisers UK Limited
 Activity: CHEMICAL FERTILISERS; PRODUCING ETC PHOSPHOROUS, NITROGEN OR POTASSIUM BASED FERTILISERS ETC
 Address: Ince Fertiliser Manufacturing Site Kemira Road Ince Chester Cheshire CH2 4LB
 Sector: Chemicals, Sub-sector: Chemicals
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.85	absolute value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D1	Deposit into or onto land (eg landfill, etc.)	29.62	absolute value	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	No
D1	Deposit into or onto land (eg landfill, etc.)	3.4	absolute value	01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07	No
D4	Surface impoundment (eg placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)	23.2	absolute value	02 03 04	materials unsuitable for consumption or processing	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	1447.5	absolute value	06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02	No
R9	Oil e-refining or other reuses of oil	24.32	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	150.2	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	7.1	absolute value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D1	Deposit into or onto land (eg landfill, etc.)	2.84	absolute value	19 12 04	plastic and rubber	No
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	3.08	absolute value	19 12 04	plastic and rubber	No
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	2	absolute value	20 01 01	paper and cardboard	No
R1	Use principally as a fuel or other means to generate energy	70.2	absolute value	20 01 38	wood other than that mentioned in 20 01 37	No
R4	Recycling/reclamation of metals and metal compounds	2.24	absolute value	20 01 38	wood other than that mentioned in 20 01 37	No
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	5.212	absolute value	20 01 38	wood other than that mentioned in 20 01 37	No
R4	Recycling/reclamation of metals and metal compounds	235.2	absolute value	20 01 40	metals	No
D1	Deposit into or onto land (eg landfill, etc.)	4.64	absolute value	20 02 01	biodegradable waste	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	0.42	absolute value	20 02 01	biodegradable waste	No
R12	Exchange of wastes obtained from any of the operations numberd R1 to R11	3.86	absolute value	20 02 01	biodegradable waste	No
D4	Surface impoundment (eg placemcent of liquid or sludgy discards into pits, ponds or lagoons, etc.)	11.358	absolute value	20 02 02	soil and stones	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	0.46	absolute value	20 03 01	mixed municipal waste	No
R4	Recycling/reclamation of metals and metal compounds	0.462	absolute value	20 03 01	mixed municipal waste	No
R12	Exchange of wastes obtained from any of the operations numbered R1 to R11	77.083	absolute value	20 03 01	mixed municipal waste	No
D1	Deposit into or onto land (eg landfill, etc.)	0.69	absolute value	20 03 03	street-cleaning residues	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	13.98	absolute value	20 03 03	street-cleaning residues	No
D4	Surface impoundment (eg placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)	456.246	absolute value	20 03 04	septic tank sludge	No
R10	Land treatment resulting in benefit to agriculture or ecological improvement	72.2	absolute value	20 03 04	septic tank sludge	No
R1	Use principally as a fuel or other means to generate energy	12.64	absolute value	03 01 04	sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.063	absolute value	05 01 06	oily sludges from maintenance operations of the plant or equipment	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.16	absolute value	05 01 06	oily sludges from maintenance operations of the plant or equipment	Yes
R6	Regeneration of acids or bases	26.68	absolute value	06 02 04	sodium and potassium hydroxide	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.086	absolute value	07 01 04	other organic solvents, washing liquids and mother liquors	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.994	absolute value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.254	absolute value	13 02 08	other engine, gear and lubricating oils	Yes
R9	Oil e-refining or other reuses of oil	3.88	absolute value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.68	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.48	absolute value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.54	absolute value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.169	absolute value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	16.88	absolute value	16 03 05	organic wastes containing dangerous substances	Yes



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R6	Regeneration of acids or bases	9.08	absolute value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
R1	Use principally as a fuel or other means to generate energy	3.46	absolute value	17 02 04	glass, plastic and wood containing or contaminated with dangerous substances	Yes
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	15.28	absolute value	17 06 05	construction materials containing asbestos	Yes
R4	Recycling/reclamation of metals and metal compounds	0.28	absolute value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	30.184	absolute value	13 05 07	oily water from oil/water separators	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	7.56	absolute value	16 07 09	wastes containing other dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.22	absolute value	16 08 07	spent catalysts contaminated with dangerous substances	Yes

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

4.21 Pollution inventory radioactive waste

Records within 500m

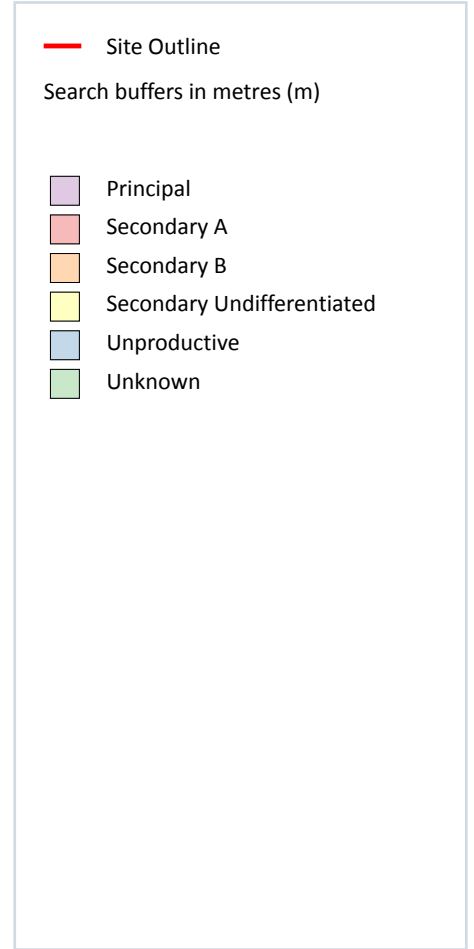
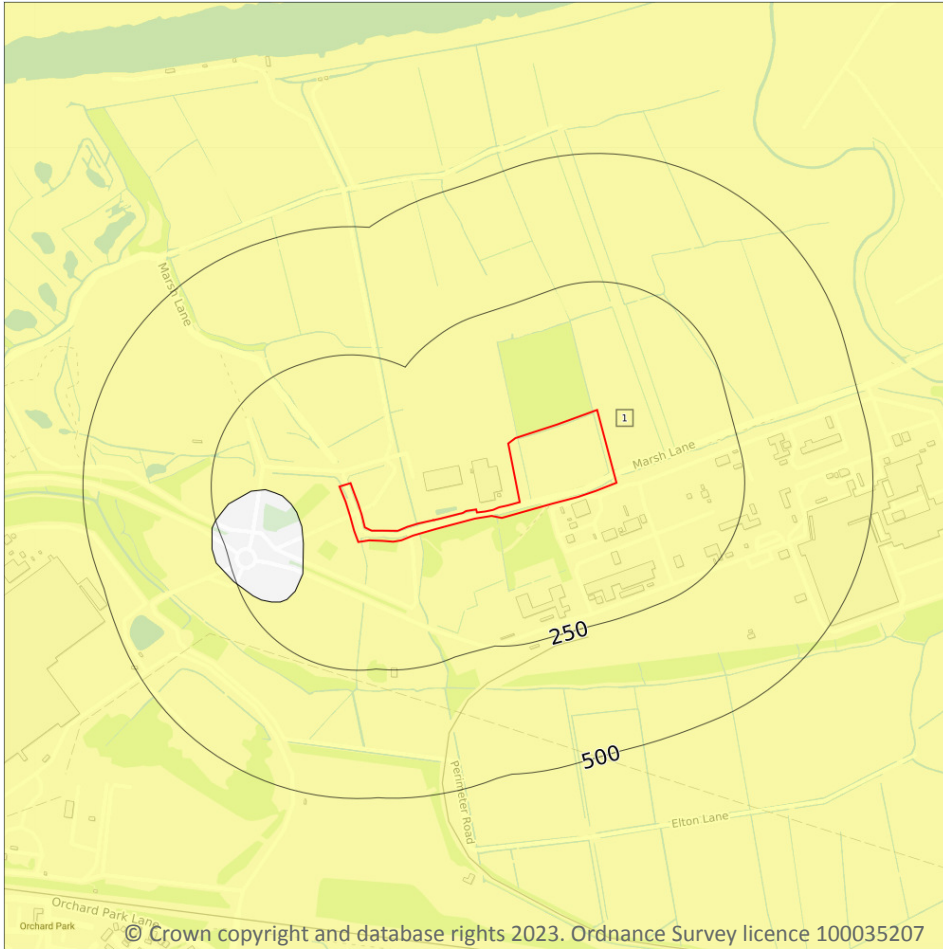
0

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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

1

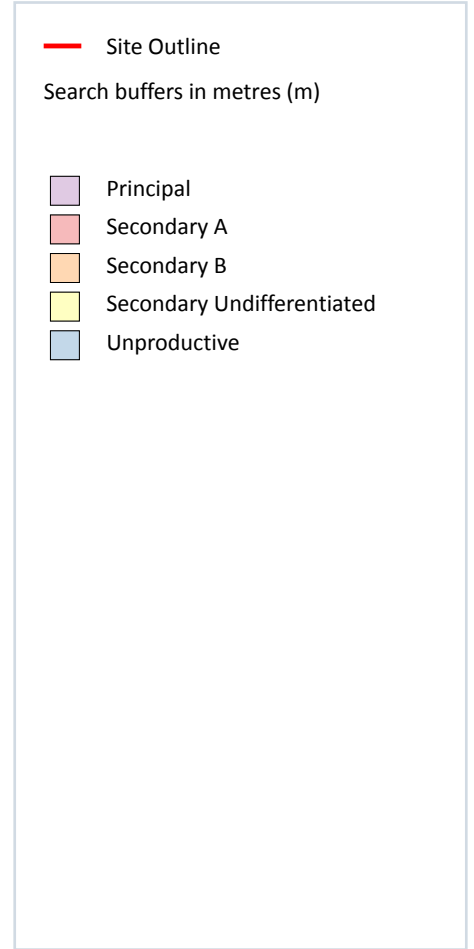
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 65 >](#)

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

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

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

1

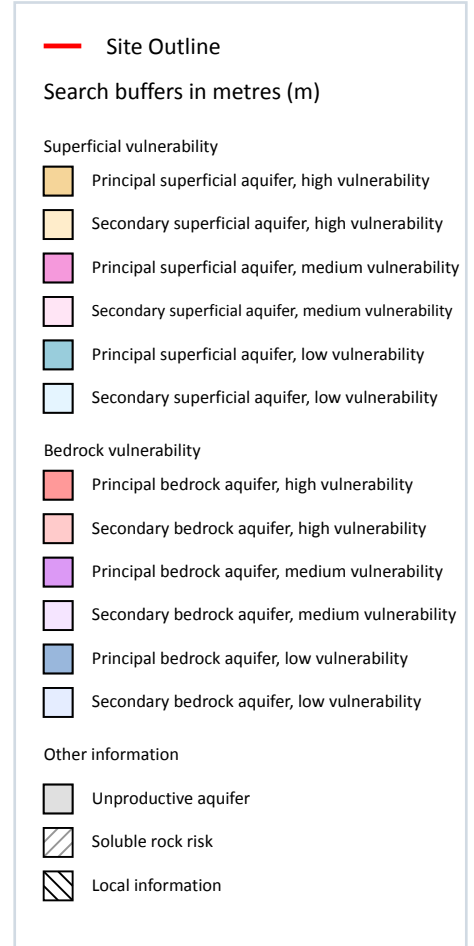
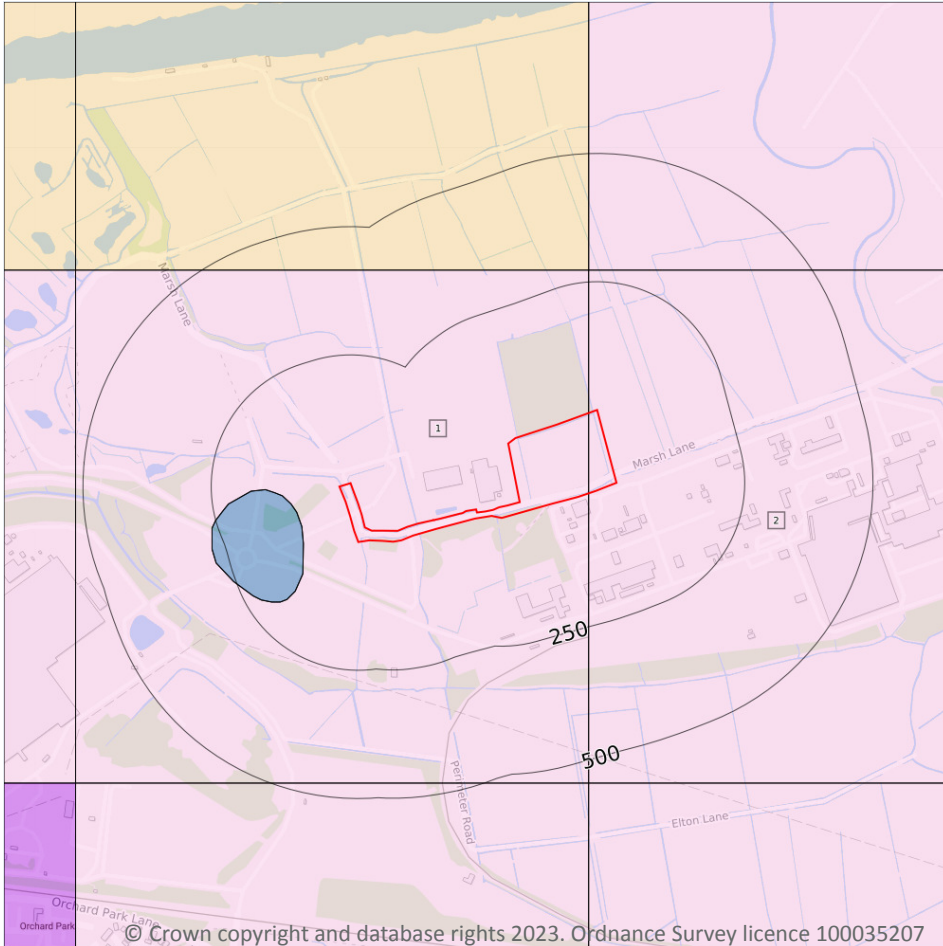
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 66 >](#)

