

**UNIT 15 DEESIDE INDUSTRIAL PARK, DROME ROAD, SEALAND, CH5 2NY****Order Details**

**Date:** 30/03/2022  
**Your ref:** K419\_Telecycle\_PO\_1327  
**Our Ref:** GS-8636276  
**Client:** Charles Thomas

**Site Details**

**Location:** 333518 370504  
**Area:** 0.04 ha  
**Authority:** [Sir y Fflint - Flintshire County Council](#)

**Summary of findings**

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**Aerial image**

p. 8

**OS MasterMap site plan**

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08444 159 000

## Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>14</b>	<b>1.1</b>	<b><u>Historical industrial land uses</u></b>	2	0	4	2	-
<b>15</b>	<b>1.2</b>	<b><u>Historical tanks</u></b>	0	0	4	2	-
<b>16</b>	<b>1.3</b>	<b><u>Historical energy features</u></b>	0	0	1	16	-
17	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	0	0	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<b>18</b>	<b>2.1</b>	<b><u>Historical industrial land uses</u></b>	2	0	5	2	-
<b>19</b>	<b>2.2</b>	<b><u>Historical tanks</u></b>	0	0	10	6	-
<b>20</b>	<b>2.3</b>	<b><u>Historical energy features</u></b>	0	0	7	48	-
22	2.4	Historical petrol stations	0	0	0	0	-
22	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
24	3.5	Historical waste sites	0	0	0	0	-
<b>24</b>	<b>3.6</b>	<b><u>Licensed waste sites</u></b>	0	0	0	12	-
<b>27</b>	<b>3.7</b>	<b><u>Waste exemptions</u></b>	0	0	0	31	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>32</b>	<b>4.1</b>	<b><u>Recent industrial land uses</u></b>	0	4	18	-	-
34	4.2	Current or recent petrol stations	0	0	0	0	-
34	4.3	Electricity cables	0	0	0	0	-
34	4.4	Gas pipelines	0	0	0	0	-
34	4.5	Sites determined as Contaminated Land	0	0	0	0	-



35	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
35	4.7	Regulated explosive sites	0	0	0	0	-
35	4.8	Hazardous substance storage/usage	0	0	0	0	-
35	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
35	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
<b>36</b>	<b>4.11</b>	<b><u>Licensed pollutant release (Part A(2)/B)</u></b>	0	0	1	3	-
36	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>37</b>	<b>4.13</b>	<b><u>Licensed Discharges to controlled waters</u></b>	0	0	1	4	-
37	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
38	4.15	Pollutant release to public sewer	0	0	0	0	-
<b>38</b>	<b>4.16</b>	<b><u>List 1 Dangerous Substances</u></b>	0	0	0	1	-
38	4.17	List 2 Dangerous Substances	0	0	0	0	-
<b>38</b>	<b>4.18</b>	<b><u>Pollution Incidents (EA/NRW)</u></b>	0	0	1	7	-
39	4.19	Pollution inventory substances	0	0	0	0	-
40	4.20	Pollution inventory waste transfers	0	0	0	0	-
40	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
<b>41</b>	<b>5.1</b>	<b><u>Superficial aquifer</u></b>	Identified (within 500m)				
<b>43</b>	<b>5.2</b>	<b><u>Bedrock aquifer</u></b>	Identified (within 500m)				
<b>45</b>	<b>5.3</b>	<b><u>Groundwater vulnerability</u></b>	Identified (within 50m)				
46	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
46	5.5	Groundwater vulnerability- local information	None (within 0m)				
<b>47</b>	<b>5.6</b>	<b><u>Groundwater abstractions</u></b>	0	0	0	0	9
<b>49</b>	<b>5.7</b>	<b><u>Surface water abstractions</u></b>	0	0	0	0	5
51	5.8	Potable abstractions	0	0	0	0	0
51	5.9	Source Protection Zones	0	0	0	0	-
51	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
<b>52</b>	<b>6.1</b>	<b><u>Water Network (OS MasterMap)</u></b>	0	0	8	-	-



<b>53</b>	<b><u>6.2</u></b>	<b><u>Surface water features</u></b>	0	0	6	-	-
<b>53</b>	<b><u>6.3</u></b>	<b><u>WFD Surface water body catchments</u></b>	1	-	-	-	-
54	6.4	WFD Surface water bodies	0	0	0	-	-
<b>54</b>	<b><u>6.5</u></b>	<b><u>WFD Groundwater bodies</u></b>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
<b>55</b>	<b><u>7.1</u></b>	<b><u>Risk of flooding from rivers and the sea</u></b>	Low (within 50m)				
<b>56</b>	<b><u>7.2</u></b>	<b><u>Historical Flood Events</u></b>	1	0	1	-	-
56	7.3	Flood Defences	0	0	0	-	-
<b>56</b>	<b><u>7.4</u></b>	<b><u>Areas Benefiting from Flood Defences</u></b>	1	0	2	-	-
57	7.5	Flood Storage Areas	0	0	0	-	-
<b>58</b>	<b><u>7.6</u></b>	<b><u>Flood Zone 2</u></b>	Identified (within 50m)				
<b>59</b>	<b><u>7.7</u></b>	<b><u>Flood Zone 3</u></b>	Identified (within 50m)				
Page	Section	Surface water flooding					
<b>60</b>	<b><u>8.1</u></b>	<b><u>Surface water flooding</u></b>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
<b>62</b>	<b><u>9.1</u></b>	<b><u>Groundwater flooding</u></b>	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
63	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
64	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
64	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
64	10.4	Special Protection Areas (SPA)	0	0	0	0	0
64	10.5	National Nature Reserves (NNR)	0	0	0	0	0
65	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
<b>65</b>	<b><u>10.7</u></b>	<b><u>Designated Ancient Woodland</u></b>	0	0	0	0	2
65	10.8	Biosphere Reserves	0	0	0	0	0
65	10.9	Forest Parks	0	0	0	0	0
66	10.10	Marine Conservation Zones	0	0	0	0	0
<b>66</b>	<b><u>10.11</u></b>	<b><u>Green Belt</u></b>	0	0	0	0	1
66	10.12	Proposed Ramsar sites	0	0	0	0	0

66	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
67	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
67	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<b>67</b>	<b>10.16</b>	<b><u>Nitrate Vulnerable Zones</u></b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>
<b>69</b>	<b>10.17</b>	<b><u>SSSI Impact Risk Zones</u></b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
70	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
71	11.1	World Heritage Sites	0	0	0	-	-
71	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
71	11.3	National Parks	0	0	0	-	-
71	11.4	Listed Buildings	0	0	0	-	-
72	11.5	Conservation Areas	0	0	0	-	-
72	11.6	Scheduled Ancient Monuments	0	0	0	-	-
72	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>73</b>	<b>12.1</b>	<b><u>Agricultural Land Classification</u></b>	<b>Grade 2 (within 250m)</b>				
74	12.2	Open Access Land	0	0	0	-	-
74	12.3	Tree Felling Licences	0	0	0	-	-
74	12.4	Environmental Stewardship Schemes	0	0	0	-	-
74	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
75	13.1	Priority Habitat Inventory	0	0	0	-	-
75	13.2	Habitat Networks	0	0	0	-	-
75	13.3	Open Mosaic Habitat	0	0	0	-	-
75	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
<b>76</b>	<b>14.1</b>	<b><u>10k Availability</u></b>	<b>Identified (within 500m)</b>				
77	14.2	Artificial and made ground (10k)	0	0	0	0	-
78	14.3	Superficial geology (10k)	0	0	0	0	-

78	14.4	Landslip (10k)	0	0	0	0	-
79	14.5	Bedrock geology (10k)	0	0	0	0	-
79	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>80</b>	<b>15.1</b>	<b><u>50k Availability</u></b>	Identified (within 500m)				
<b>81</b>	<b>15.2</b>	<b><u>Artificial and made ground (50k)</u></b>	0	0	2	1	-
82	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<b>83</b>	<b>15.4</b>	<b><u>Superficial geology (50k)</u></b>	1	0	0	0	-
<b>84</b>	<b>15.5</b>	<b><u>Superficial permeability (50k)</u></b>	Identified (within 50m)				
84	15.6	Landslip (50k)	0	0	0	0	-
84	15.7	Landslip permeability (50k)	None (within 50m)				
<b>85</b>	<b>15.8</b>	<b><u>Bedrock geology (50k)</u></b>	1	1	0	0	-
<b>86</b>	<b>15.9</b>	<b><u>Bedrock permeability (50k)</u></b>	Identified (within 50m)				
<b>86</b>	<b>15.10</b>	<b><u>Bedrock faults and other linear features (50k)</u></b>	0	1	1	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<b>87</b>	<b>16.1</b>	<b><u>BGS Boreholes</u></b>	0	0	32	-	-
Page	Section	Natural ground subsidence					
<b>90</b>	<b>17.1</b>	<b><u>Shrink swell clays</u></b>	Very low (within 50m)				
<b>91</b>	<b>17.2</b>	<b><u>Running sands</u></b>	Moderate (within 50m)				
<b>92</b>	<b>17.3</b>	<b><u>Compressible deposits</u></b>	Moderate (within 50m)				
<b>93</b>	<b>17.4</b>	<b><u>Collapsible deposits</u></b>	Negligible (within 50m)				
<b>94</b>	<b>17.5</b>	<b><u>Landslides</u></b>	Very low (within 50m)				
<b>95</b>	<b>17.6</b>	<b><u>Ground dissolution of soluble rocks</u></b>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
96	18.1	Natural cavities	0	0	0	0	-
97	18.2	BritPits	0	0	0	0	-
97	18.3	Surface ground workings	0	0	0	-	-
97	18.4	Underground workings	0	0	0	0	0
97	18.5	Historical Mineral Planning Areas	0	0	0	0	-

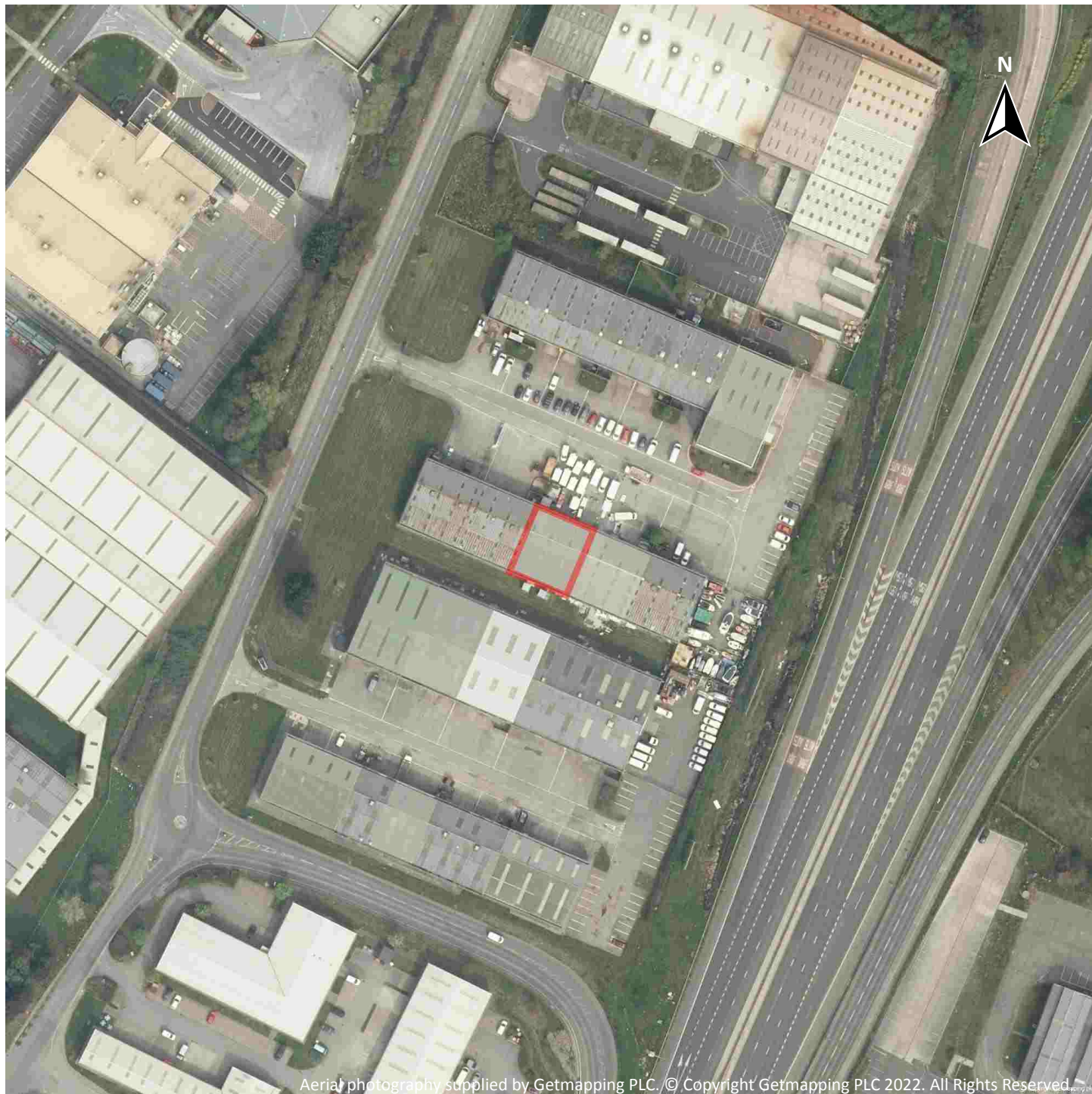


<b>97</b>	<b>18.6</b>	<b><u>Non-coal mining</u></b>	0	0	0	0	2
98	18.7	Mining cavities	0	0	0	0	0
98	18.8	JPB mining areas	None (within 0m)				
98	18.9	Coal mining	None (within 0m)				
98	18.10	Brine areas	None (within 0m)				
99	18.11	Gypsum areas	None (within 0m)				
99	18.12	Tin mining	None (within 0m)				
99	18.13	Clay mining	None (within 0m)				
<b>Page</b>	<b>Section</b>	<b>Radon</b>					
<b>100</b>	<b>19.1</b>	<b><u>Radon</u></b>	Less than 1% (within 0m)				
<b>Page</b>	<b>Section</b>	<b>Soil chemistry</b>	<b>On site</b>	<b>0-50m</b>	<b>50-250m</b>	<b>250-500m</b>	<b>500-2000m</b>
<b>101</b>	<b>20.1</b>	<b><u>BGS Estimated Background Soil Chemistry</u></b>	2	4	-	-	-
101	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
102	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
<b>Page</b>	<b>Section</b>	<b>Railway infrastructure and projects</b>	<b>On site</b>	<b>0-50m</b>	<b>50-250m</b>	<b>250-500m</b>	<b>500-2000m</b>
103	21.1	Underground railways (London)	0	0	0	-	-
103	21.2	Underground railways (Non-London)	0	0	0	-	-
103	21.3	Railway tunnels	0	0	0	-	-
103	21.4	Historical railway and tunnel features	0	0	0	-	-
103	21.5	Royal Mail tunnels	0	0	0	-	-
104	21.6	Historical railways	0	0	0	-	-
104	21.7	Railways	0	0	0	-	-
104	21.8	Crossrail 1	0	0	0	0	-
104	21.9	Crossrail 2	0	0	0	0	-
104	21.10	HS2	0	0	0	0	-





## Recent aerial photograph



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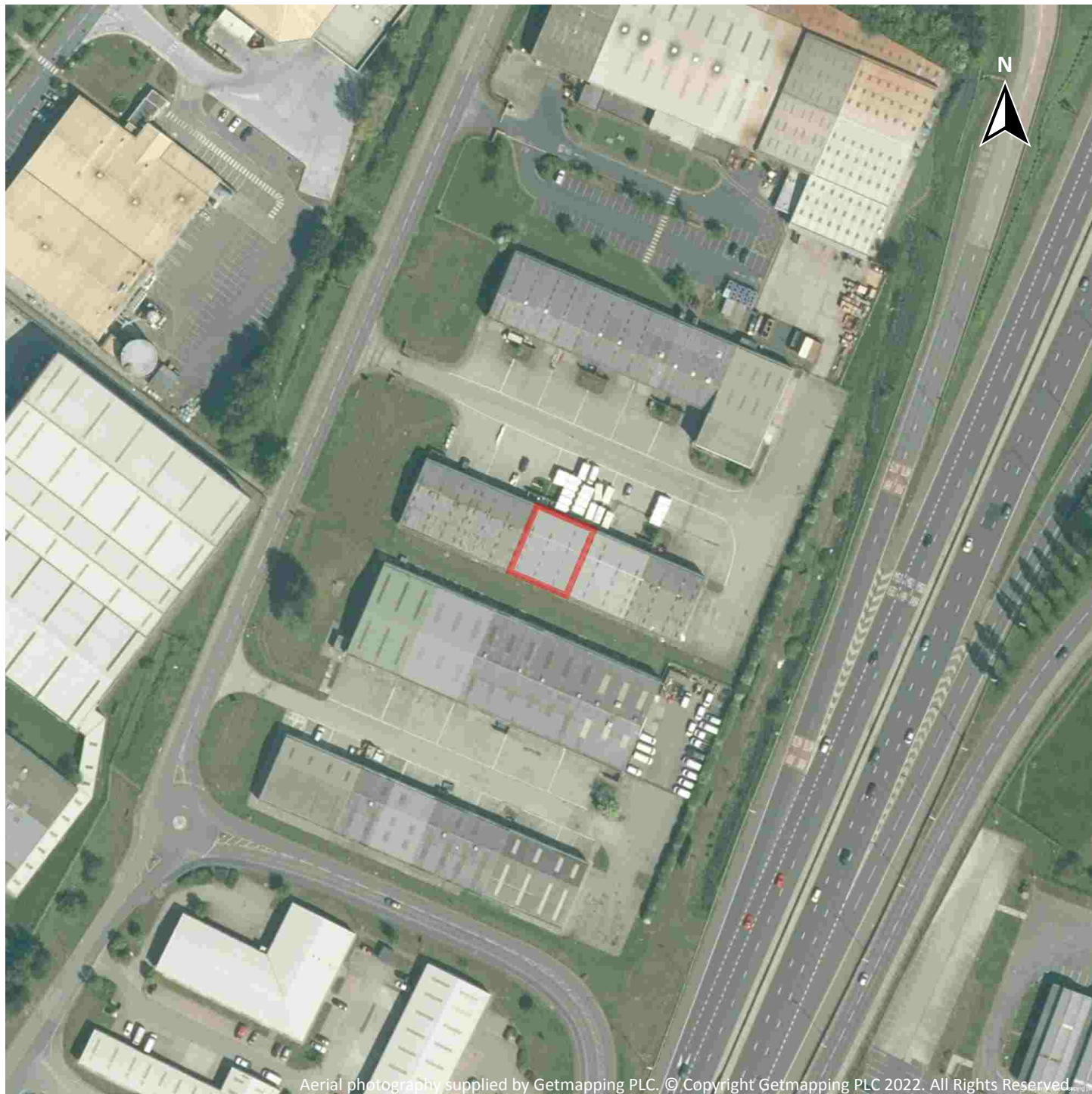
Capture Date: 10/04/2020

Site Area: 0.04ha





## Recent site history - 2017 aerial photograph



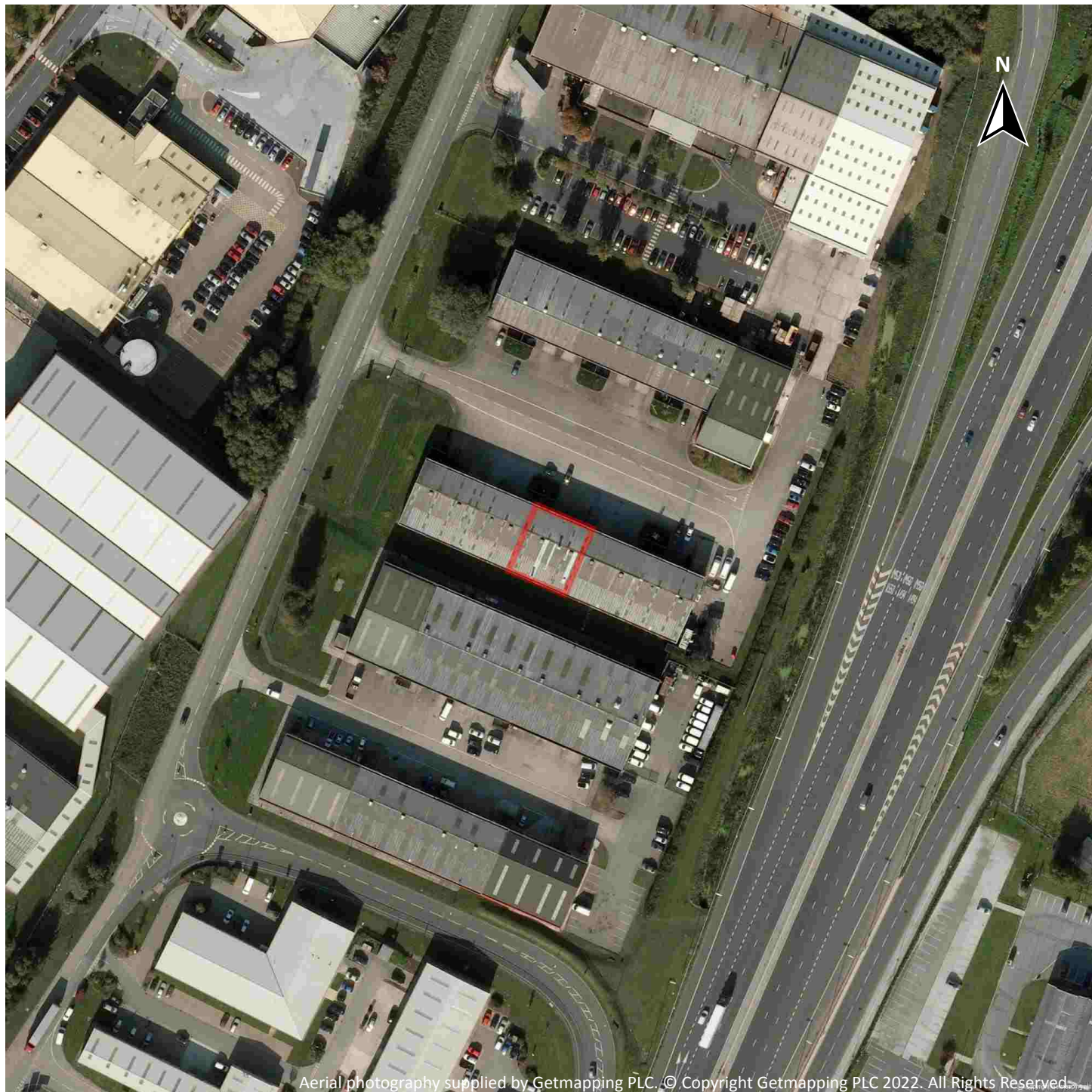
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2022. All Rights Reserved.

Capture Date: 07/05/2017

Site Area: 0.04ha



## Recent site history - 2010 aerial photograph



Capture Date: 11/10/2010

Site Area: 0.04ha





## Recent site history - 2001 aerial photograph



Capture Date: 01/05/2001

Site Area: 0.04ha

## Recent site history - 2000 aerial photograph



Capture Date: 04/09/2000

Site Area: 0.04ha





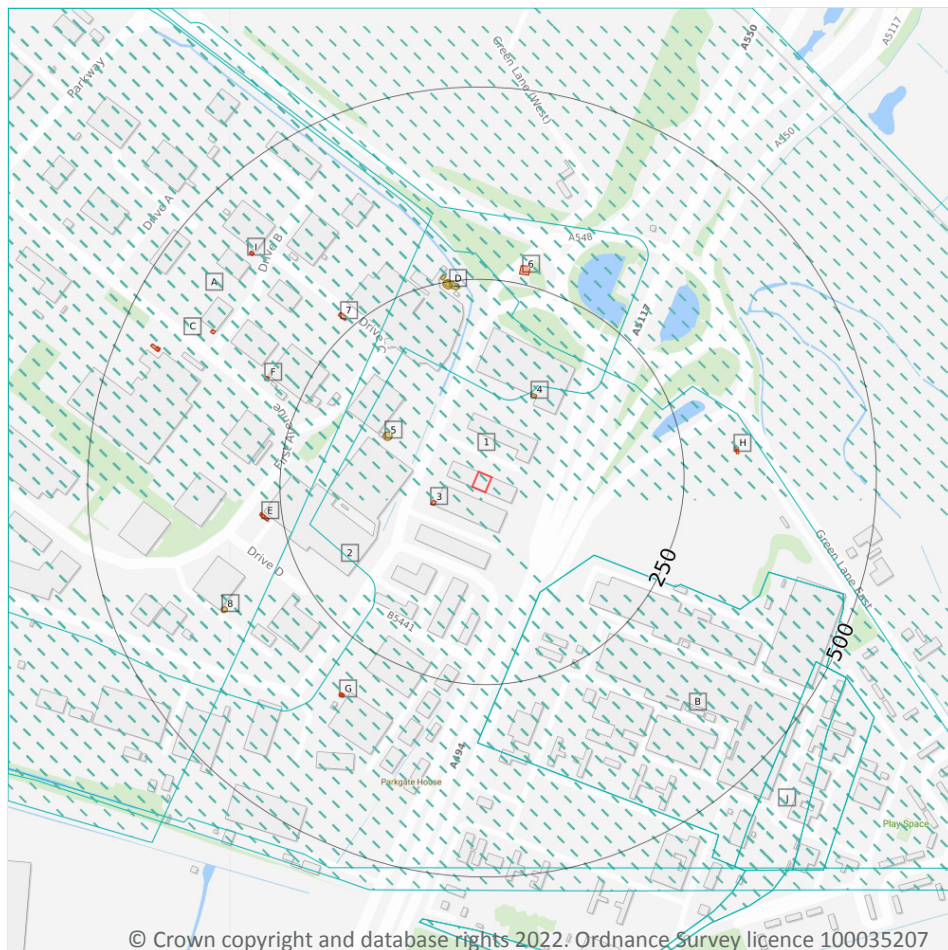
## OS MasterMap site plan



Site Area: 0.04ha



## 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

8

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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
1	On site	Airfield	1948	808717



ID	Location	Land use	Dates present	Group ID
<b>2</b>	<b>On site</b>	<b>Unspecified Commercial/Industrial</b>	<b>1992</b>	<b>975771</b>
A	100m N	Disused Airfield	1960 - 1969	925517
B	147m SE	Unspecified Commercial/Industrial	1960	951997
B	147m SE	Unspecified Commercial/Industrial	1969	989137
C	190m NW	Volunteer Rifle Range	1869	836702
J	483m SE	Railway Sidings	1960	863010
J	483m SE	Railway Sidings	1969 - 1976	899485

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.2 Historical tanks

### Records within 500m

**6**

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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
4	117m NE	Unspecified Tank	1965 - 1986	136654
5	121m NW	Unspecified Tank	1995 - 1997	141814
D	238m N	Tanks	1995 - 1997	136787
D	241m N	Unspecified Tank	1986 - 1992	135898
D	253m N	Tanks	1995 - 1997	140172
8	356m SW	Unspecified Tank	1992 - 1997	127940

*This data is sourced from Ordnance Survey / Groundsure.*



### 1.3 Historical energy features

#### Records within 500m

**17**

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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
3	51m W	Electricity Substation	1965 - 1997	85451
6	262m N	Electricity Substation	1997	60750
7	263m NW	Electricity Substation	1986 - 1997	79715
E	267m W	Electricity Substation	1986 - 1997	76507
E	272m W	Electricity Substation	1965 - 1984	84129
F	298m NW	Electricity Substation	1992 - 1997	66017
F	299m NW	Electricity Substation	1986 - 1992	73243
G	317m SW	Electricity Substation	1992 - 1997	84496
G	317m SW	Electricity Substation	1984	76309
G	318m SW	Electricity Substation	1986 - 1992	79555
H	318m E	Electricity Substation	1992 - 1997	75039
H	319m E	Electricity Substation	1992	70371
A	387m NW	Electricity Substation	1984 - 1997	83995
I	407m NW	Electricity Substation	1984 - 1997	77849
I	407m NW	Electricity Substation	1965 - 1992	65813
C	443m NW	Electricity Substation	1965 - 1984	84953
C	444m NW	Electricity Substation	1986 - 1997	69412

*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****0**

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

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

## An aerial map of a residential area, likely in the UK, showing a red boundary that encloses a cluster of houses. The map includes various features such as roads (e.g., Parkway, Drive A, Drive B, Drive C, Drive D), green spaces (e.g., Green Lane West, Green Lane East), and a playground. A red boundary is drawn around a central area, with several points marked with letters (A, B, C, D, E, F, G, H, I, J, K, L, M, N) and numbers (1, 2, 3). The map also shows a large circular area with a radius of 250m and 500m, and a smaller circular area with a radius of 100m. The map is overlaid with a grid of blue lines. The map is credited to Crown copyright and database rights 2022, Ordnance Survey licence 100035207.