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



5.3 Groundwater vulnerability

Records within 50m

2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 67 >](#)

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed
2	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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

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



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

6

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 69](#) >

ID	Location	Details	
-	1861m SW	Status: Active Licence No: NW/068/0006/012 Details: Boiler Feed Direct Source: Ground Water - North West Region Point: B/HOLE NO 7 AT THORNTON-LE-MOORS & STANLOW, ELLESMERE PORT Data Type: Point Name: University of Chester Easting: 344954 Northing: 375514	Annual Volume (m ³): 955636 Max Daily Volume (m ³): 2618.2 Original Application No: NPS/WR/015641 Original Start Date: 13/01/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/04/2014 Version End Date: -
-	1861m SW	Status: Active Licence No: NW/068/0006/012 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: B/HOLE NO 7 AT THORNTON-LE-MOORS & STANLOW, ELLESMERE PORT Data Type: Point Name: University of Chester Easting: 344954 Northing: 375514	Annual Volume (m ³): 955636 Max Daily Volume (m ³): 2618.2 Original Application No: NPS/WR/015641 Original Start Date: 13/01/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/04/2014 Version End Date: -
-	1861m SW	Status: Active Licence No: NW/068/0006/012 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: B/HOLE NO 7 AT THORNTON-LE-MOORS & STANLOW, ELLESMERE PORT Data Type: Point Name: University of Chester Easting: 344954 Northing: 375514	Annual Volume (m ³): 955636 Max Daily Volume (m ³): 2618.2 Original Application No: NPS/WR/015641 Original Start Date: 13/01/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/04/2014 Version End Date: -
-	1861m SW	Status: Active Licence No: NW/068/0006/012 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: B/HOLE NO 7 AT THORNTON-LE-MOORS & STANLOW, ELLESMERE PORT Data Type: Point Name: University of Chester Easting: 344954 Northing: 375514	Annual Volume (m ³): 955636 Max Daily Volume (m ³): 2618.2 Original Application No: NPS/WR/015641 Original Start Date: 13/01/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/04/2014 Version End Date: -



ID	Location	Details	
-	1861m SW	Status: Active Licence No: NW/068/0006/012 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: B/HOLE NO 7 AT THORNTON-LE-MOORS & STANLOW, ELLESMERE PORT Data Type: Point Name: University of Chester Easting: 344954 Northing: 375514	Annual Volume (m ³): 955636 Max Daily Volume (m ³): 2618.2 Original Application No: NPS/WR/015641 Original Start Date: 13/01/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/04/2014 Version End Date: -
-	1861m SW	Status: Active Licence No: NW/068/0006/012 Details: Process Water Direct Source: Ground Water - North West Region Point: B/HOLE NO 7 AT THORNTON-LE-MOORS & STANLOW, ELLESMERE PORT Data Type: Point Name: University of Chester Easting: 344954 Northing: 375514	Annual Volume (m ³): 955636 Max Daily Volume (m ³): 2618.2 Original Application No: NPS/WR/015641 Original Start Date: 13/01/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/04/2014 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

3

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 69 >](#)

ID	Location	Details	
A	849m NW	Status: Historical Licence No: NW/068/0009/001 Details: Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL, INCE Data Type: Point Name: Covanta Energy Limited Easting: 346369 Northing: 377418	Annual Volume (m ³): 5867448 Max Daily Volume (m ³): 16076 Original Application No: - Original Start Date: 24/01/2011 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 06/06/2011 Version End Date: -



ID	Location	Details	
A	849m NW	Status: Historical Licence No: NW/068/0009/001 Details: Non-Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL, INCE Data Type: Point Name: Covanta Energy Limited Easting: 346369 Northing: 377418	Annual Volume (m ³): 5867448 Max Daily Volume (m ³): 16076 Original Application No: - Original Start Date: 24/01/2011 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 06/06/2011 Version End Date: -
-	1982m W	Status: Historical Licence No: 2568009001 Details: Non-Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL ELLESMERE PORT Data Type: Point Name: Essar Oil (UK) LTD Easting: 344613 Northing: 377138	Annual Volume (m ³): 60000000 Max Daily Volume (m ³): 60000000 Original Application No: NPS/WR/011431 Original Start Date: 14/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 14/09/2012 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

1

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 69 >](#)

ID	Location	Details	
-	1861m SW	Status: Active Licence No: NW/068/0006/012 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: B/HOLE NO 7 AT THORNTON-LE-MOORS & STANLOW, ELLESMERE PORT Data Type: Point Name: University of Chester Easting: 344954 Northing: 375514	Annual Volume (m ³): 955636 Max Daily Volume (m ³): 2618.2 Original Application No: NPS/WR/015641 Original Start Date: 13/01/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/04/2014 Version End Date: -

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



5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

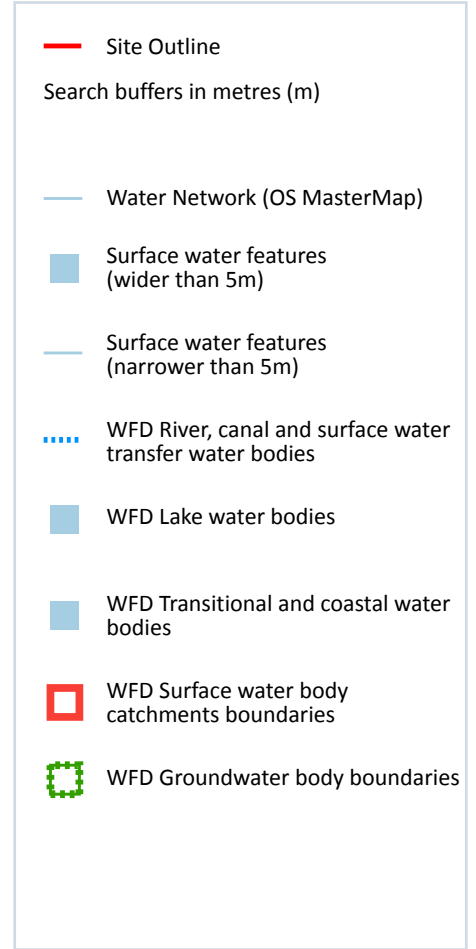
0

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

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



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m **115**

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 74 >](#)

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

ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



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



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



ID	Location	Type of water feature	Ground level	Permanence	Name
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	9m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	9m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	9m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	10m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	10m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	14m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	20m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	46m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	64m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	68m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	78m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
G	78m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	83m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	84m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	91m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	95m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	102m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	105m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	106m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	106m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	106m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	116m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
11	118m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	118m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	118m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	119m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
H	119m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	121m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	130m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	132m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	133m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	133m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	133m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	133m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	134m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	136m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	137m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	139m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	140m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	143m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	144m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	146m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	154m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
12	157m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	157m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	160m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	165m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	168m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	168m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	169m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
13	169m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	169m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	170m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	177m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	177m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	179m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
14	180m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	180m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
15	182m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	182m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
16	187m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	194m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	195m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	207m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	211m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	212m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	213m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	213m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	214m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	217m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	227m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	231m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	237m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

23

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 74 >](#)



This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on [page 74 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
F	On site	River	Peckmill Brook, Hoolpool Gutter at Ince Marshes.	GB112068060330	Gowy	Weaver Gowy

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on [page 74 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	553m NE	River	Peckmill Brook, Hoolpool Gutter at Ince Marshes.	GB112068060330 ↗	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site	1
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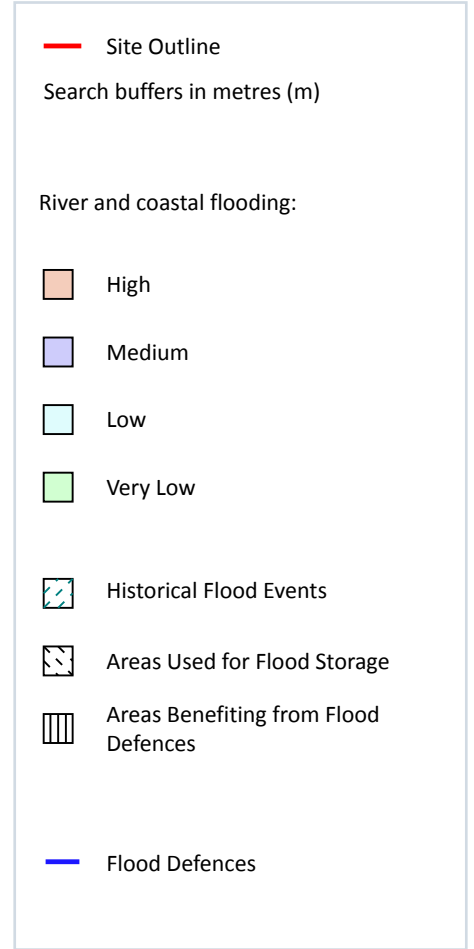
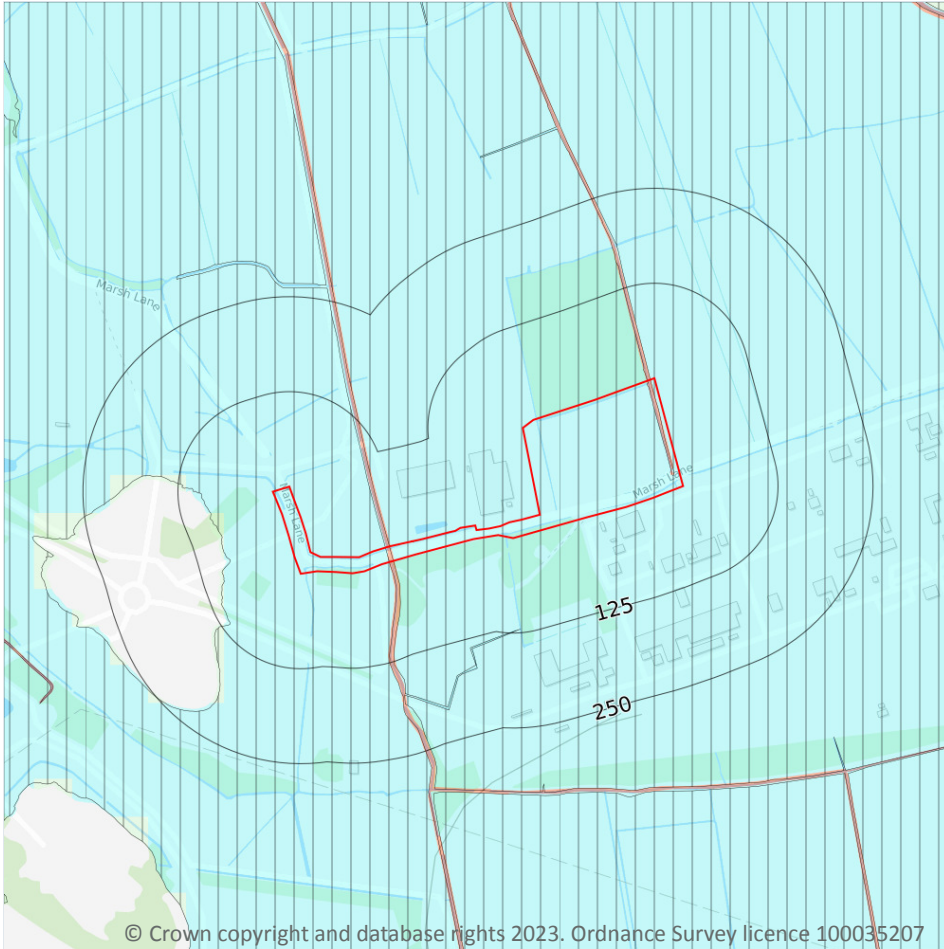
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 74 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
F	On site	Wirral and West Cheshire Permo-Triassic Sandstone Aquifers	GB41101G202600 ↗	Poor	Poor	Good	2019

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

7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

3

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

Features are displayed on the River and coastal flooding map on [page 86 >](#)

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

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

7.2 Historical Flood Events

Records within 250m	0
----------------------------	----------

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

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

7.3 Flood Defences

Records within 250m	0
----------------------------	----------

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	2
----------------------------	----------

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.