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

Records within 500m	9
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Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
1	On site	Airfield	1948	808717
2	On site	Unspecified Commercial/Industrial	1992	975771
B	100m N	Disused Airfield	1960	925517

ID	Location	Land Use	Date	Group ID
B	100m N	Disused Airfield	1969	925517
E	147m SE	Unspecified Commercial/Industrial	1960	951997
E	147m SE	Unspecified Commercial/Industrial	1969	989137
F	190m NW	Volunteer Rifle Range	1869	836702
O	483m SE	Railway Sidings	1960	863010
O	483m SE	Railway Sidings	1969	899485

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.2 Historical tanks

### Records within 500m

**16**

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

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
C	117m NE	Unspecified Tank	1965	136654
C	117m NE	Unspecified Tank	1986	136654
C	117m NE	Unspecified Tank	1984	136654
D	121m NW	Unspecified Tank	1997	141814
D	121m NW	Unspecified Tank	1995	141814
G	238m N	Tanks	1997	136787
G	238m N	Tanks	1995	136787
G	241m N	Unspecified Tank	1992	135898
G	242m N	Unspecified Tank	1986	135898
G	242m N	Unspecified Tank	1992	135898
G	253m N	Tanks	1997	140172
G	253m N	Tanks	1995	140172
M	356m SW	Unspecified Tank	1992	127940
M	357m SW	Unspecified Tank	1997	127940



ID	Location	Land Use	Date	Group ID
M	357m SW	Unspecified Tank	1995	127940
M	357m SW	Unspecified Tank	1992	127940

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

**Records within 500m**

**55**

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

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
A	51m W	Electricity Substation	1984	85451
A	52m W	Electricity Substation	1997	85451
A	52m W	Electricity Substation	1995	85451
A	52m W	Electricity Substation	1992	85451
A	52m W	Electricity Substation	1965	85451
A	52m W	Electricity Substation	1986	85451
A	52m W	Electricity Substation	1992	85451
3	262m N	Electricity Substation	1997	60750
H	263m NW	Electricity Substation	1997	79715
H	263m NW	Electricity Substation	1995	79715
H	263m NW	Electricity Substation	1992	79715
H	263m NW	Electricity Substation	1986	79715
H	263m NW	Electricity Substation	1992	79715
I	267m W	Electricity Substation	1997	76507
I	267m W	Electricity Substation	1995	76507
I	267m W	Electricity Substation	1992	76507
I	269m W	Electricity Substation	1986	76507
I	269m W	Electricity Substation	1992	76507



ID	Location	Land Use	Date	Group ID
I	272m W	Electricity Substation	1984	84129
I	272m W	Electricity Substation	1965	84129
J	298m NW	Electricity Substation	1997	66017
J	298m NW	Electricity Substation	1995	66017
J	298m NW	Electricity Substation	1992	66017
J	299m NW	Electricity Substation	1986	73243
J	299m NW	Electricity Substation	1992	73243
K	317m SW	Electricity Substation	1997	84496
K	317m SW	Electricity Substation	1995	84496
K	317m SW	Electricity Substation	1992	84496
K	317m SW	Electricity Substation	1984	76309
K	318m SW	Electricity Substation	1986	79555
K	318m SW	Electricity Substation	1992	79555
L	318m E	Electricity Substation	1997	75039
L	318m E	Electricity Substation	1995	75039
L	318m E	Electricity Substation	1992	75039
L	319m E	Electricity Substation	1992	70371
B	387m NW	Electricity Substation	1984	83995
B	388m NW	Electricity Substation	1997	83995
B	388m NW	Electricity Substation	1995	83995
B	388m NW	Electricity Substation	1992	83995
B	389m NW	Electricity Substation	1986	83995
B	389m NW	Electricity Substation	1992	83995
N	407m NW	Electricity Substation	1984	77849
N	407m NW	Electricity Substation	1965	65813
N	407m NW	Electricity Substation	1986	65813
N	407m NW	Electricity Substation	1992	65813
N	408m NW	Electricity Substation	1997	77849



ID	Location	Land Use	Date	Group ID
N	408m NW	Electricity Substation	1995	77849
N	408m NW	Electricity Substation	1992	77849
F	443m NW	Electricity Substation	1984	84953
F	443m NW	Electricity Substation	1965	84953
F	444m NW	Electricity Substation	1997	69412
F	444m NW	Electricity Substation	1995	69412
F	444m NW	Electricity Substation	1992	69412
F	445m NW	Electricity Substation	1986	69412
F	445m NW	Electricity Substation	1992	69412

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.4 Historical petrol stations

**Records within 500m** **0**

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

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

**Records within 500m** **0**

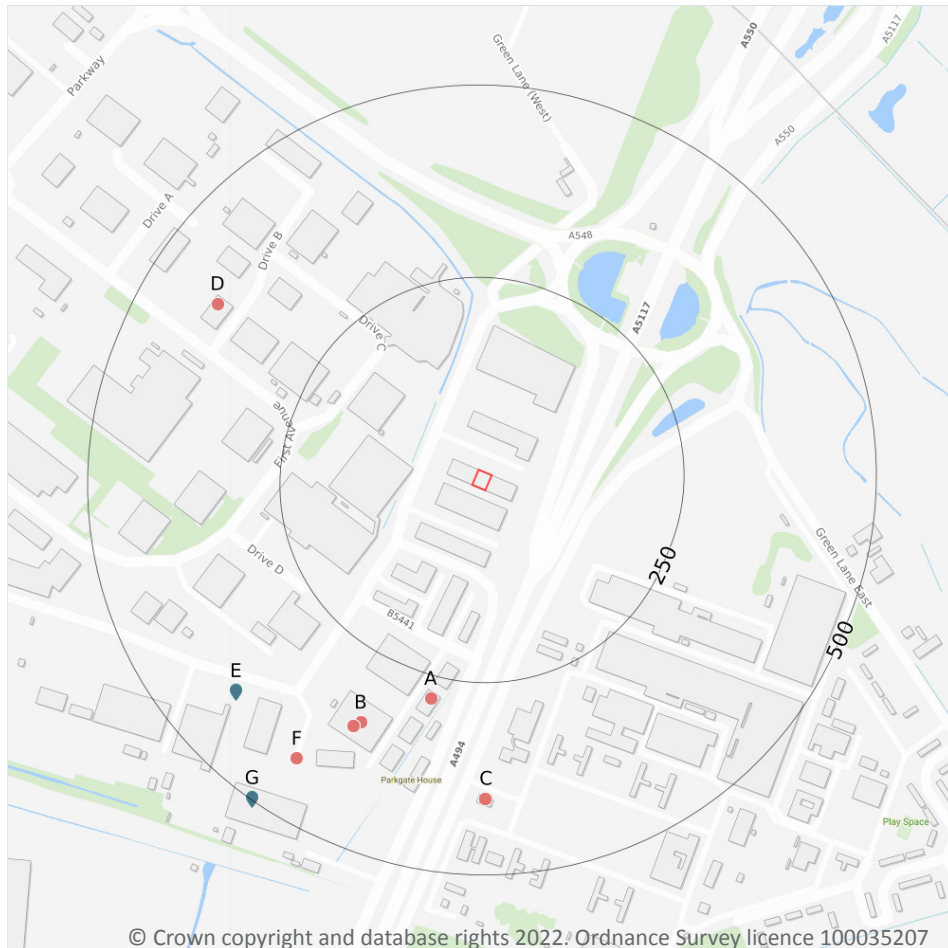
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*





## 3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Licensed waste sites
- Waste exemptions

### 3.1 Active or recent landfill

Records within 500m

0

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

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

### 3.2 Historical landfill (BGS records)

Records within 500m

0

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

*This data is sourced from the British Geological Survey.*



### 3.3 Historical landfill (LA/mapping records)

Records within 500m

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

0

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

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

### 3.5 Historical waste sites

Records within 500m

0

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

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

### 3.6 Licensed waste sites

Records within 500m

12

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

Features are displayed on the Waste and landfill map on **page 23**

ID	Location	Details		
E	407m SW	Site Name: Unit 103 Site Address: Unit 103, Zone 1, Deeside Industrial Estate, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAR195 EPR reference: CB3593HF/A001 Operator: Parry And Evans Limited Waste Management licence No: 900099 Annual Tonnage: 250000	Issue Date: 07/04/2015 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Issued

ID	Location	Details		
E	409m SW	Site Name: - Site Address: Unit 103, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CB3593HF EPR reference: - Operator: Parry And Evans Limited Waste Management licence No: 0 Annual Tonnage: 250000	Issue Date: 07/04/2015 Effective Date: 07/04/2015 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
E	409m SW	Site Name: - Site Address: Parry and Evans Ltd, Unit 103, Zone 1, Deeside Industrial Park, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: - Environmental Permitting Regulations (Waste) Licence Number: CB3593HF EPR reference: - Operator: Parry And Evans Limited Waste Management licence No: 900099 Annual Tonnage: 250000	Issue Date: 06/10/2017 Effective Date: 06/10/2017 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
E	409m SW	Site Name: - Site Address: Unit 103, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CB3593HF EPR reference: - Operator: - Waste Management licence No: 900099 Annual Tonnage: 250000	Issue Date: 07/04/2015 Effective Date: 07/04/2015 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
E	409m SW	Site Name: - Site Address: Parry and Evans Ltd, Unit 103, Zone 1, Flintshire, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CB3593HF EPR reference: - Operator: Parry And Evans Limited Waste Management licence No: 900099 Annual Tonnage: 250000	Issue Date: 06/10/2017 Effective Date: 06/10/2017 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective



ID	Location	Details		
G	497m SW	Site Name: T J's Skip Hire Ltd Site Address: Unit 26, Zone 1, Deeside Ind Est, Deeside, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: TJS005 EPR reference: CB3233AV/A001 Operator: T J's Skip Hire Ltd Waste Management licence No: 103384 Annual Tonnage: 0	Issue Date: 20/02/2012 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Issued
G	499m SW	Site Name: T J's Skip Hire Ltd Site Address: Unit 26, Zone 1, Deeside Ind Est, Deeside, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TJS005 EPR reference: EA/EPR/CB3233AV/A001 Operator: T J's Skip Hire Ltd Waste Management licence No: 103384 Annual Tonnage: 74999	Issue Date: 20/02/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	499m SW	Site Name: - Site Address: T J's Skip Hire Ltd, Unit 26, Deeside Ind Est, Deeside, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CB3233AV EPR reference: - Operator: T J's Skip Hire Ltd Waste Management licence No: 0 Annual Tonnage: 74999	Issue Date: 20/02/2012 Effective Date: 20/02/2012 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
G	499m SW	Site Name: - Site Address: T J's Skip Hire Ltd, Unit 26, Deeside Ind Est, Deeside, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: - Environmental Permitting Regulations (Waste) Licence Number: CB3233AV EPR reference: - Operator: T J's Skip Hire Ltd Waste Management licence No: 103384 Annual Tonnage: 74999	Issue Date: 20/02/2012 Effective Date: 20/02/2012 Modified: - Surrendered Date: - Expiry Date: 10/04/2018 Cancelled Date: - Status: Expired



ID	Location	Details		
G	499m SW	Site Name: - Site Address: T J's Skip Hire Ltd, Unit 26, Deeside Ind Est, Deeside, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CB3233AV EPR reference: - Operator: - Waste Management licence No: 103384 Annual Tonnage: 74999	Issue Date: 20/02/2012 Effective Date: 20/02/2012 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Effective
G	499m SW	Site Name: - Site Address: T J's Skip Hire Ltd, Unit 26, Deeside Ind Est, Deeside, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: - Environmental Permitting Regulations (Waste) Licence Number: CB3233AV EPR reference: - Operator: T J's Skip Hire Ltd Waste Management licence No: 103384 Annual Tonnage: 74999	Issue Date: 20/02/2012 Effective Date: 20/02/2012 Modified: - Surrendered Date: - Expiry Date: 10/04/2018 Cancelled Date: - Status: Expired
G	499m SW	Site Name: - Site Address: T J's Skip Hire Ltd, Unit 26, Deeside Ind Est, Flintshire, Deeside, Flintshire, CH5 2LR Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CB3233AV EPR reference: - Operator: T J's Skip Hire Ltd Waste Management licence No: 103384 Annual Tonnage: 74999	Issue Date: 20/02/2012 Effective Date: 20/02/2012 Modified: - Surrendered Date: - Expiry Date: 10/04/2018 Cancelled Date: - Status: Expired