Features are displayed on the River and coastal flooding map on [page 86 >](#)

ID	Location	
A	On site	Area benefiting from flood defences
B	On site	Area benefiting from flood defences

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



7.5 Flood Storage Areas

Records within 250m

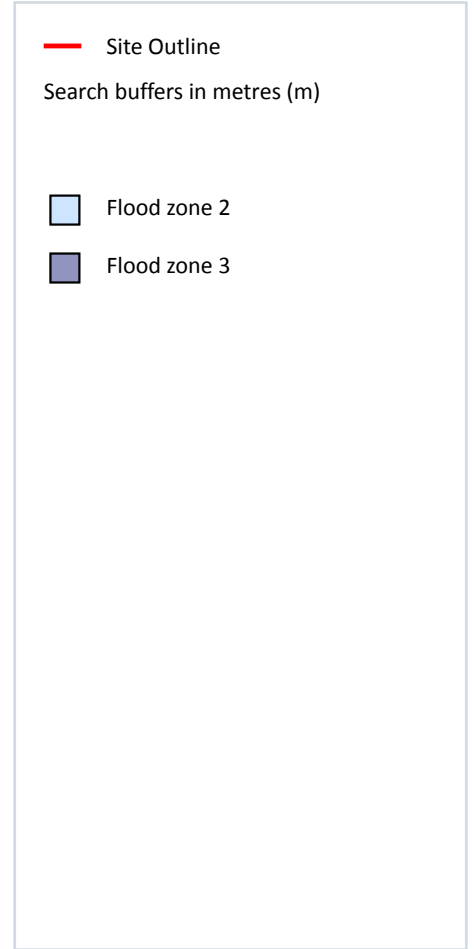
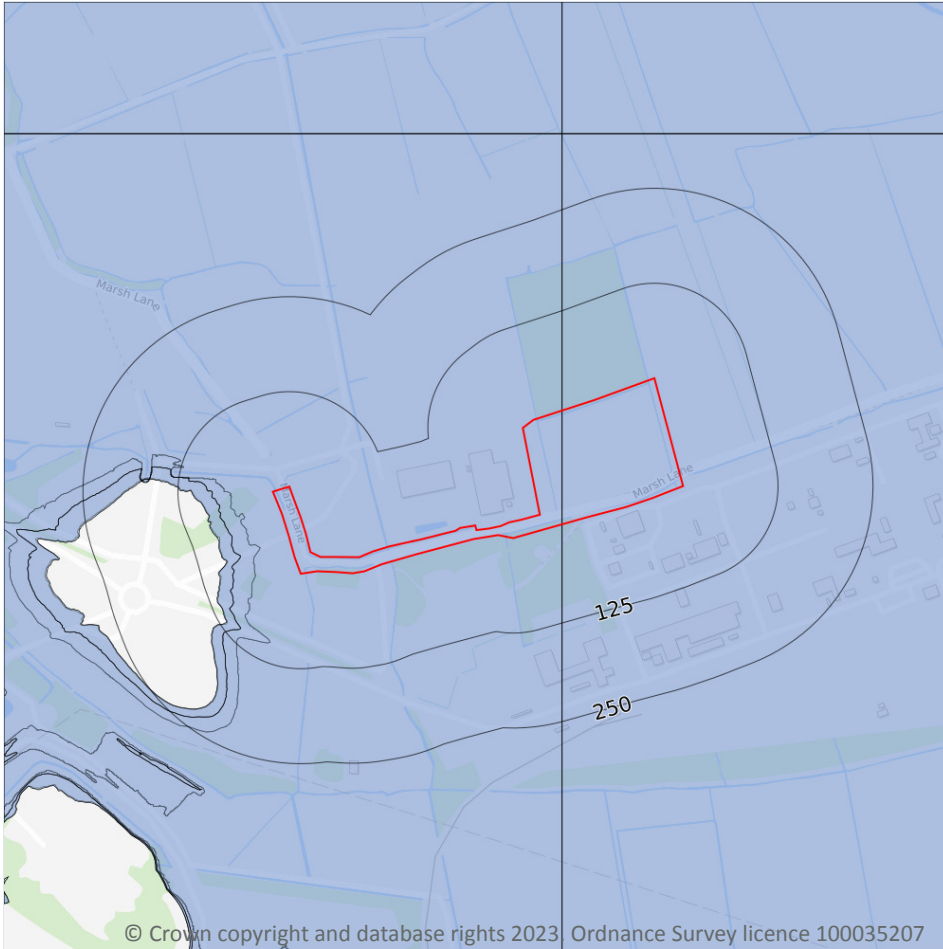
0

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

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



River and coastal flooding - Flood Zones



7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on [page 86 >](#)

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

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

7.7 Flood Zone 3

Records within 50m

1

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

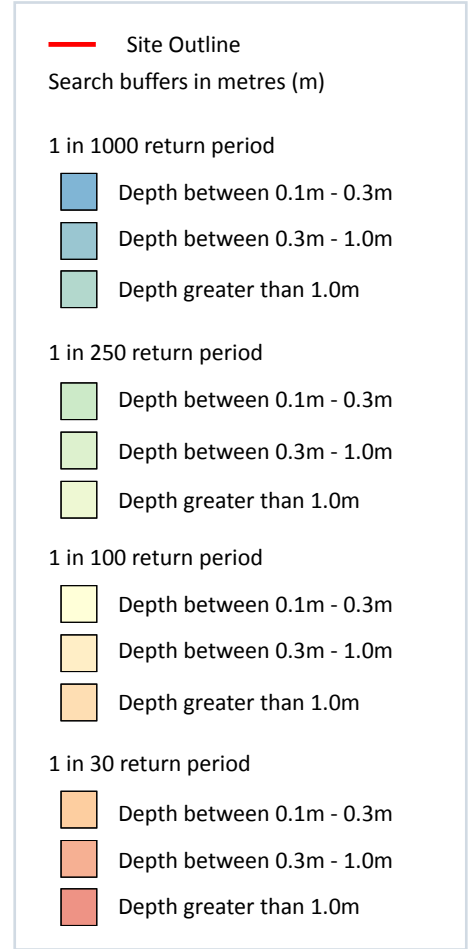
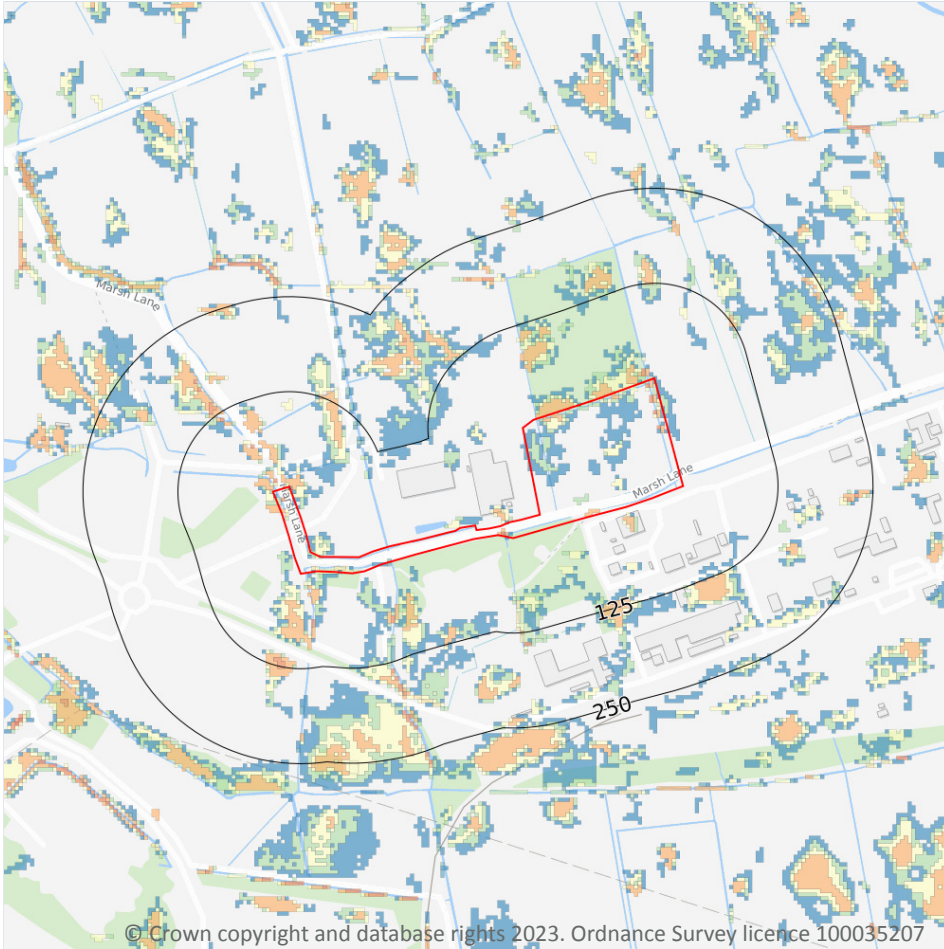
Features are displayed on the River and coastal flooding map on [page 86 >](#)

Location	Type
On site	Zone 3 - (Fluvial /Tidal Models)

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

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 91 >](#)

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

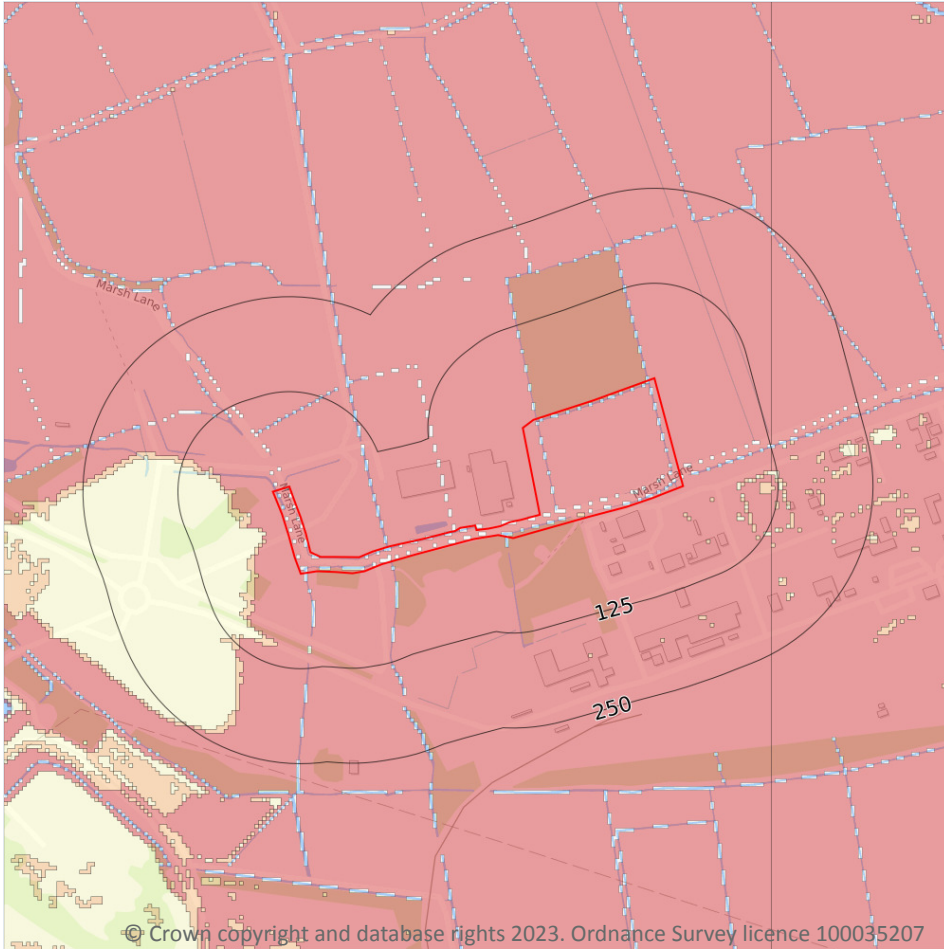
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

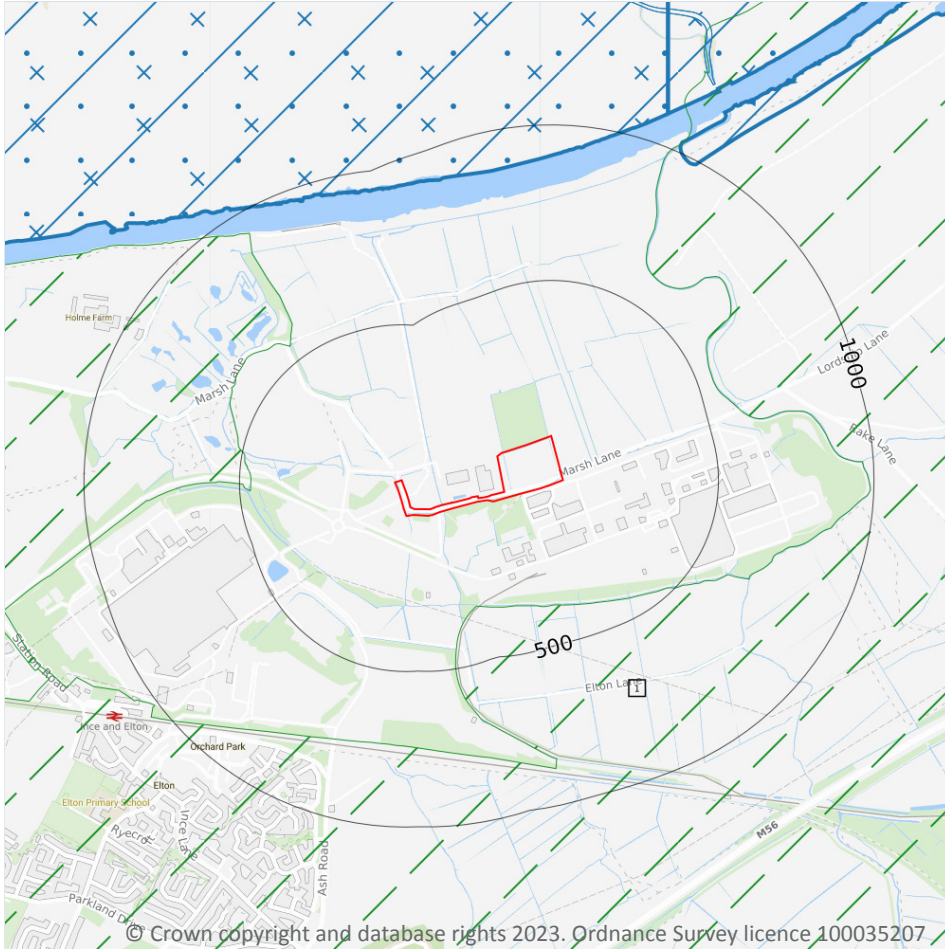
High

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 93 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- × Conserved wetland sites (Ramsar sites)
- Special Protection Areas (SPA)
- Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

3

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

Features are displayed on the Environmental designations map on [page 94](#) >

ID	Location	Name	Data source
2	874m N	Mersey Estuary	Natural England



ID	Location	Name	Data source
5	984m NE	Mersey Estuary	Natural England
6	1102m NE	Mersey Estuary	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

1

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.

Features are displayed on the Environmental designations map on [page 94 >](#)

ID	Location	Site	Details
3	873m N	Name: Mersey Estuary Site status: Listed Data source: Natural England	Overview: The Mersey is a large, sheltered estuary which comprises large areas of saltmarsh and extensive intertidal sand and mudflats, with limited areas of brackish marsh, rocky shoreline and boulder clay cliffs, within a rural and industrial environment. The intertidal flats and saltmarshes provide feeding and roosting sites for large and internationally important populations of waterfowl. During the winter, the site is of major importance for duck and waders. The site is also important during spring and autumn migration periods, particularly for wader populations moving along the west coast of Britain. Ramsar criteria: -

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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



10.4 Special Protection Areas (SPA)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on [page 94](#) >

ID	Location	Name	Species of interest	Habitat description	Data source
4	874m N	Mersey Estuary	Great crested grebe; Common shelduck; Eurasian wigeon; Eurasian teal; Northern pintail; Ringed plover; European golden plover; Grey plover; Northern lapwing; Eurasian curlew; Common redshank; Common redshank; Black-tailed godwit; Dunlin	Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes	Natural England
-	1678m W	Mersey Estuary	Great crested grebe; Common shelduck; Eurasian wigeon; Eurasian teal; Northern pintail; Ringed plover; European golden plover; Grey plover; Northern lapwing; Eurasian curlew; Common redshank; Common redshank; Black-tailed godwit; Dunlin	Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Salt marshes, Salt pastures, Salt steppes	Natural England

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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



10.7 Designated Ancient Woodland

Records within 2000m

0

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

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 94 >](#)



ID	Location	Name	Local Authority name
1	323m S	Merseyside and Greater Manchester	Cheshire West and Chester

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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



Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

4

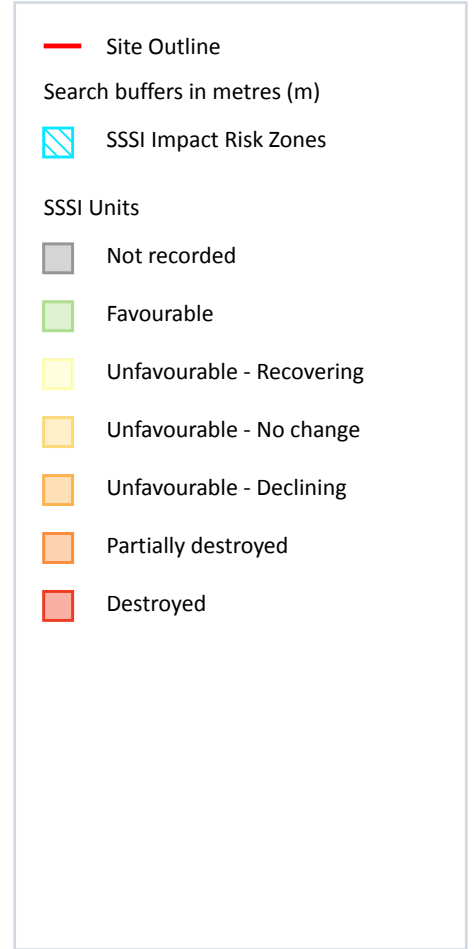
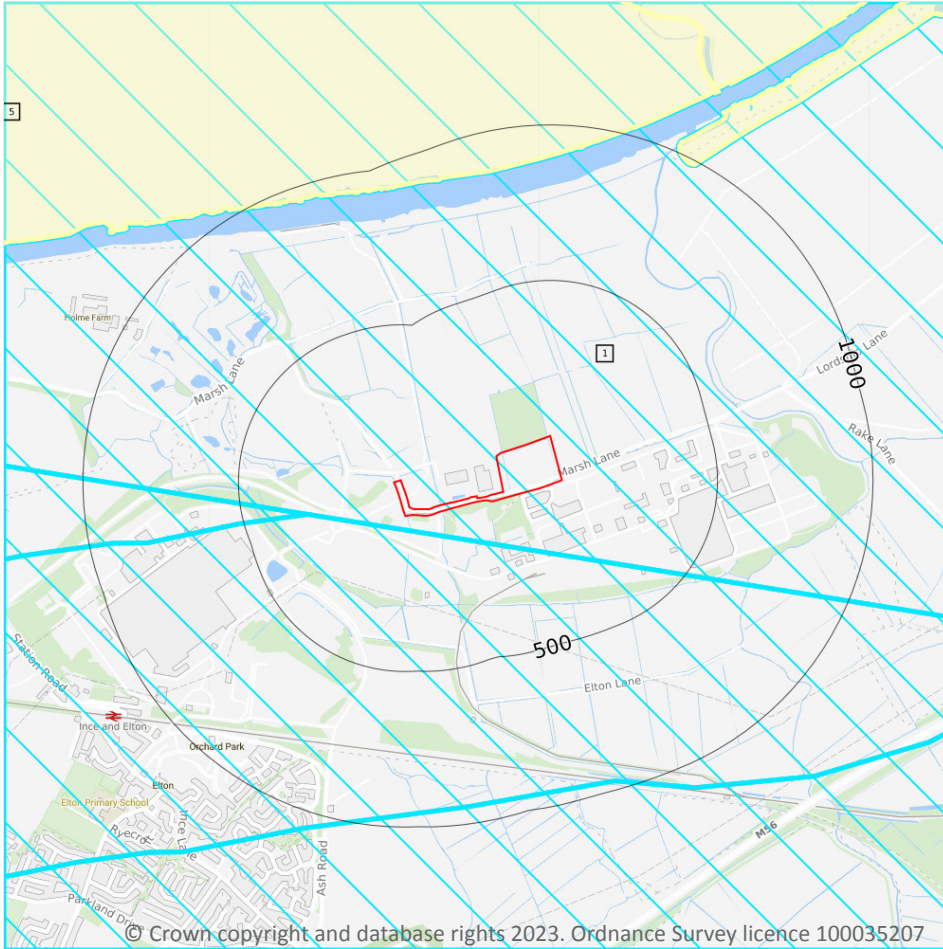
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Peckmill Brook, Hoolpool Gutter at Ince Marshes. NVZ	Surface Water	635	Existing
488m SW	Peckmill Brook, Hoolpool Gutter at Ince Marshes. NVZ	Surface Water	635	Existing
1241m SW	River Gowy (Milton Brook to Mersey) NVZ	Surface Water	629	Existing
1477m W	River Gowy (Milton Brook to Mersey) NVZ	Surface Water	629	Existing

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 100](#) >

ID	Location	Type of developments requiring consultation
1	On site	All applications - ALL PLANNING APPLICATIONS - EXCEPT HOUSEHOLDER APPLICATIONS. Notes: New residential developments in this area should consider recreational disturbance impacts on the coastal designated sites. Please consider this issue in the HRA screening.