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

### 3.7 Waste exemptions

**Records within 500m**

**31**

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 23**



ID	Location	Site	Reference	Category	Sub-Category	Description
A	280m S	63, DEESIDE INDUSTRIAL ESTATE, WELSH ROAD, DEESIDE, CH5 2LR	WEX163154	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
A	280m S	63, DEESIDE INDUSTRIAL ESTATE, WELSH ROAD, DEESIDE, CH5 2LR	WEX163154	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
B	342m SW	Econpro WDS Limited, Econpro, Hangar 13, Deeside Industrial Estate, Drome Road, Deeside, UK, CH52LR	NRW-WME019722	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	342m SW	Econpro WDS Limited, Econpro, Hangar 13, Deeside Industrial Estate, Drome Road, Deeside, UK, CH52LR	NRW-WME019722	Using waste exemption	Not on a farm	Use of waste for a specified purpose
B	342m SW	Econpro WDS Limited, Econpro, Hangar 13, Deeside Industrial Estate, Drome Road, Deeside, UK, CH52LR	NRW-WME019722	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
B	342m SW	Econpro WDS Limited, Econpro, Hangar 13, Deeside Industrial Estate, Drome Road, Deeside, UK, CH52LR	NRW-WME019722	Treating waste exemption	Not on a farm	Screening and blending of waste
B	342m SW	Econpro WDS Limited, Econpro, Hangar 13, Deeside Industrial Estate, Drome Road, Deeside, UK, CH52LR	NRW-WME019722	Treating waste exemption	Not on a farm	Recovery of textiles
B	342m SW	O'Connor Utilities Ltd, O'Connor Utilities, Parkgate House, Deeside Industrial Estate, Welsh Road, Glannau Dyfrdwy, CH52LR	NRW-WME020070	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	342m SW	O'Connor Utilities Ltd, O'Connor Utilities, Parkgate House, Deeside Industrial Estate, Welsh Road, Glannau Dyfrdwy, CH52LR	NRW-WME020071	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
B	342m SW	C. T Skip Hire, Drome Road, Deeside Industrial Estate, Deeside, Flintshire, CH52LR	NRW-WME023743	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	342m SW	C. T Skip Hire, Drome Road, Deeside Industrial Estate, Deeside, Flintshire, CH52LR	NRW-WME023743	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	342m SW	C. T Skip Hire, Drome Road, Deeside Industrial Estate, Deeside, Flintshire, CH52LR	NRW-WME023743	Using waste exemption	Not on a farm	Use of waste in construction
B	351m SW	O'Connor Utilities Ltd, O'Connor Utilities, Parkgate House, Deeside Industrial Estate, Welsh Road, Deeside, Flintshire, CH5 2LR	NRW-WME066575	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	351m SW	O'Connor Utilities Ltd, O'Connor Utilities, Parkgate House, Deeside Industrial Estate, Welsh Road, Deeside, Flintshire, CH5 2LR	NRW-WME066575	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	351m SW	Dragon Pallets Limited, Dragon Pallets Ltd, Deeside Industrial Estate, Welsh Road, Deeside, Flintshire, CH5 2LR	NRW-WME060466	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
B	351m SW	Econpro WDS Limited, ECONPRO, HANGAR 13, DROME ROAD, DEESIDE INDUSTRIAL ESTATE, DEESIDE, FLINTSHIRE, CH5 2LR	NRW-WME046031	Treating waste exemption	Not on a farm	Sorting mixed waste
B	351m SW	Parry and Evans Limited, Parry & Evans Ltd, Unit 103, Zone 1, Deeside Industrial Estate, Deeside, Flintshire, CH52LR	NRW-WME028750	Storing waste exemption	On a farm	Storage of waste in a secure place
B	351m SW	Dragon Pallets Limited, Dragon Pallets Ltd, Deeside Industrial Estate, Deeside, Flintshire, CH52LR	NRW-WME029713	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods





ID	Location	Site	Reference	Category	Sub-Category	Description
B	351m SW	Parry and Evans Limited, Former Catton's Yard, Zone 1, Deeside Industrial Estate, Welsh Road, Deeside, Flintshire, CH52LR	NRW-WME030572	Treating waste exemption	Waste Exemption - Agricultural and Non-Agricultural	Preparatory treatments (baling, sorting, shredding etc)
B	351m SW	Darcy George Investments LTD, Unit 26A, Zone 1Deeside Industrial Estate, Welsh Road, Deeside, Flintshire, CH52LR	NRW-WME036773	Treating waste exemption	On a farm	Preparatory treatments (baling, sorting, shredding etc)
B	351m SW	Darcy George Investments LTD, Unit 26A, Zone 1Deeside Industrial Estate, Welsh Road, Deeside, Flintshire, CH52LR	NRW-WME036773	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	351m SW	Eric Wright Construction Limited, Deeside Industrial Estate, Welsh Road, Deeside, Flintshire, CH52LR	NRW-WME037223	Using waste exemption	Not on a farm	Use of waste in construction
C	401m S	DECA, Welsh Road, Sealand, Deeside, Flintshire, CH5 2LS	NRW-WME061841	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	401m S	DECA, Welsh Road, Sealand, Deeside, Flintshire, CH52LS	NRW-WME030190	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	401m S	Welsh Road, Deeside, Flintshire, ch5 2LS	NRW-WME001735	Storing waste exemption	Waste Exemption - Non-Agricultural	Storage of waste in secure containers
C	401m S	Welsh Road, Deeside, Flintshire, ch5 2LS	NRW-WME001735	Storing waste exemption	Waste Exemption - Non-Agricultural	Storage of waste in a secure place
C	401m S	Welsh Road, Deeside, Flintshire, ch5 2LS	NRW-WME001735	Treating waste exemption	Waste Exemption - Non-Agricultural	Preparatory treatments (baling, sorting, shredding etc)
D	402m NW	ConvaTec GDC, First Avenue, Deeside Industrial Park, Deeside, Deeside, Flintshire, CH52NU	NRW-WME030813	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	402m NW	ConvaTec GDC, First Avenue, Deeside Industrial Park, Deeside, Deeside, Flintshire, CH52NU	NRW-WME030813	Storing waste exemption	Not on a farm	Storage of waste in secure containers

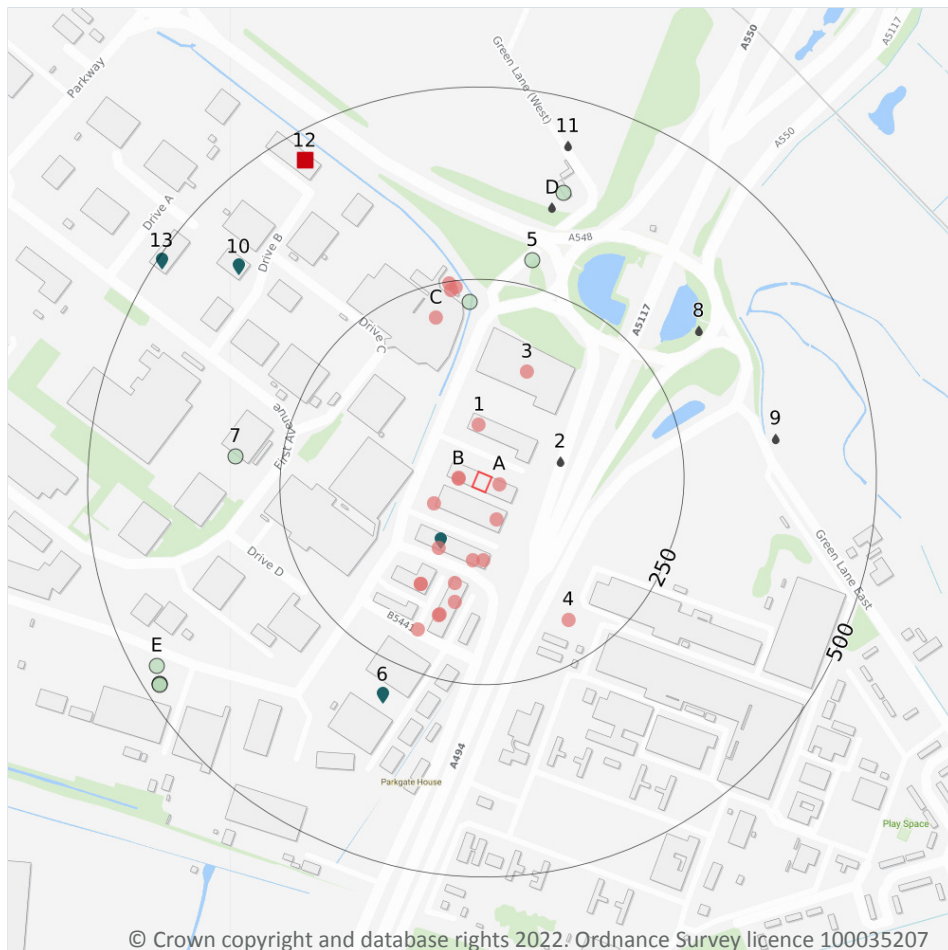


ID	Location	Site	Reference	Category	Sub-Category	Description
F	423m SW	-	WEX212880	Treating waste exemption	Not on a farm	Screening and blending of waste
F	423m SW	-	WEX212880	Using waste exemption	Not on a farm	Use of waste in construction

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



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- List 1 Dangerous Substances
- Pollution Incidents (EA/NRW)

### 4.1 Recent industrial land uses

Records within 250m

22

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 32**

ID	Location	Company	Address	Activity	Category
A	12m SE	Magma Granite Ltd	16, Drome Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NY	Stone Quarrying and Preparation	Extractive Industries
B	21m NW	Sealand Windows Ltd	13, Drome Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NY	General Construction Supplies	Industrial Products



ID	Location	Company	Address	Activity	Category
B	21m NW	Econpro	Unit 13a Deeside Industrial Estate, Drome Road, Deeside, Clwyd, CH5 2LR	Rag Merchants	Recycling Services
A	38m SE	Deefab	24, Drome Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NY	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	54m SW	Electricity Sub Station	Clwyd, CH5	Electrical Features	Infrastructure and Facilities
1	61m N	Bobs Bike Tyres	5, Drome Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NY	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	88m S	S O S Hose Services	Unit 30 Drome Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NY	Hydraulic Engineers	Engineering Services
B	89m S	Flintshire Precision Engineering Ltd	29, Drome Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NY	Precision Engineers	Engineering Services
B	90m SW	Deeside Auto Refinishing	25 Drome Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NY	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	125m S	Art Graphics Signs	Wifi @ Unit B8 Evans Easyspace, Welsh Road, Garden City, Clwyd, CH5 2JZ	Signs	Industrial Products
B	142m SW	D M C S Ltd	Unit D15, Evans Easyspace, Deeside Industrial Park, Deeside, Clwyd, CH5 2JZ	Measurement and Inspection Equipment	Industrial Products
B	142m SW	P D S N W Ltd	Unit D8, Evans Easyspace, Deeside Industrial Park, Deeside, Clwyd, CH5 2JZ	Civil Engineers	Engineering Services
3	144m NE	Witter Towbars	6-11, Drome Road, Deeside Industrial Park, Deeside, Clwyd, CH5 2NY	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	148m S	Northwest Signs Ltd	Unit B4, Evans Easyspace, Deeside Industrial Park, Deeside, Clwyd, CH5 2JZ	Signs	Industrial Products
B	169m S	Longlife	B12, Deeside Industrial Estate, Evans Easyspace, Deeside, Clwyd, CH5 2JZ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	170m S	M J V Performance	Unit B12, Evans Easyspace, Deeside Industrial Park, Deeside, Clwyd, CH5 2JZ	Vehicle Parts and Accessories	Motoring
4	197m SE	Electricity Sub Station	Clwyd, CH5	Electrical Features	Infrastructure and Facilities
B	199m SW	Evans Business Centre	Clwyd, CH5	Business Parks and Industrial Estates	Industrial Features



ID	Location	Company	Address	Activity	Category
C	208m N	Convatec	20, First Avenue, Deeside Industrial Park, Deeside, Clwyd, CH5 2NU	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
C	239m N	Tank	Clwyd, CH5	Tanks (Generic)	Industrial Features
C	242m N	Tank	Clwyd, CH5	Tanks (Generic)	Industrial Features
C	248m N	Tank	Clwyd, CH5	Tanks (Generic)	Industrial Features

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

<b>Records within 500m</b>	<b>0</b>
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Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

<b>Records within 500m</b>	<b>0</b>
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High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

## 4.5 Sites determined as Contaminated Land

<b>Records within 500m</b>	<b>0</b>
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Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*

## 4.6 Control of Major Accident Hazards (COMAH)

**Records within 500m****0**

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

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

**Records within 500m****0**

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

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

**Records within 500m****0**

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

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

**Records within 500m****0**

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

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

## 4.10 Licensed industrial activities (Part A(1))

**Records within 500m****0**

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

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

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

### Records within 500m

**4**

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

Features are displayed on the Current industrial land use map on **page 32**

ID	Location	Address	Details	
B	81m SW	The Real Pet Food Co Ltd, 25 Drome Road, Deeside Industrial Park, Deeside, CH5 2NY	Process: Pet Food Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
6	294m SW	Rainbow International, Evans Business Centre, Welsh Road, Deeside Industrial Park, Flintshire, Queensferry, Deeside, Clwyd CH5 2JZ	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
10	410m NW	Star Manufacturing Ltd, First Avenue, Deeside Industrial Park, Deeside, Clwyd, CH5 2NU.	Process: Surface Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
13	495m NW	Lookers Plc, First Avenue, Deeside Industrial Park, Deeside, Flintshire, CH5 2NU	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