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

4

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

Features are displayed on the SSSI Impact Zones and Units map on [page 100 >](#)

ID: 5
 Location: 874m N
 SSSI name: Mersey Estuary
 Unit name: Ince Bank Saltmarsh South
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	-	-
Aggregations of non-breeding birds - Curlew, Numenius arquata	Favourable	12/10/2010
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Favourable	12/10/2010
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Unfavourable - Recovering	12/10/2010
Aggregations of non-breeding birds - Pintail, Anas acuta	Unfavourable - Recovering	12/10/2010
Aggregations of non-breeding birds - Redshank, Tringa totanus	Favourable	12/10/2010
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Favourable	12/10/2010
Aggregations of non-breeding birds - Teal, Anas crecca	Unfavourable - Recovering	12/10/2010
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Recovering	12/10/2010
Black-tailed godwit, Limosa limosa islandica - A616, nb	-	-
Dunlin, Calidris alpina alpina - A672, nb	-	-
Golden plover, Pluvialis apricaria - A140, nb	-	-
Pintail, Anas acuta - A054, nb	-	-
Redshank, Tringa totanus - A162, nb	-	-
SM4-28 - Saltmarsh	Unfavourable - Recovering	12/10/2010
Shelduck, Tadorna tadorna - A048, nb	-	-
Teal, Anas crecca - A704, nb	-	-



Feature name	Feature condition	Date of assessment
Waterbird assemblage	-	-

ID: 8
Location: 984m NE
SSSI name: Mersey Estuary
Unit name: Frodsham Lagoons
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	-	-
Aggregations of non-breeding birds - Curlew, Numenius arquata	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Pintail, Anas acuta	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Redshank, Tringa totanus	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Teal, Anas crecca	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, Anas penelope	Not Recorded	01/01/1900

ID: 9
Location: 1239m NE
SSSI name: Mersey Estuary
Unit name: Frodsham Score To Runcorn Bridge
Broad habitat: Littoral Sediment
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	-	-
Aggregations of non-breeding birds - Curlew, Numenius arquata	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Golden plover, Pluvialis apricaria	Not Recorded	01/01/1900



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Pintail, <i>Anas acuta</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Not Recorded	01/01/1900
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	-	-
Pintail, <i>Anas acuta</i> - A054, nb	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	-	-
SM4-28 - Saltmarsh	Not Recorded	01/01/1900
Shelduck, <i>Tadorna tadorna</i> - A048, nb	-	-
Teal, <i>Anas crecca</i> - A704, nb	-	-
Waterbird assemblage	-	-

ID: -
 Location: 1484m N
 SSSI name: Mersey Estuary
 Unit name: Ince Bank Saltmarsh North
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
>20,000 Non-breeding waterbirds	Unfavourable - Recovering	17/02/2020
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Favourable	17/02/2020
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Favourable	17/02/2020
Aggregations of non-breeding birds - Golden plover, <i>Pluvialis apricaria</i>	Unfavourable - No change	17/02/2020
Aggregations of non-breeding birds - Pintail, <i>Anas acuta</i>	Unfavourable - No change	18/02/2020
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Favourable	24/02/2020
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Favourable	24/02/2020



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Unfavourable - No change	17/02/2020
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - No change	17/02/2020
Black-tailed godwit, <i>Limosa limosa islandica</i> - A616, nb	-	-
Dunlin, <i>Calidris alpina alpina</i> - A672, nb	-	-
Golden plover, <i>Pluvialis apricaria</i> - A140, nb	-	-
Pintail, <i>Anas acuta</i> - A054, nb	-	-
Redshank, <i>Tringa totanus</i> - A162, nb	-	-
SM4-28 - Saltmarsh	Unfavourable - Recovering	12/10/2010
Shelduck, <i>Tadorna tadorna</i> - A048, nb	-	-
Teal, <i>Anas crecca</i> - A704, nb	-	-
Waterbird assemblage	-	-

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

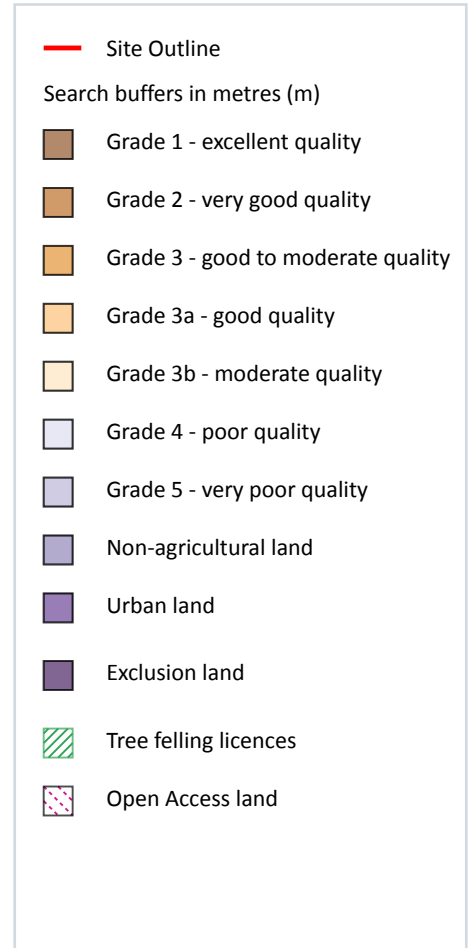
0

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

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



12 Agricultural designations



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12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 107](#) >

ID	Location	Classification	Description
1	On site	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.



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info@groundsure.com

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Date: 21 July 2023

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

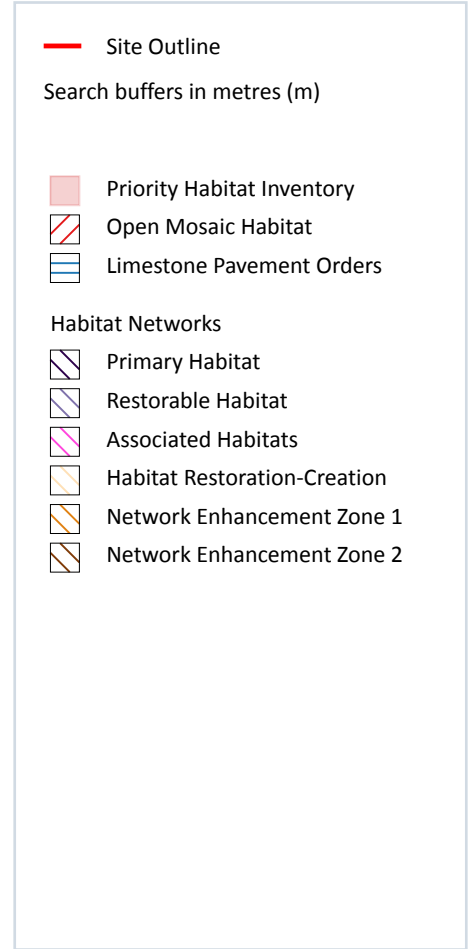
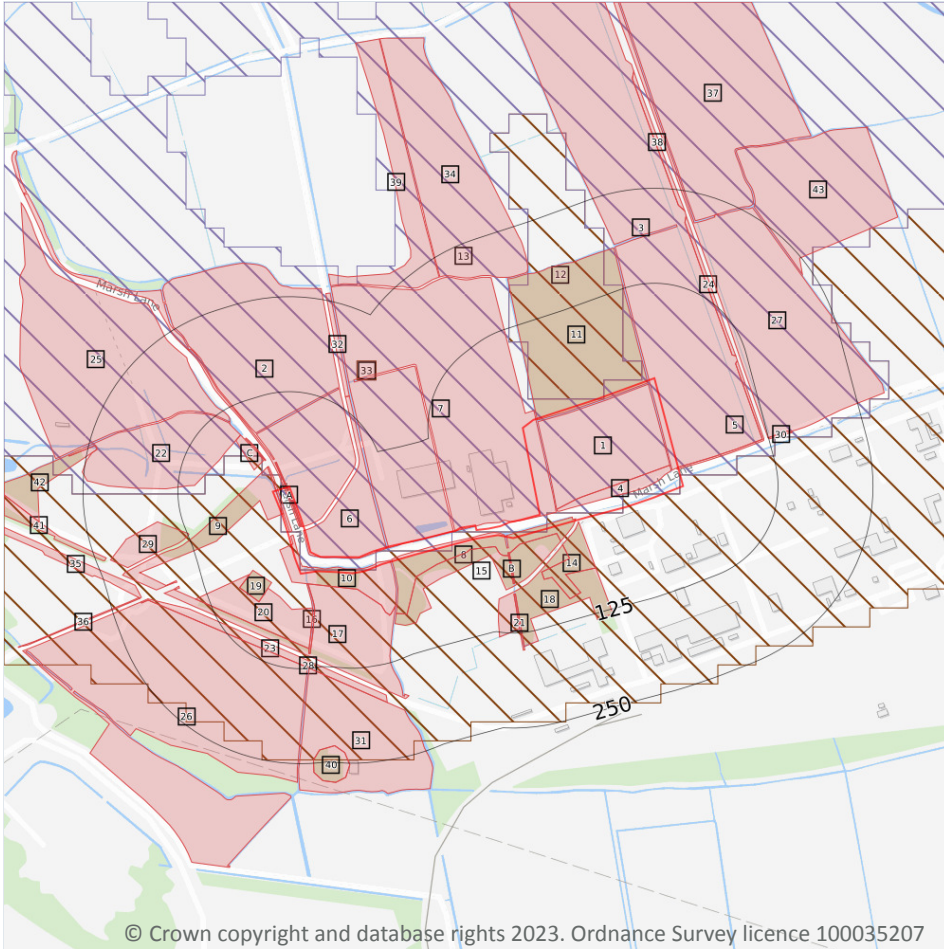
0

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

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

45

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 109 >](#)

ID	Location	Main Habitat	Other habitats
1	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
2	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
3	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
4	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)



ID	Location	Main Habitat	Other habitats
5	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
6	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
7	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
8	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: CFPGM (INV 50%)
A	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
A	On site	Deciduous woodland	Main habitat: CFPGM (INV > 50%); DWOOD (INV > 50%)
14	3m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	10m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	14m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
17	15m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
B	20m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	26m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	38m W	Deciduous woodland	Main habitat: CFPGM (INV > 50%); DWOOD (INV > 50%)
19	40m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
20	41m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
C	42m W	Deciduous woodland	Main habitat: CFPGM (INV > 50%); DWOOD (INV > 50%)
21	74m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	81m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
23	101m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
24	107m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
25	108m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
26	110m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
27	115m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
28	118m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
29	124m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
30	124m E	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
31	125m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
32	140m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
34	187m N	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
35	209m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: CFPGM (INV 50%)
36	211m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
37	214m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
38	224m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
39	225m NW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
40	228m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
41	236m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
42	238m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
43	238m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

4

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 109](#) >

ID	Location	Type	Habitat
12	On site	Network Enhancement Zone 2	Not specified
13	On site	Restorable Habitat	Not specified
B	On site	Network Enhancement Zone 2	Not specified
33	166m NW	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.



13.3 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.

13.4 Limestone Pavement Orders

Records within 250m

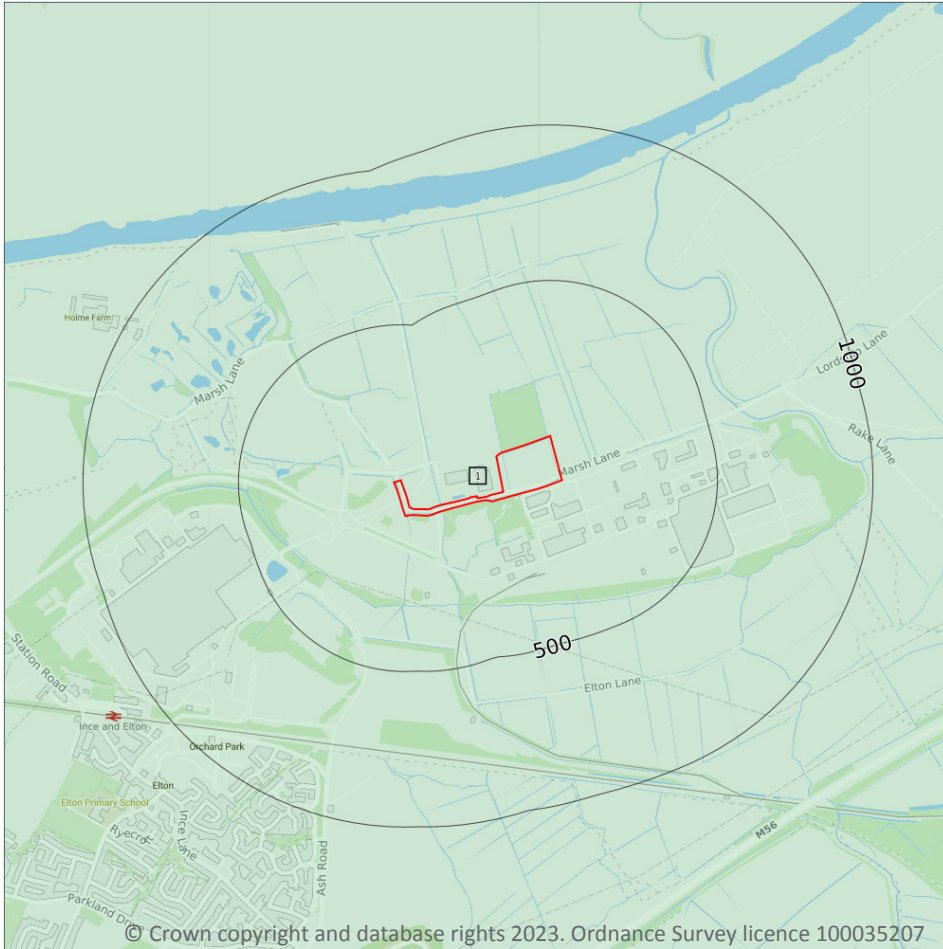
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 113 >](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	SJ47NE