*This data is sourced from Local Authority records.*

## 4.12 Radioactive Substance Authorisations

### Records within 500m

**0**

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

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





## 4.13 Licensed Discharges to controlled waters

Records within 500m

5

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 32**

ID	Location	Address	Details	
2	90m E	DEESIDE IND PARK	Effluent Type: UNSPECIFIED Permit Number: CM0093301 Permit Version: 1 Receiving Water: UN-NAMED TRIB. OF SHOTWICK BRO	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 16/06/1982 Effective Date: 16/06/1982 Revocation Date: 17/06/1996
8	329m NE	15 GREEN LANE (MARSH FARM SCHEME), 15 GREEN LANE (MARSH FARM SCHEME, (MARSH FARM SCHEME) SEALAND, SEALAND	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CM0032801 Permit Version: 1 Receiving Water: UN-NAMED DITCH FLOW.TO GARDEN	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/03/1966 Effective Date: 07/03/1966 Revocation Date: -
D	356m N	SHOTTON STW SHOTTON CHESTER, SHOTTON STW, SHOTTON, CHESTER	Effluent Type: UNSPECIFIED Permit Number: CM0002501 Permit Version: 1 Receiving Water: SHOTWICK BROOK	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 13/07/1956 Effective Date: 13/07/1956 Revocation Date: 06/01/1993
9	371m E	MAESGWYN FARM GREEN LANE SEALAND, MAESGWYN FARM GREEN LANE SEALAN, GREEN LANE SEALAND, SEALAND	Effluent Type: - Permit Number: CM0025301 Permit Version: 1 Receiving Water: UN-NAMED TRIB.OF GARDEN CITY D	Status: Effective Issue date: 06/11/1964 Effective Date: 06/11/1964 Revocation Date: -
11	438m N	1-5 GREEN LANE WEST SEALAND, SEALAND	Effluent Type: UNSPECIFIED Permit Number: CG0370101 Permit Version: 1 Receiving Water: UNNAMED WATERCOURSE	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 06/12/1996 Effective Date: 06/12/1996 Revocation Date: 24/02/1997

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

## 4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



## 4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

## 4.16 List 1 Dangerous Substances

Records within 500m

1

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 32**

ID	Location	Name	Status	Receiving Water	Authorised Substances
12	463m NW	Tm(uk) Engine Plant, Deeide Ind.park, Deeside, Clwyd	Not Active	-	Mercury (other), Cadmium

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

## 4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

8

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 32**

ID	Location	Details	
C	221m N	Incident Date: 12/06/2003 Incident Identification: 165302 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
5	283m N	Incident Date: 11/02/2003 Incident Identification: 136161 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
7	310m W	Incident Date: 09/05/2014 Incident Identification: 1233918 Pollutant: Inorganic Chemicals/Products Pollutant Description: Alkalis	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	379m N	Incident Date: 10/04/2003 Incident Identification: 149993 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	471m SW	Incident Date: 28/05/2020 Incident Identification: 2003726 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: No Details Land Impact: Category 1 (Major) Air Impact: Category 1 (Major)
E	480m SW	Incident Date: 01/07/2016 Incident Identification: 1603637 Pollutant: - Pollutant Description: -	Water Impact: Other Land Impact: Category 4 (No Impact) Air Impact: Other
E	480m SW	Incident Date: 01/07/2016 Incident Identification: 1603637 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Other Land Impact: Category 4 (No Impact) Air Impact: Other
E	480m SW	Incident Date: 04/02/2002 Incident Identification: 56931 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)

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

## 4.19 Pollution inventory substances

### Records within 500m

0

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

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



## 4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

## 4.21 Pollution inventory radioactive waste

Records within 500m

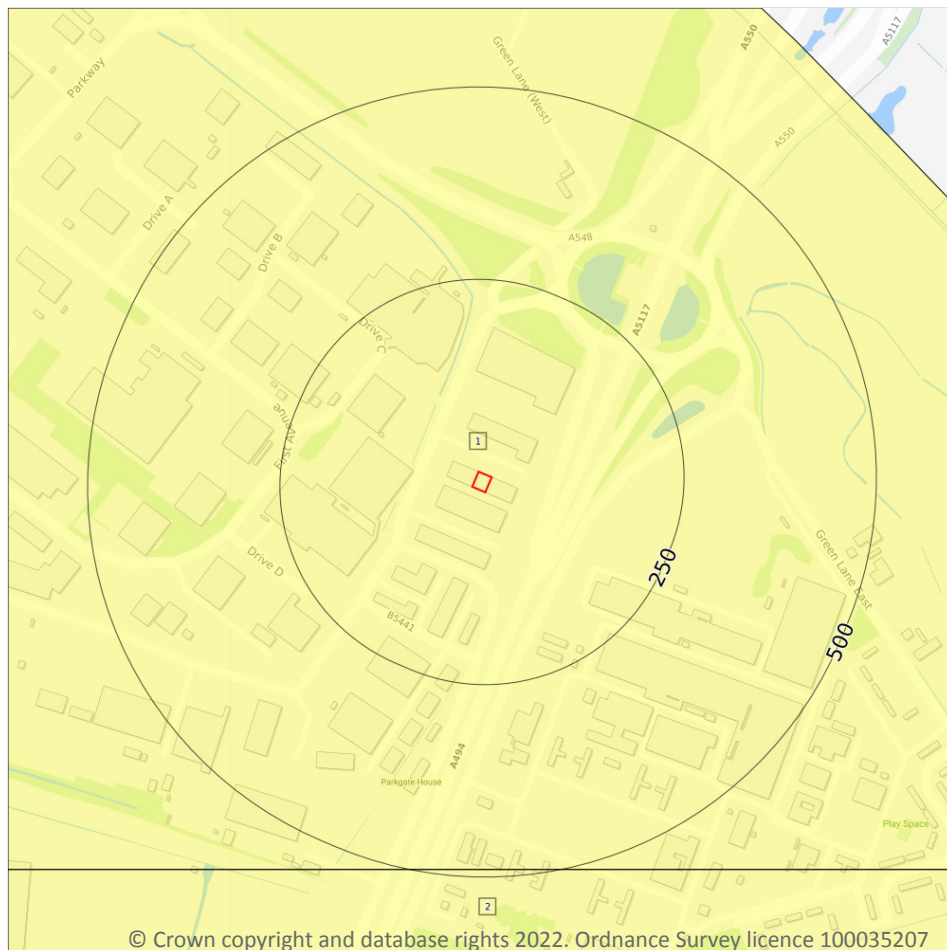
0

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

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



## 5 Hydrogeology - Superficial aquifer



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

### 5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

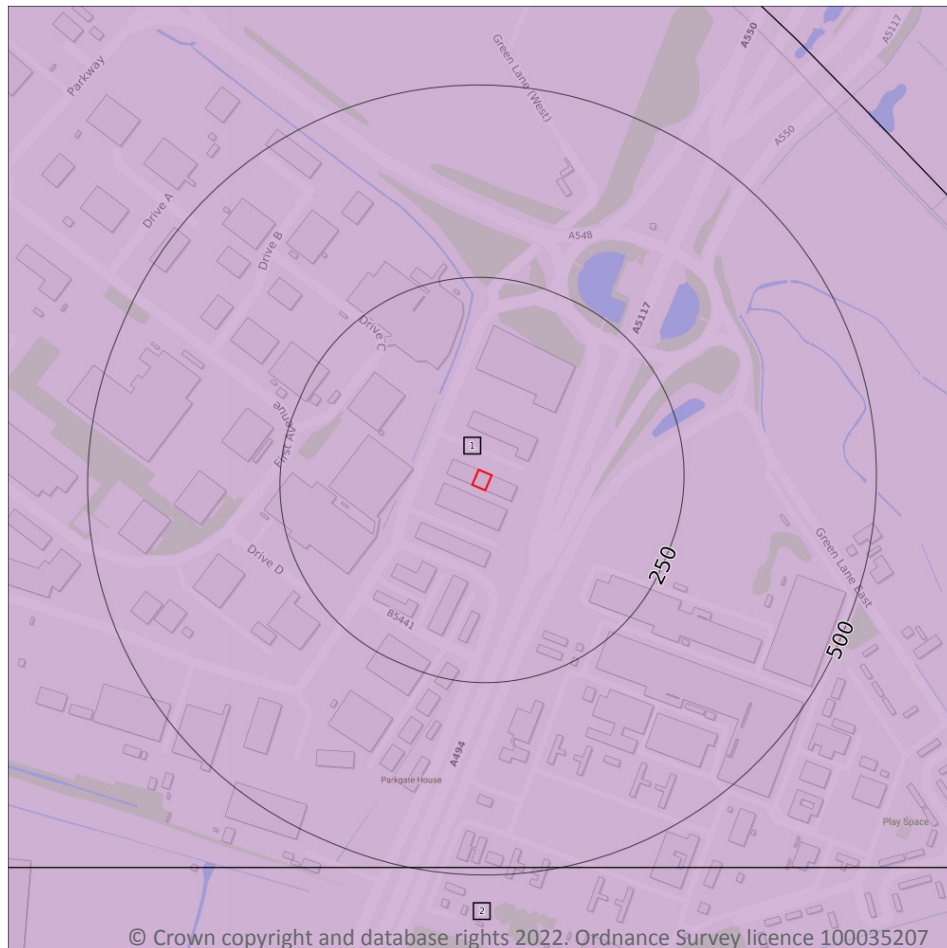
Features are displayed on the Hydrogeology map on **page 41**

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
2	490m S	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



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

### 5.2 Bedrock aquifer

#### Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 43**

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
2	490m S	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.*



- 45

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

*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

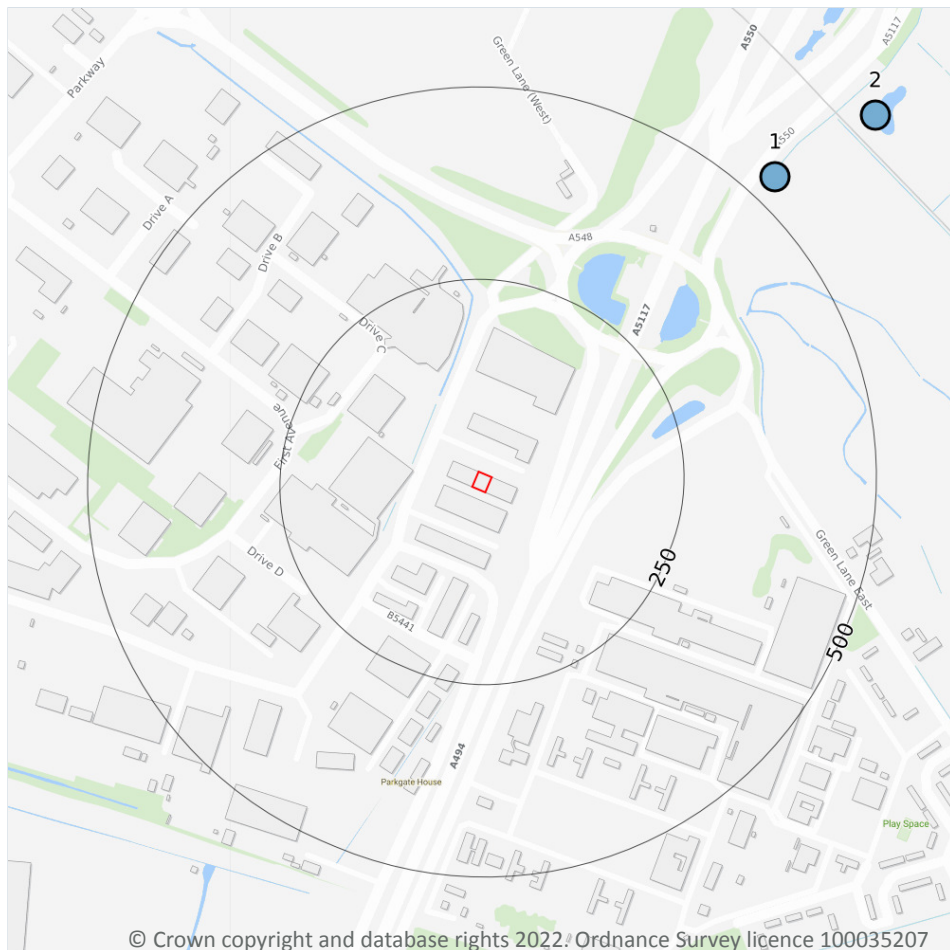
0

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](mailto:enquiries@environment-agency.gov.uk).

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



## Abstractions and Source Protection Zones



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

### 5.6 Groundwater abstractions

#### Records within 2000m

9

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 47**

ID	Location	Details	
-	671m N	Status: Historical Licence No: 24/67/10/0090 Details: Process Water Direct Source: EAW Groundwater Point: BOREHOLE 1A Data Type: Point Name: Tata Steel UK Limited Easting: 333670 Northing: 371170	Annual Volume (m <sup>3</sup> ): 500000 Max Daily Volume (m <sup>3</sup> ): 6000 Original Application No: - Original Start Date: 27/11/1980 Expiry Date: - Issue No: 104 Version Start Date: 18/03/2015 Version End Date: -
-	671m N	Status: Active Licence No: 24/67/10/0090 Details: Process Water - Medium Direct Source: - Point: - Data Type: Point Name: - Easting: 333670 Northing: 371170	Annual Volume (m <sup>3</sup> ): 500,000 Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: Mar 18 2015 12:00AM Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1151m N	Status: Historical Licence No: 24/67/10/0090 Details: Process Water Direct Source: EAW Groundwater Point: BOREHOLE 2 Data Type: Point Name: Tata Steel UK Limited Easting: 333720 Northing: 371650	Annual Volume (m <sup>3</sup> ): 500000 Max Daily Volume (m <sup>3</sup> ): 6000 Original Application No: - Original Start Date: 27/11/1980 Expiry Date: - Issue No: 104 Version Start Date: 18/03/2015 Version End Date: -
-	1151m N	Status: Active Licence No: 24/67/10/0090 Details: Process Water - Medium Direct Source: - Point: - Data Type: Point Name: - Easting: 333720 Northing: 371650	Annual Volume (m <sup>3</sup> ): 500,000 Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: Mar 18 2015 12:00AM Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1387m NW	Status: Historical Licence No: 24/67/10/0090 Details: Process Water Direct Source: EAW Groundwater Point: BOREHOLE 4 Data Type: Point Name: Tata Steel UK Limited Easting: 332940 Northing: 371780	Annual Volume (m <sup>3</sup> ): 500000 Max Daily Volume (m <sup>3</sup> ): 6000 Original Application No: - Original Start Date: 27/11/1980 Expiry Date: - Issue No: 104 Version Start Date: 18/03/2015 Version End Date: -



ID	Location	Details	
-	1387m NW	Status: Active Licence No: 24/67/10/0090 Details: Process Water - Medium Direct Source: - Point: - Data Type: Point Name: - Easting: 332940 Northing: 371780	Annual Volume (m <sup>3</sup> ): 500,000 Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: Mar 18 2015 12:00AM Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1602m SE	Status: Historical Licence No: 24/67/10/0022 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE Data Type: Point Name: H T Howe And Sons Easting: 334460 Northing: 369190	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 25/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1975 Version End Date: -
-	1863m NW	Status: Active Licence No: WA/067/0010/0015 Details: Pollution Remediation - Very Low Direct Source: Deeside Industrial Estate Point: - Data Type: Poly4 Name: - Easting: 331947 Northing: 371621	Annual Volume (m <sup>3</sup> ): 7,500 Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: Feb 3 2020 12:00AM Expiry Date: Mar 31 2027 12:00AM Issue No: - Version Start Date: - Version End Date: -
-	1883m SW	Status: Historical Licence No: 24/67/10/0046 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE Data Type: Point Name: Jones Balers Ltd Easting: 332780 Northing: 368760	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 24/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 06/06/1967 Version End Date: -

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

## 5.7 Surface water abstractions

### Records within 2000m

5

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 47**



ID	Location	Details	
1	536m NE	Status: Historical Licence No: 24/67/10/0151 Details: Dust Suppression Direct Source: EAW Surface Water Point: BOUNDARY DRAIN (SEALAND / SHOTWICK PARISH) Data Type: Point Name: Carillion Roads Easting: 333900 Northing: 370900	Annual Volume (m <sup>3</sup> ): 23562 Max Daily Volume (m <sup>3</sup> ): 178.5 Original Application No: - Original Start Date: 01/02/2007 Expiry Date: 01/12/2008 Issue No: 1 Version Start Date: 01/02/2007 Version End Date: -
2	685m NE	Status: Historical Licence No: 24/67/10/0151 Details: Dust Suppression Direct Source: EAW Surface Water Point: BALANCING POND AT SHOTWICK PARK PARISH Data Type: Point Name: Carillion Roads Easting: 334030 Northing: 370980	Annual Volume (m <sup>3</sup> ): 23562 Max Daily Volume (m <sup>3</sup> ): 178.5 Original Application No: - Original Start Date: 01/02/2007 Expiry Date: 01/12/2008 Issue No: 1 Version Start Date: 01/02/2007 Version End Date: -
-	1382m N	Status: Historical Licence No: 24/67/10/0111 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: BURTON & PUDDINGTON ARTERIAL DITCH Data Type: Line Name: WT Banks & Co (Farming) Ltd Easting: 330860 Northing: 372660	Annual Volume (m <sup>3</sup> ): 54550 Max Daily Volume (m <sup>3</sup> ): 2180 Original Application No: - Original Start Date: 14/06/1988 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2003 Version End Date: -
-	1448m S	Status: Historical Licence No: 24/67/10/0103 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: MANOR DRAIN POINT B Data Type: Point Name: Jones Balers Ltd Easting: 333370 Northing: 369050	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 17/11/1987 Expiry Date: - Issue No: 100 Version Start Date: 27/04/1989 Version End Date: -
-	1868m SE	Status: Historical Licence No: 24/67/10/0102 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: WATERLOO DRAIN Data Type: Line Name: Williams Easting: 334930 Northing: 368470	Annual Volume (m <sup>3</sup> ): 12274 Max Daily Volume (m <sup>3</sup> ): 355 Original Application No: - Original Start Date: 17/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -

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





## 5.8 Potable abstractions

Records within 2000m

0

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

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

## 5.9 Source Protection Zones

Records within 500m

0

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

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

## 5.10 Source Protection Zones (confined aquifer)

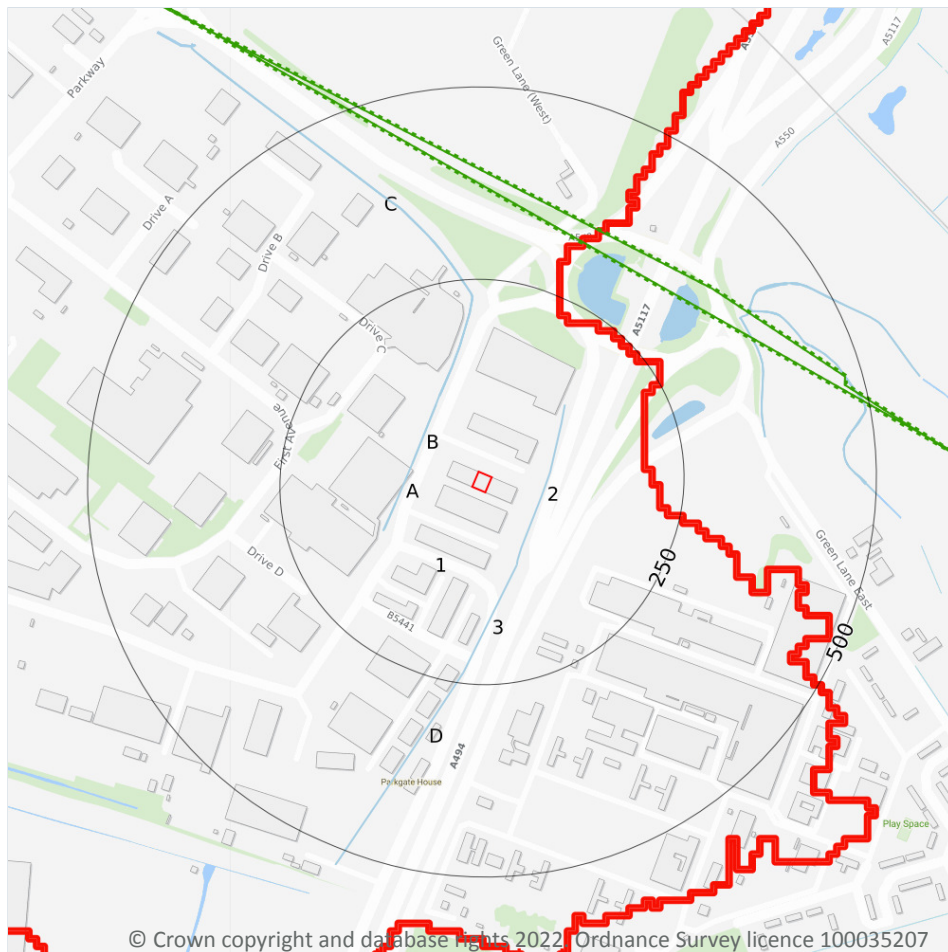
Records within 500m

0

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

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

## 6 Hydrology



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

### 6.1 Water Network (OS MasterMap)

Records within 250m

8

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 52**

ID	Location	Type of water feature	Ground level	Permanence	Name
2	69m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
A	83m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	83m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	101m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	102m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	103m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	111m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	235m S	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

6

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 52**

*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 52**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	Coastal catchment	Not part of a river WB catchment	166	Dee Estuary	Dee

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

## 6.4 WFD Surface water bodies

<b>Records identified</b>	<b>0</b>
---------------------------	----------

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.

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

## 6.5 WFD Groundwater bodies

<b>Records on site</b>	<b>1</b>
------------------------	----------

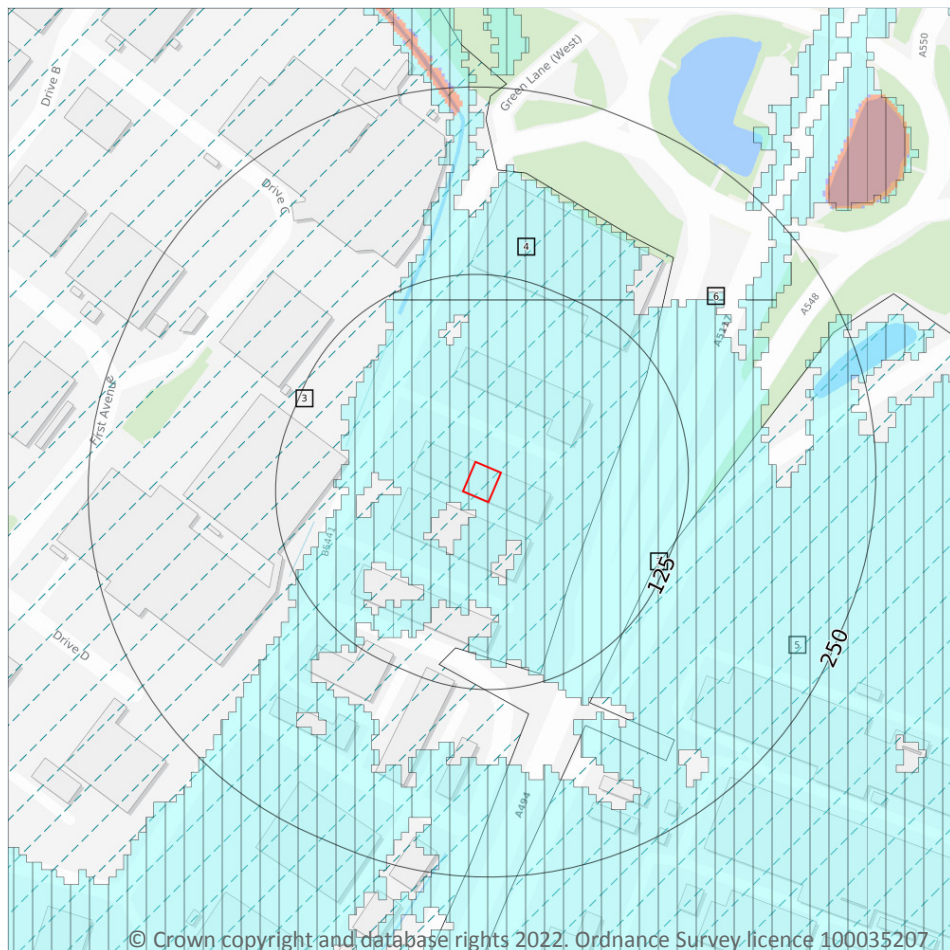
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place.

Features are displayed on the Hydrology map on **page 52**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Dee Carboniferous Coal Measures	GB41102G204800	Poor	Poor	Good	2017

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

## 7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

### 7.1 Risk of flooding from rivers and the sea

#### Records within 50m

1

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 55**



Distance	Flood risk category
<b>On site</b>	<b>Low</b>
0 - 50m	Low

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

## 7.2 Historical Flood Events

<b>Records within 250m</b>	<b>2</b>
----------------------------	----------

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

Features are displayed on the River and coastal flooding map on **page 55**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
<b>3</b>	<b>On site</b>	<b>Deeside Ind. Park 1964 01</b>	<b>1964-01-01 1964-01-01</b>	<b>Main river</b>	<b>Channel capacity exceeded (no raised defences)</b>	<b>Fluvial</b>
5	118m SE	Raf Sealand 1964 01	1964-01-01 1964-01-01	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

## 7.3 Flood Defences

<b>Records within 250m</b>	<b>0</b>
----------------------------	----------

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

<b>Records within 250m</b>	<b>3</b>
----------------------------	----------

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 55**



ID	Location	
2	On site	Area benefiting from flood defences
4	108m N	Area benefiting from flood defences
6	180m NE	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

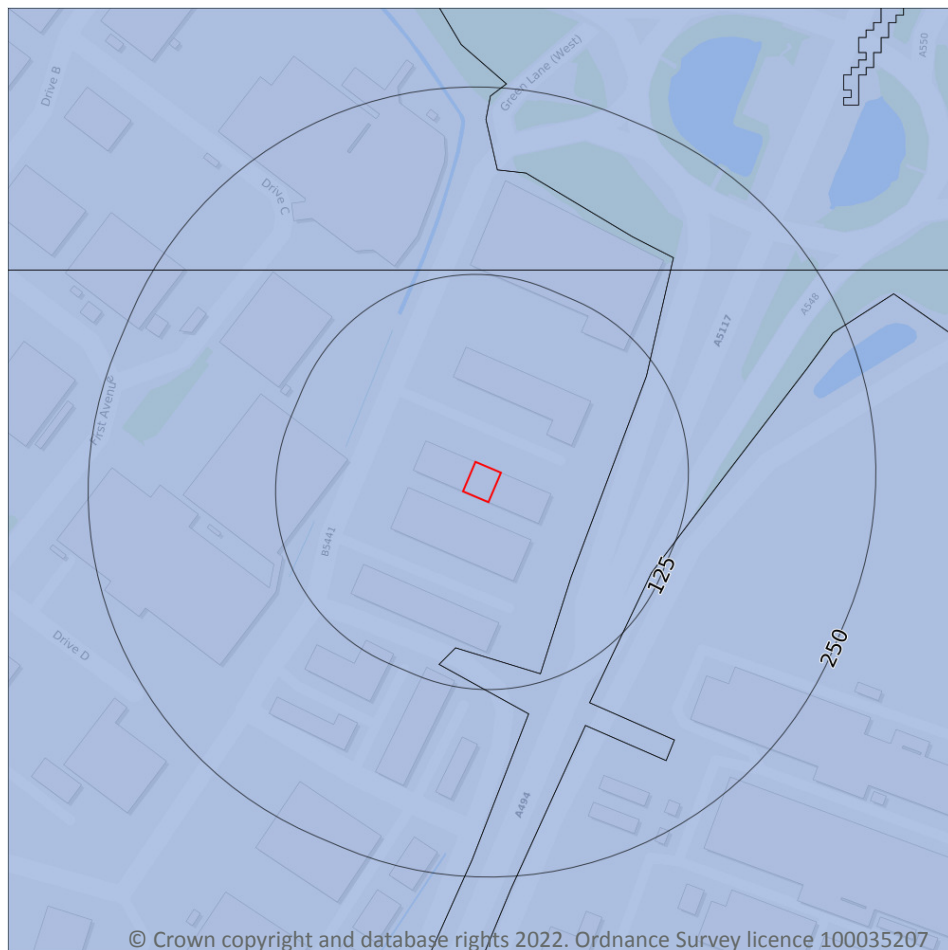
Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

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





## River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

### 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 55**

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.