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

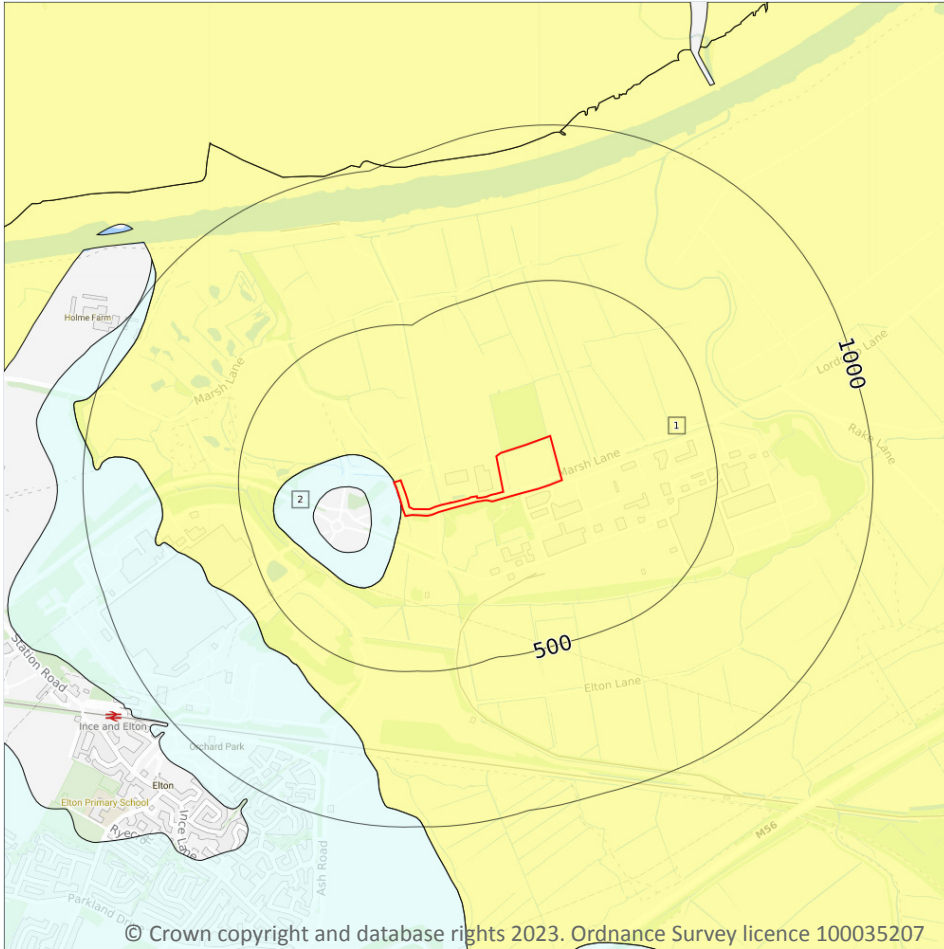
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▣ Landslip (10k)

Superficial geology (10k)

Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

2

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 115 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	TFD-XCZS	Tidal Flat Deposits - Clay, Silt And Sand	Clay, Silt And Sand
2	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

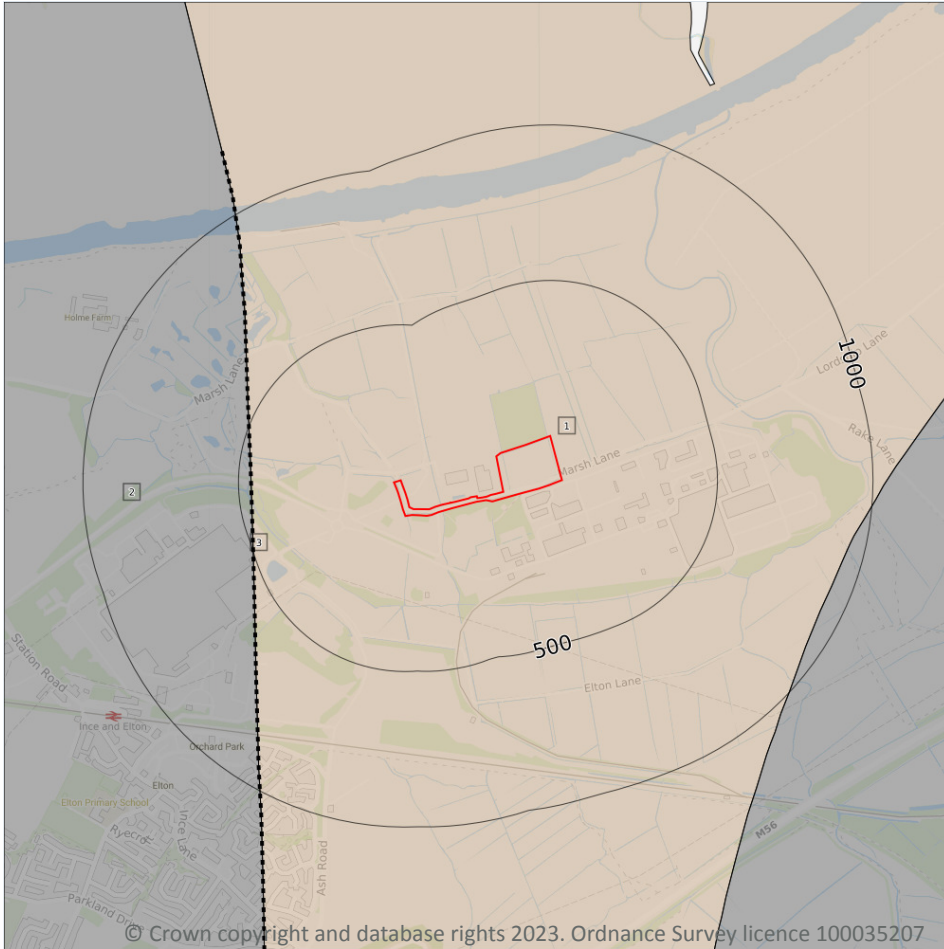
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



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

14.5 Bedrock geology (10k)

Records within 500m

2

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 117](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	KNSF-SDST	Kinnerton Sandstone Formation - Sandstone	Early Triassic Epoch
2	459m W	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 117 >](#)

ID	Location	Category	Description
3	459m W	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 119](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW097_runcorn_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

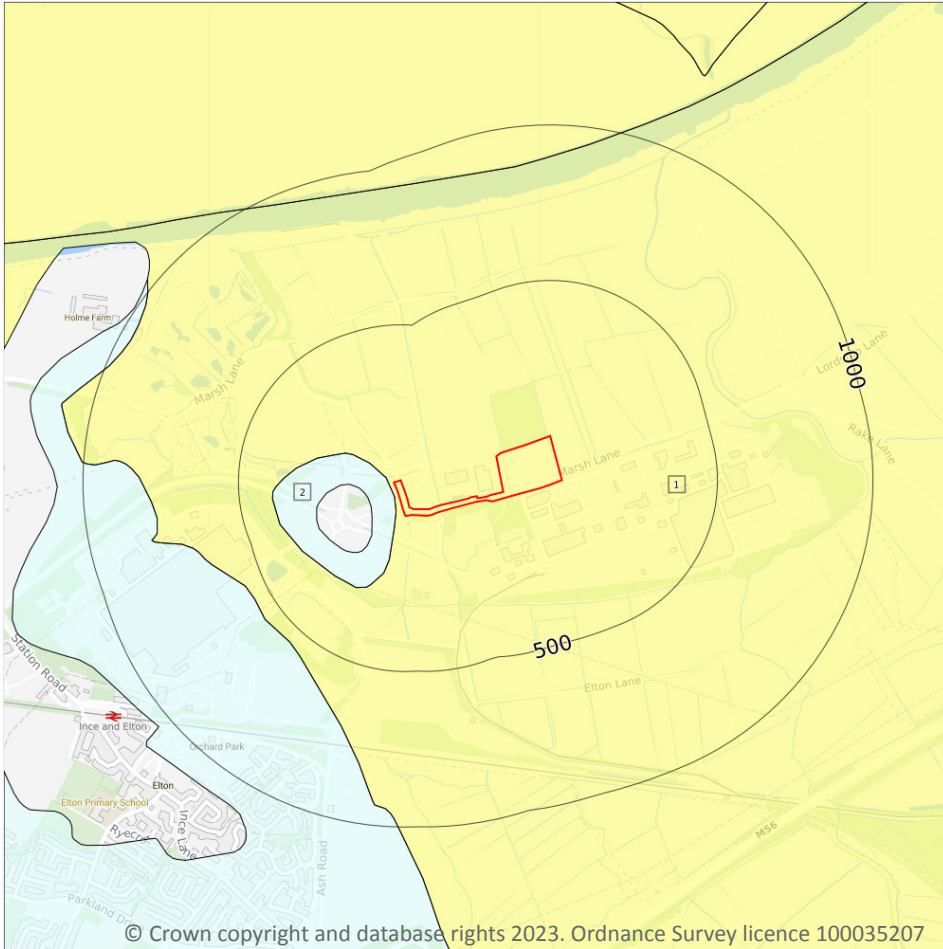
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▣ Landslip (50k)

Superficial geology (50k)

Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 121](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TFD-XCZS	TIDAL FLAT DEPOSITS	CLAY, SILT AND SAND
2	15m W	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

2

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Moderate	Very Low
15m W	Mixed	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

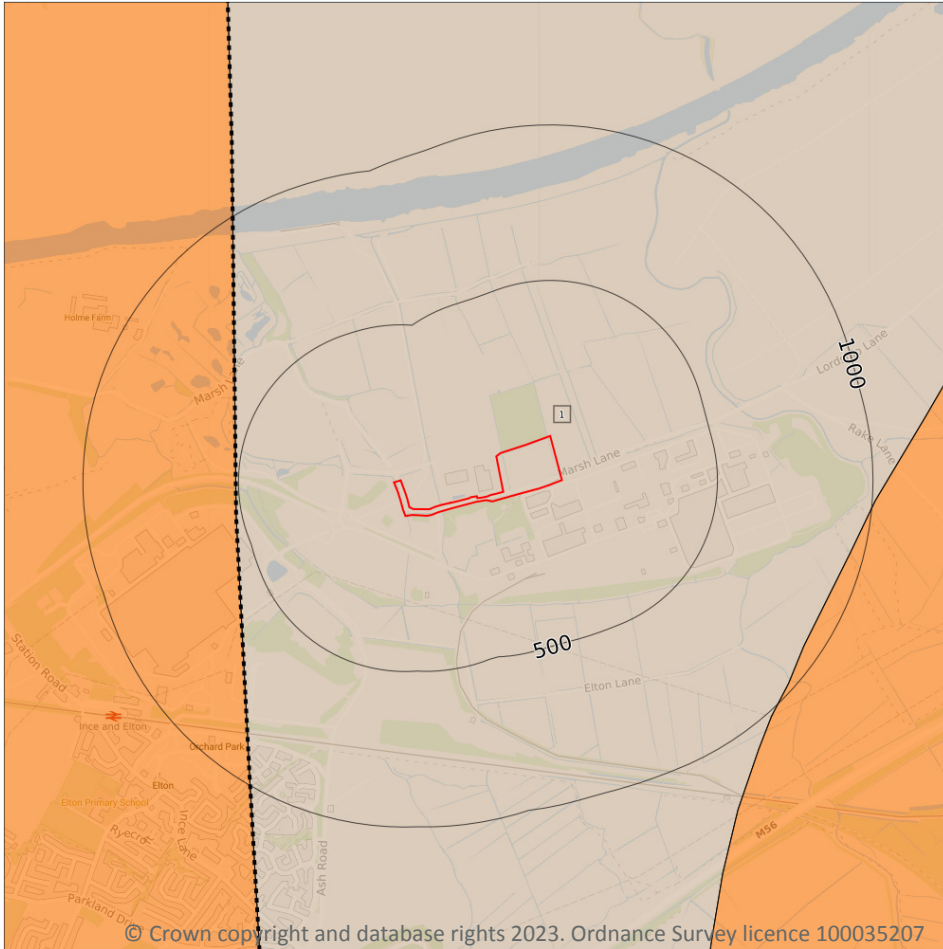
Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



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

15.8 Bedrock geology (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 123](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	KNSF-SDST	KINNERTON SANDSTONE FORMATION - SANDSTONE	-