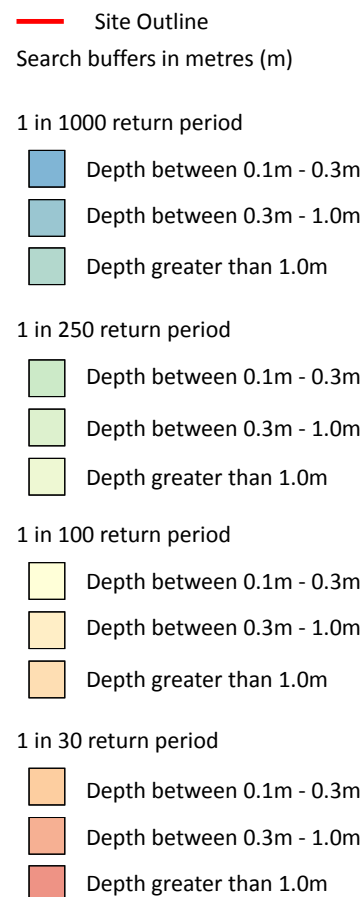
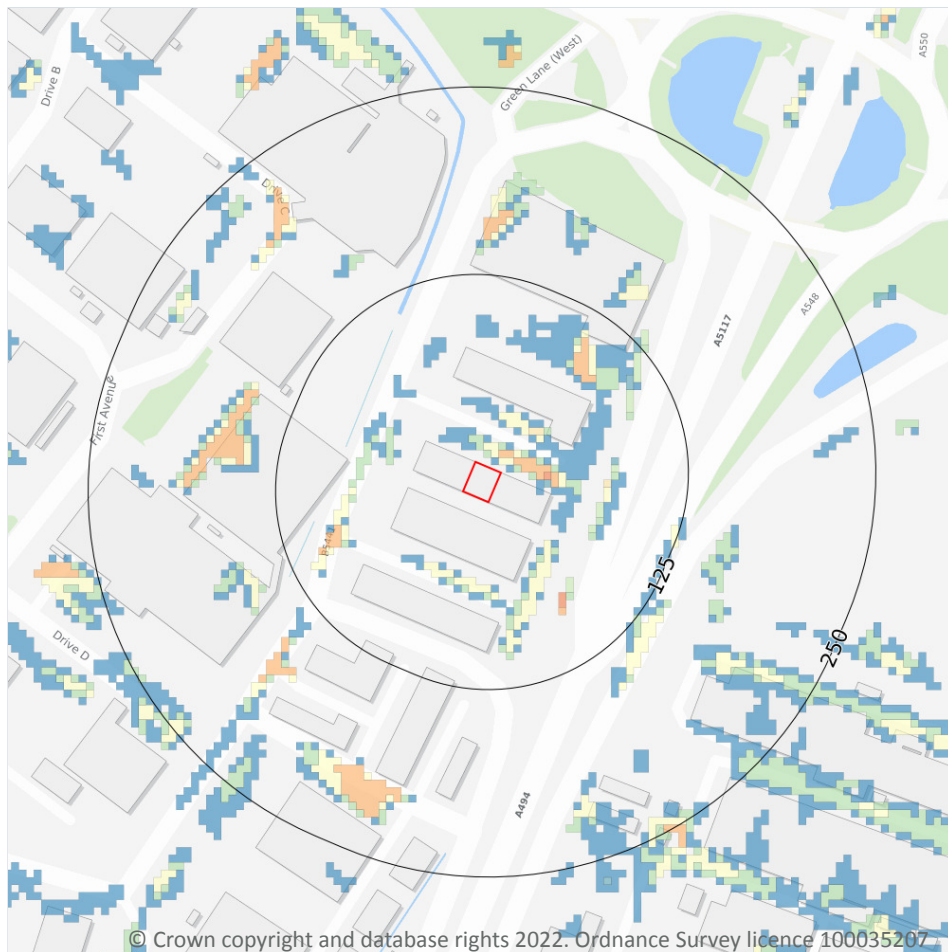
Features are displayed on the River and coastal flooding map on **page 55**

Location	Type
On site	Zone 3 - (Fluvial 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**

**Negligible**

**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 60**

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

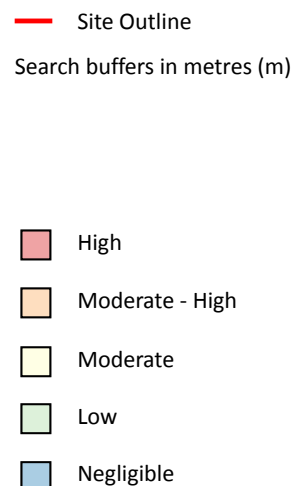
The table below shows the maximum flood depths for a range of return periods for the site.

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

*This data is sourced from Ambiantal Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

High

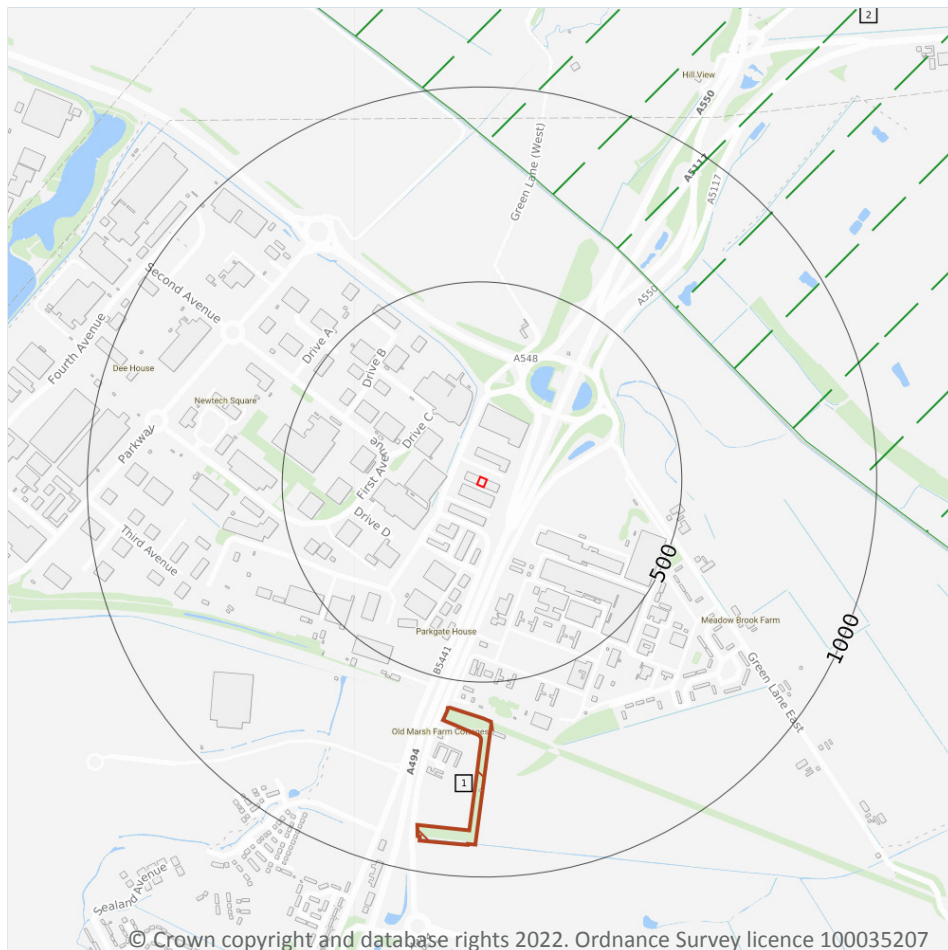
Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks 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 62**

*This data is sourced from Ambiantal Risk Analytics.*



## 10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland
- Green Belt

### 10.1 Sites of Special Scientific Interest (SSSI)

#### Records within 2000m

0

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

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

## 10.2 Conserved wetland sites (Ramsar sites)

**Records within 2000m****0**

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

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

## 10.3 Special Areas of Conservation (SAC)

**Records within 2000m****0**

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

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

## 10.4 Special Protection Areas (SPA)

**Records within 2000m****0**

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

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

## 10.5 National Nature Reserves (NNR)

**Records within 2000m****0**

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

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

## 10.6 Local Nature Reserves (LNR)

Records within 2000m

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

2

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

Features are displayed on the Environmental designations map on **page 63**

ID	Location	Name	Woodland Type
1	572m S	Unknown	Ancient Semi Natural Woodland
-	1882m NE	Shotwick Dale	Ancient & Semi-Natural Woodland

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

## 10.8 Biosphere Reserves

Records within 2000m

0

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

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

## 10.9 Forest Parks

Records within 2000m

0

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

*This data is sourced from the Forestry Commission.*



## 10.10 Marine Conservation Zones

Records within 2000m

0

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

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

## 10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 63**

ID	Location	Name	Local Authority name
2	655m NE	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

9

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	Shotwick Brook NVZ	Surface Water	708	Existing
On site	-	Surface Water	708	New
560m SE	-	Surface Water	708	New
560m NE	Shotwick Brook NVZ	Surface Water	708	Existing
944m N	Neston, England	Groundwater	3	Existing
947m N	-	Groundwater	3	Existing
1187m NW	-	Groundwater	148	Existing
1324m N	-	Groundwater	3	Existing



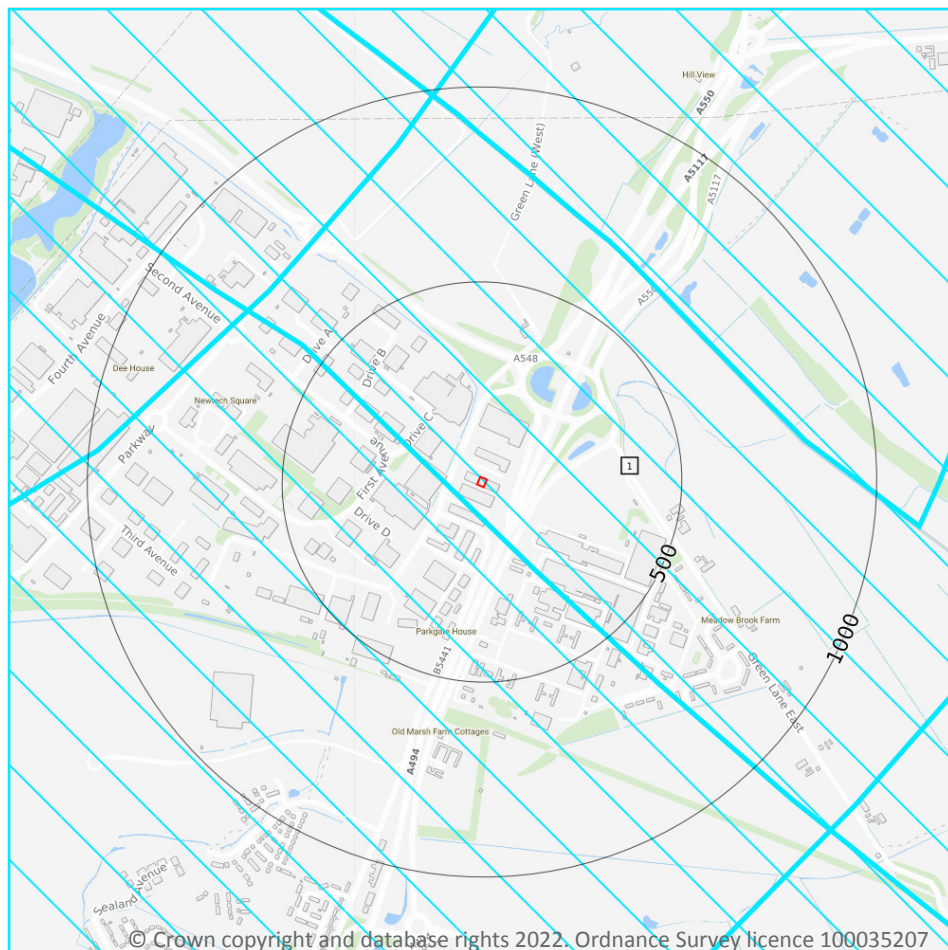
Location	Name	Type	NVZ ID	Status
1597m N	Neston, England	Groundwater	3	Existing

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





## SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

### 10.17 SSSI Impact Risk Zones

#### Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 69**

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t).</p> <p>Combustion - General combustion processes &gt;50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill.</p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