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

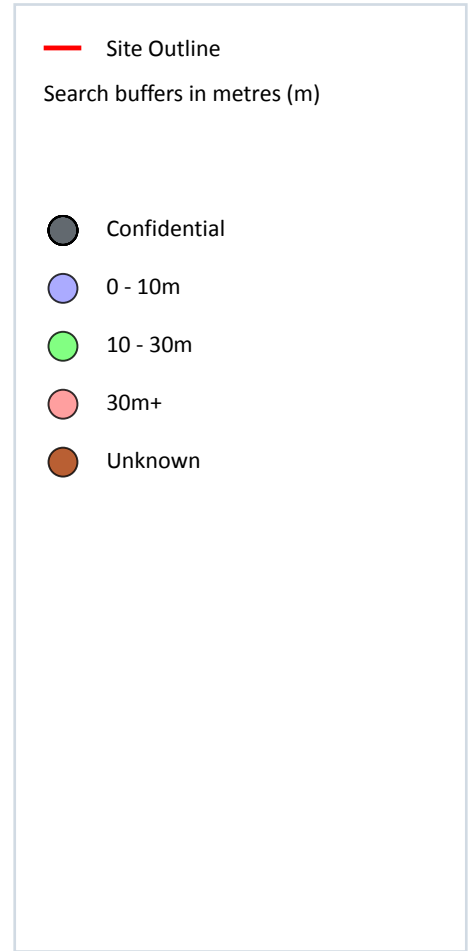
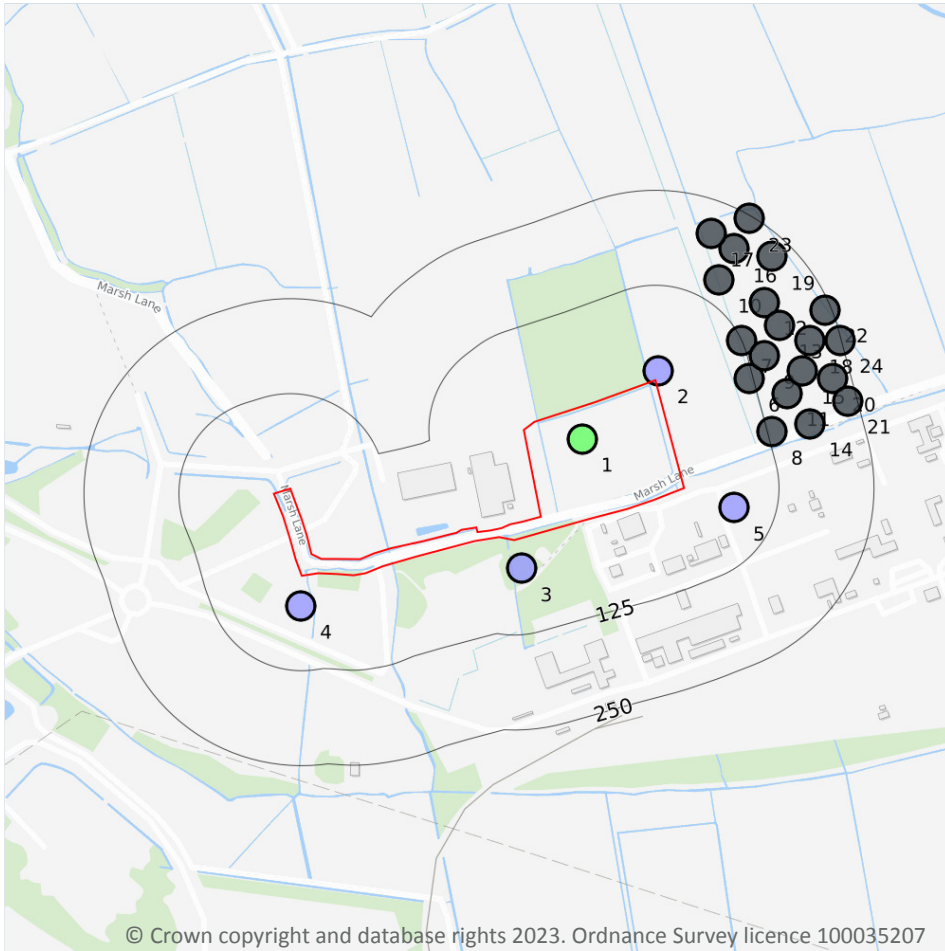
0

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

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

24

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 125 >](#)

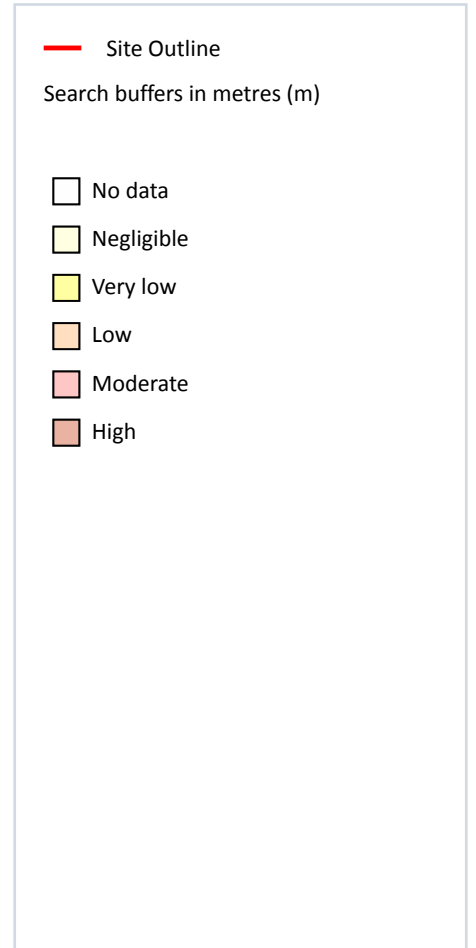
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	346920 376650	U.K.FERTILISERS INCE NO.8	28.2	N	163357 ↗
2	13m NE	347020 376740	INCE 3 RIVER MERSEY	8.7	N	163345 ↗
3	38m S	346840 376480	FRODSHAM NEW RD 4	4.0	N	163263 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	40m SW	346550 376430	FRODSHAM NEW RD 3	4.0	N	163262 ↗
5	71m E	347120 376560	FRODSHAM NEW RD 5	4.0	N	163264 ↗
6	120m NE	347140 376730	PROPOSED CHP PLANT KEMIRA INCE TP10	-	Y	N/A
7	125m NE	347130 376780	PROPOSED CHP PLANT KEMIRA INCE 1	-	Y	N/A
8	131m E	347170 376660	PROPOSED CHP PLANT KEMIRA INCE 4	-	Y	N/A
9	147m NE	347160 376760	PROPOSED CHP PLANT KEMIRA INCE TP8	-	Y	N/A
10	157m NE	347100 376860	PROPOSED CHP PLANT KEMIRA INCE TP4	-	Y	N/A
11	163m E	347190 376710	PROPOSED CHP PLANT KEMIRA INCE TP12	-	Y	N/A
12	176m NE	347160 376830	PROPOSED CHP PLANT KEMIRA INCE TP6	-	Y	N/A
13	179m NE	347180 376800	PROPOSED CHP PLANT KEMIRA INCE TP7	-	Y	N/A
14	182m E	347220 376670	PROPOSED CHP PLANT KEMIRA INCE TP14	-	Y	N/A
15	190m NE	347210 376740	PROPOSED CHP PLANT KEMIRA INCE 3	-	Y	N/A
16	201m NE	347120 376900	PROPOSED CHP PLANT KEMIRA INCE TP3	-	Y	N/A
17	206m NE	347090 376920	PROPOSED CHP PLANT KEMIRA INCE TP1	-	Y	N/A
18	210m NE	347220 376780	PROPOSED CHP PLANT KEMIRA INCE TP9	-	Y	N/A
19	224m NE	347170 376890	PROPOSED CHP PLANT KEMIRA INCE TP5	-	Y	N/A
20	226m E	347250 376730	PROPOSED CHP PLANT KEMIRA INCE TP13	-	Y	N/A
21	238m E	347270 376700	PROPOSED CHP PLANT KEMIRA INCE TP15	-	Y	N/A
22	242m NE	347240 376820	PROPOSED CHP PLANT KEMIRA INCE 2	-	Y	N/A
23	246m NE	347140 376940	PROPOSED CHP PLANT KEMIRA INCE TP2	-	Y	N/A
24	249m NE	347260 376780	PROPOSED CHP PLANT KEMIRA INCE TP11	-	Y	N/A

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

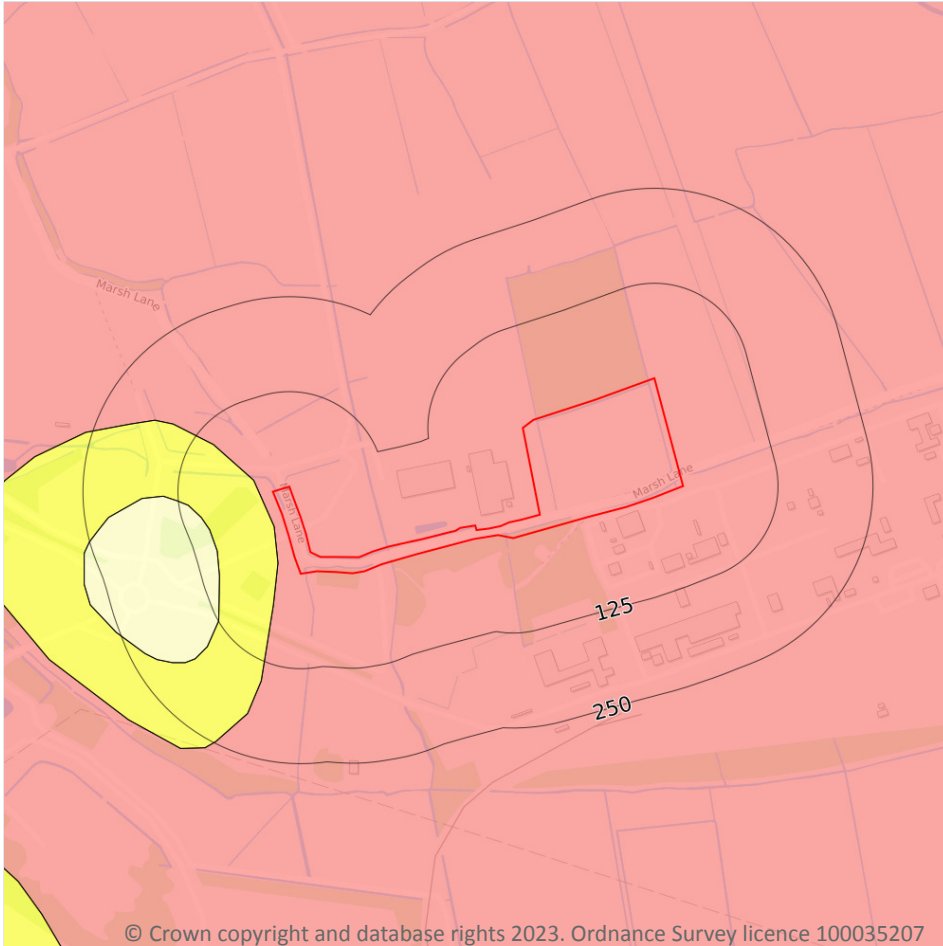
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 127 >](#)

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 128 >](#)

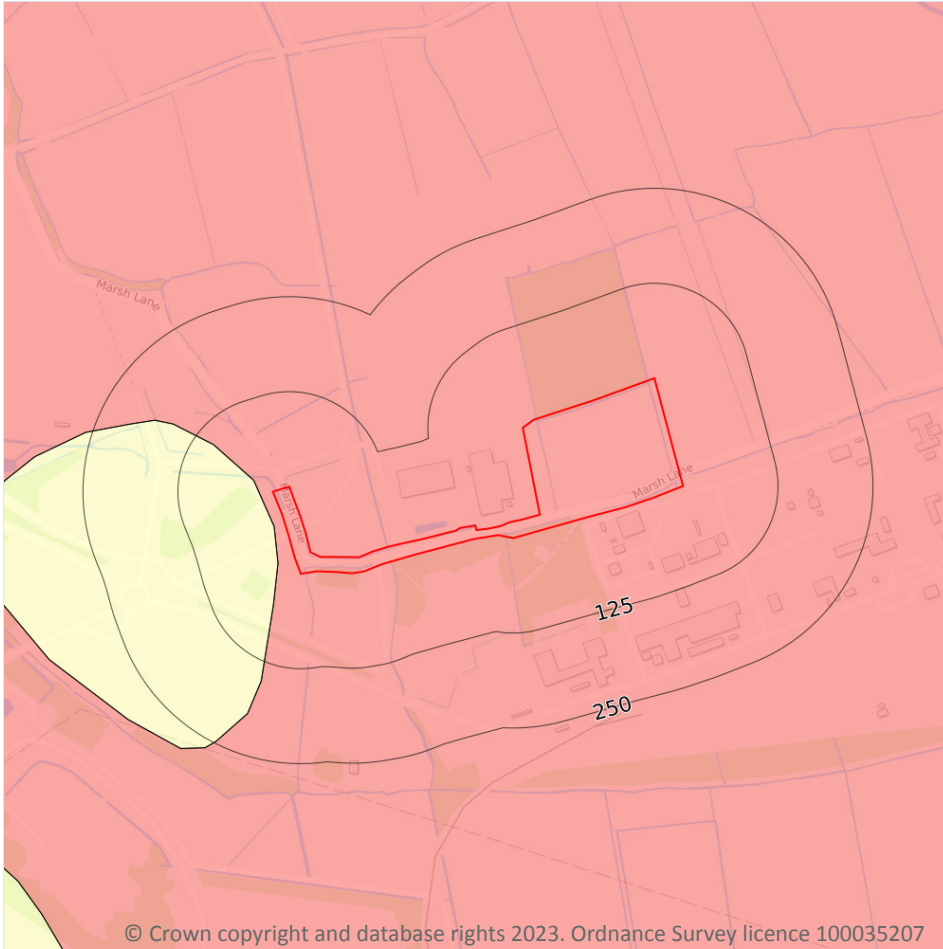
Location	Hazard rating	Details
On site	Moderate	Running sand conditions are probably present. Constraints may apply to land uses involving excavation or the addition or removal of water.

Location	Hazard rating	Details
15m W	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

2

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 130](#) >

Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
15m W	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



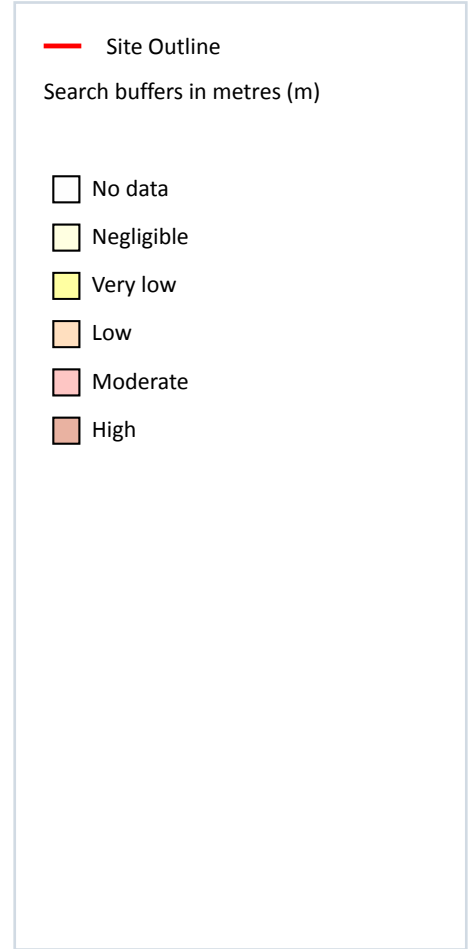
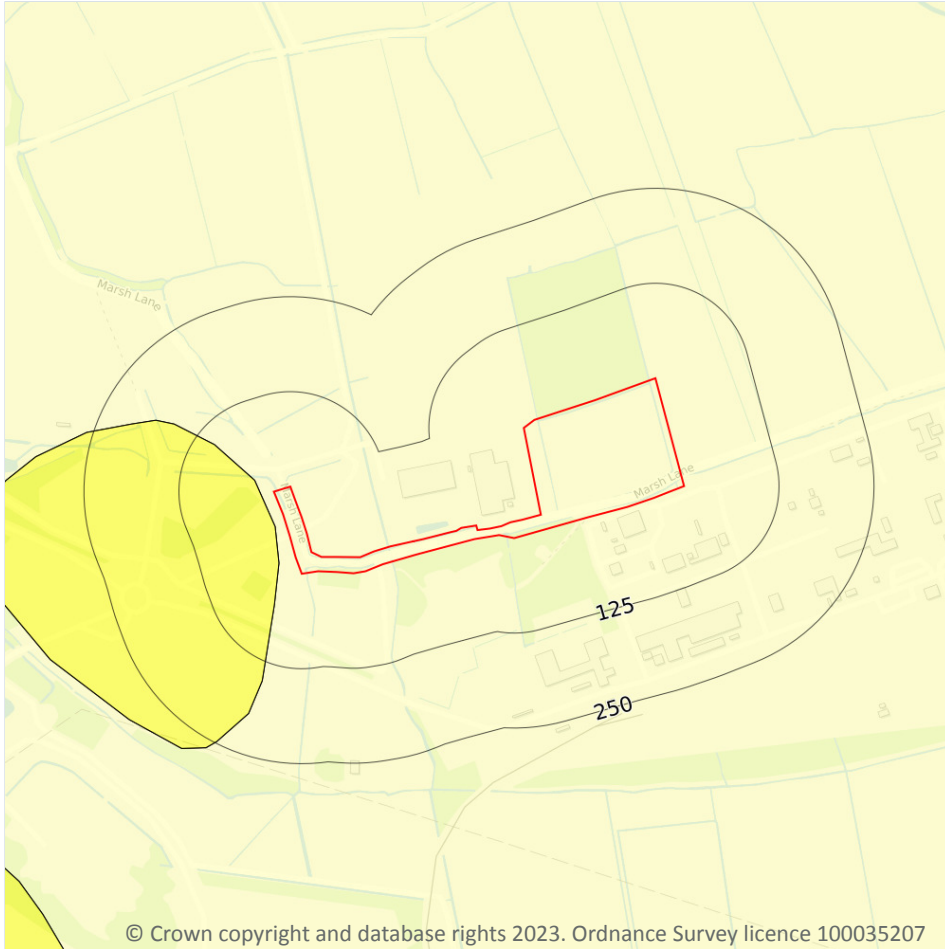
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info@groundsure.com ↗

01273 257 755

Date: 21 July 2023

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 132 >](#)

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
15m W	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



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17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on [page 133](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



— Site Outline
Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 134 >](#)

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

This data is sourced from the British Geological Survey.



Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Date: 21 July 2023

18 Mining and ground workings

18.1 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

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

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



18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site

0

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

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



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

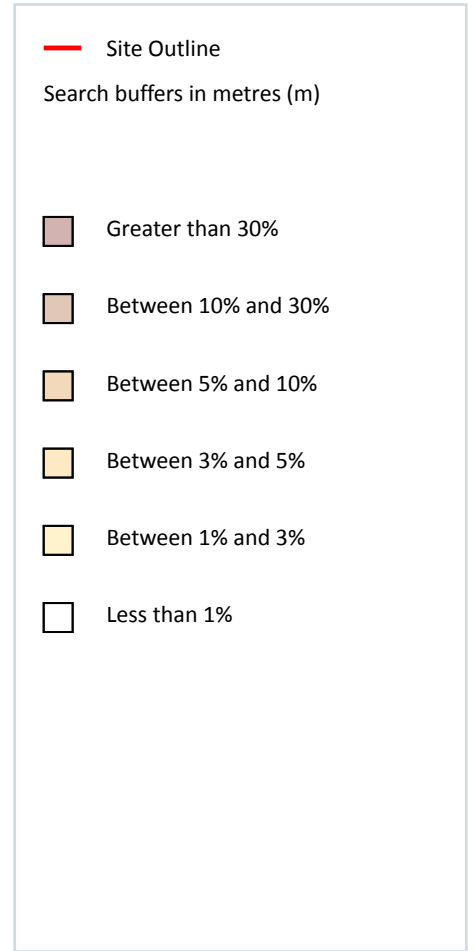
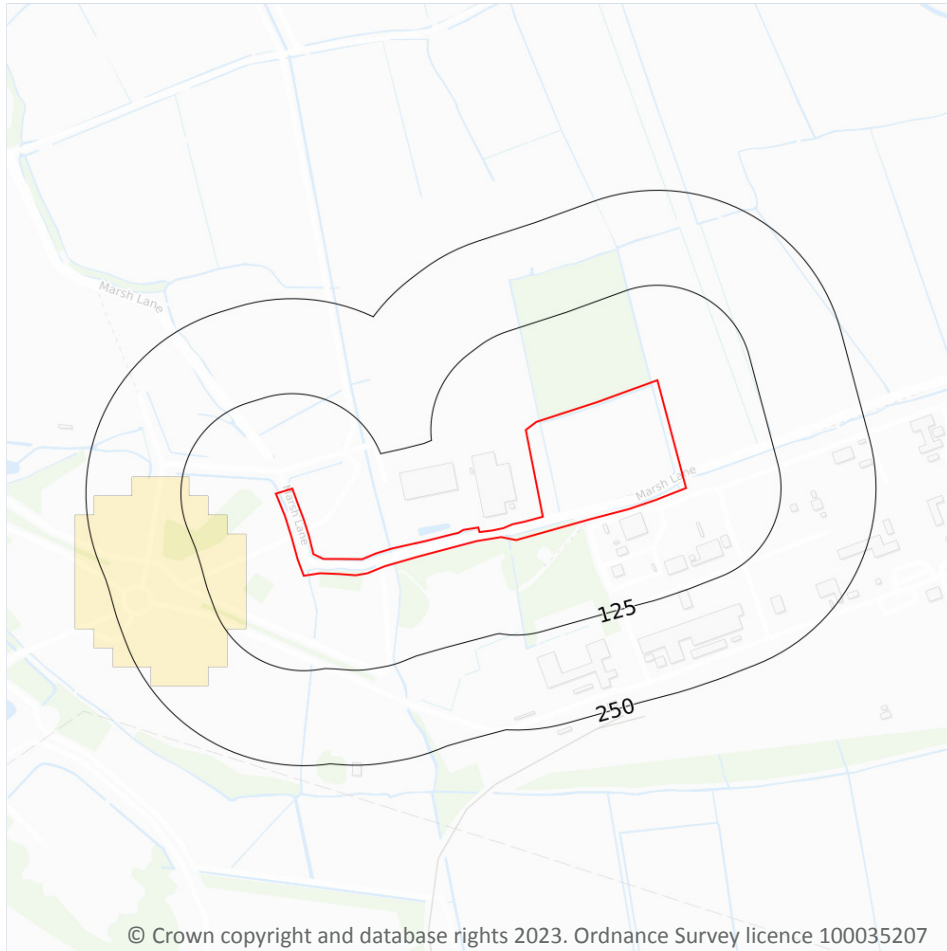
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



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20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 142 >](#)

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

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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

8

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
14m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
15m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
17m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
21m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
39m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21.3 BGS Measured Urban Soil Chemistry

Records within 50m

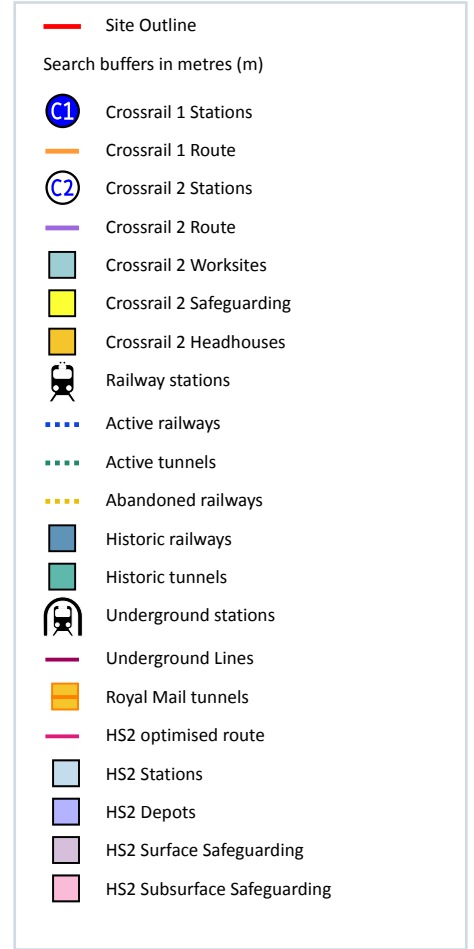
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

5

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

Features are displayed on the Railway infrastructure and projects map on [page 146 >](#)

Location	Land Use	Year of mapping	Mapping scale
222m SE	Railway Sidings	1990	10000
237m S	Railway Sidings	1984	2500
240m SE	Railway Sidings	1984	2500
243m SE	Railway Sidings	1971	2500
244m SE	Railway Sidings	1992	2500

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.



22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

1

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

Features are displayed on the Railway infrastructure and projects map on [page 146 >](#)

Location	Name	Type
247m SE		rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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



is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

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

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