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

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

## 11 Visual and cultural designations

### 11.1 World Heritage Sites

Records within 250m

0

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

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

### 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

### 11.3 National Parks

Records within 250m

0

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

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

### 11.4 Listed Buildings

Records within 250m

0

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



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

## 11.5 Conservation Areas

Records within 250m

0

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

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

## 11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

## 11.7 Registered Parks and Gardens

Records within 250m

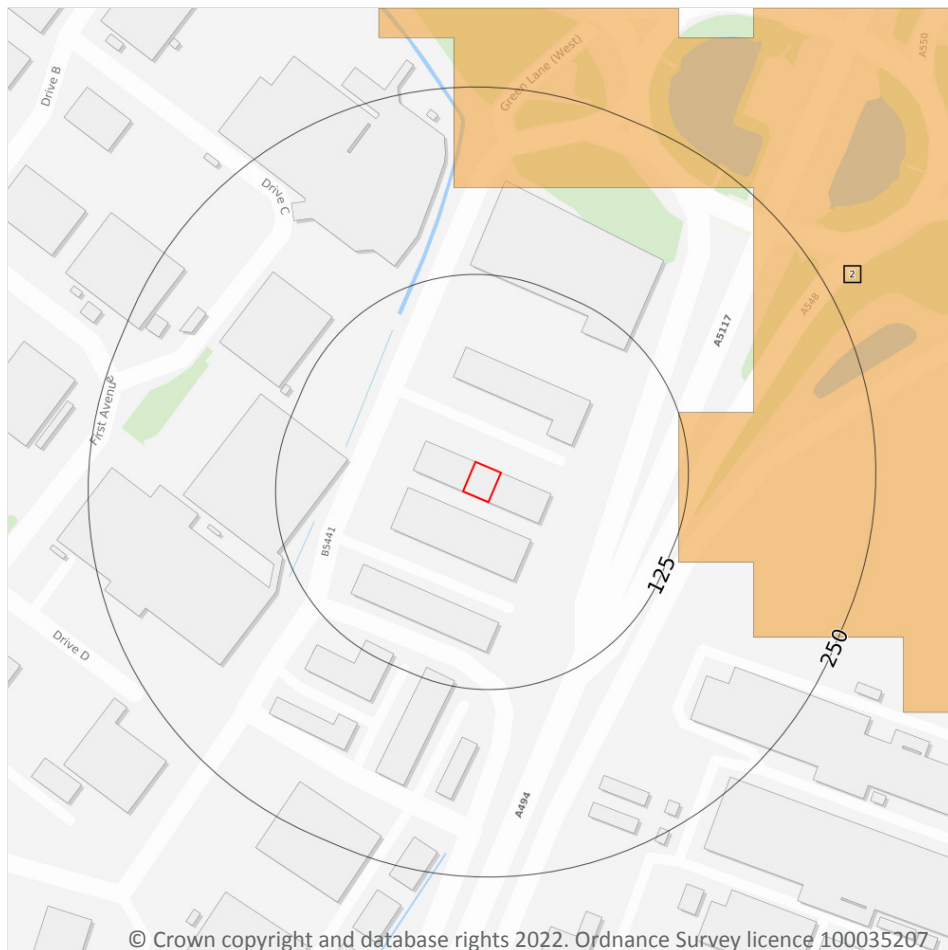
0

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

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



## 12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Timber felling licences
- Open Access land

### 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 73**

ID	Location	Classification	Description
2	119m E	Grade 2	Good quality agricultural land

*This data is sourced from Natural Resources Wales.*



## 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

0

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

*This data is sourced from Natural England.*

### 13.2 Habitat Networks

Records within 250m

0

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

*This data is sourced from Natural England.*

### 13.3 Open Mosaic Habitat

Records within 250m

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 76**

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

*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

### 14.3 Superficial geology (10k)

Records within 500m

0

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.

*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

### 14.5 Bedrock geology (10k)

Records within 500m

0

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.

*This data is sourced from the British Geological Survey.*

### 14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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.

*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. Where 50k data is not available, this area has been filled in with 625k scale data.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 80**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW108_flint_v4

*This data is sourced from the British Geological Survey.*





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



- Site Outline
- Search buffers in metres (m)
- Made ground
  - Worked ground
  - Infilled ground
  - Disturbed ground
  - Landscaped ground

### 15.2 Artificial and made ground (50k)

#### Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 81**

ID	Location	LEX Code	Description	Rock description
1	135m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	163m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	430m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

*This data is sourced from the British Geological Survey.*



## 15.3 Artificial ground permeability (50k)

Records within 50m

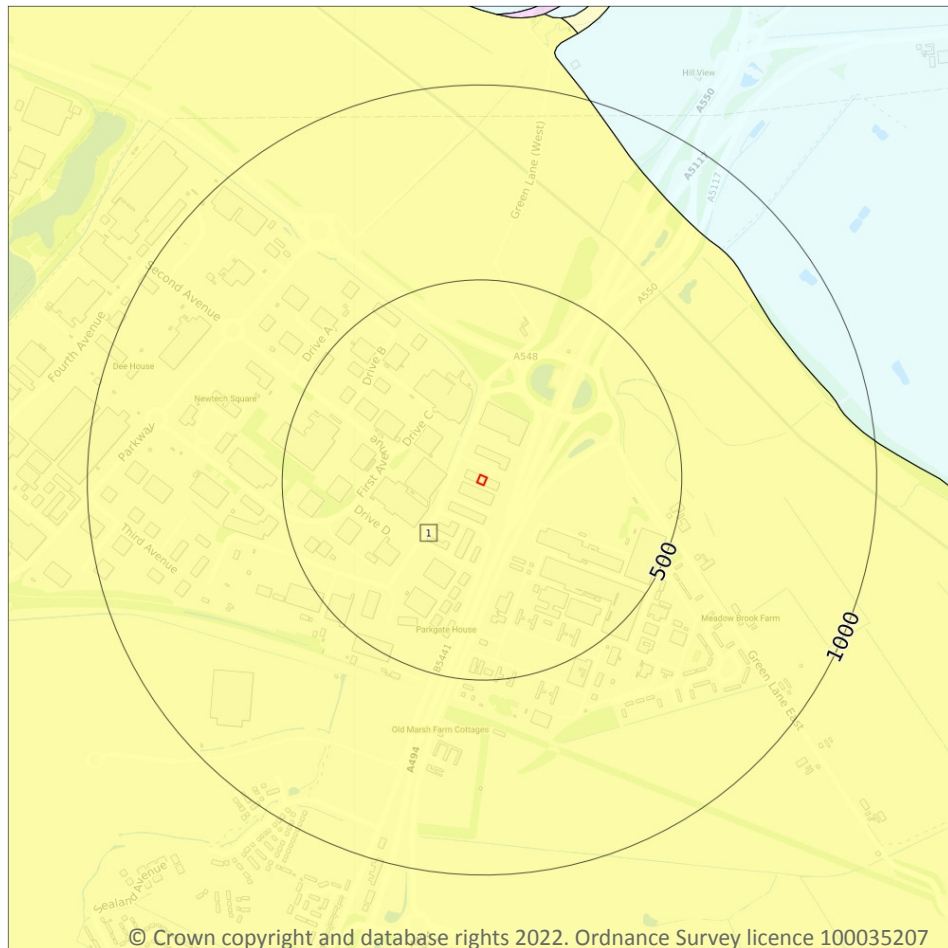
0

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

1

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 83**

ID	Location	LEX Code	Description	Rock description
1	On site	TFD-XCZS	TIDAL FLAT DEPOSITS	CLAY, SILT AND SAND

*This data is sourced from the British Geological Survey.*

## 15.5 Superficial permeability (50k)

**Records within 50m****1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Moderate	Very 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)

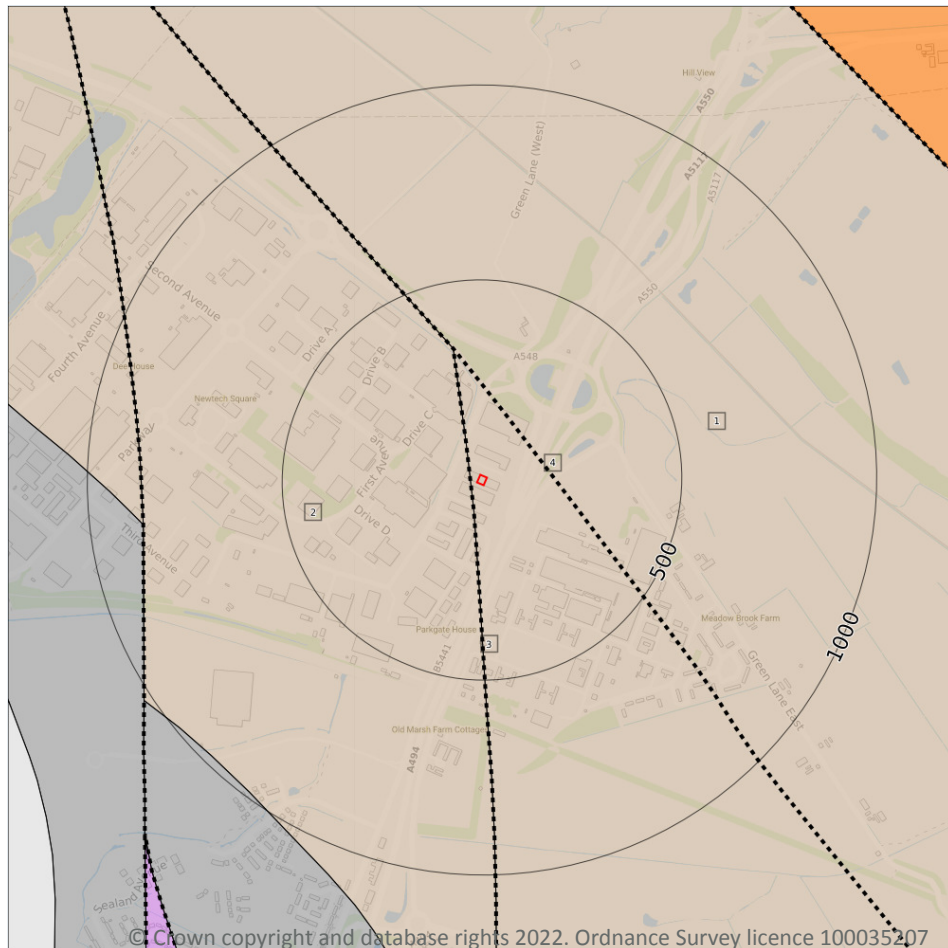
**Records within 50m****0**

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

2

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 85**

ID	Location	LEX Code	Description	Rock age
1	On site	KNSF-SDST	KINNERTON SANDSTONE FORMATION - SANDSTONE	-
2	16m W	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

**2**

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 85**

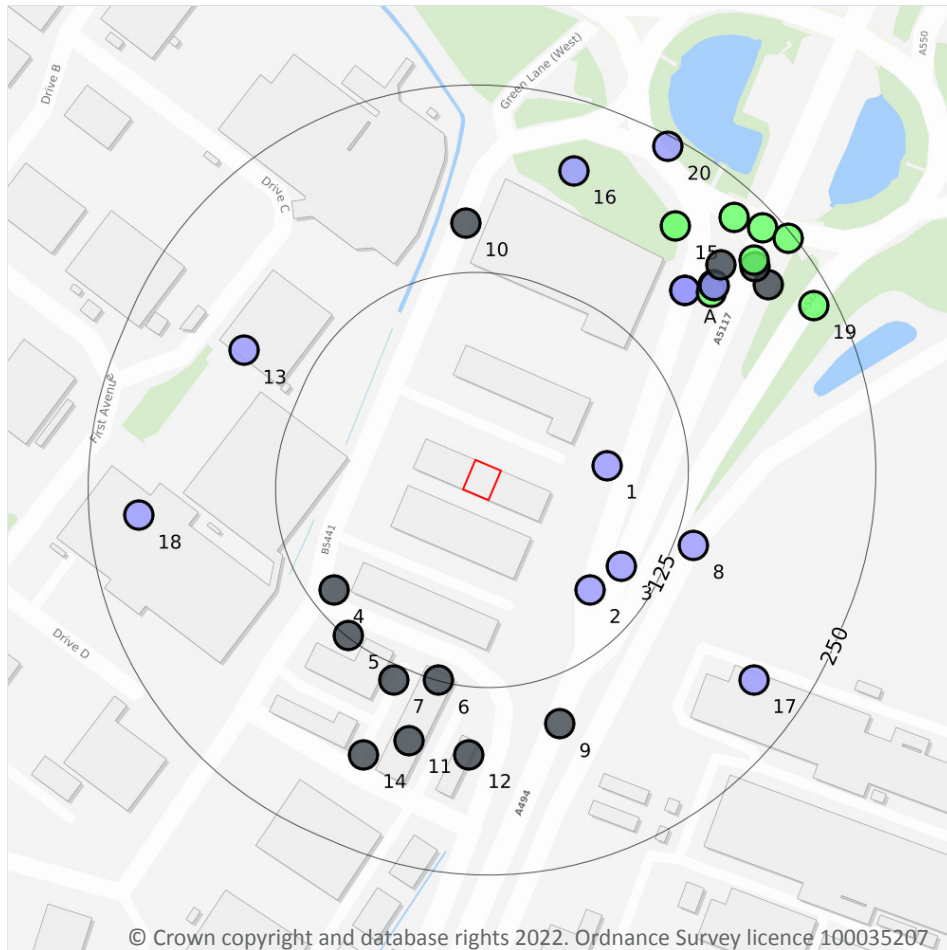
ID	Location	Category	Description
3	16m W	FAULT	Fault, inferred, displacement unknown
4	136m NE	FAULT	Fault, inferred

*This data is sourced from the British Geological Survey.*





## 16 Boreholes



— Site Outline  
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

### 16.1 BGS Boreholes

Records within 250m

32

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 87**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	71m E	333602 370513	A550 IMPROVEMENTS R2	10.0	N	<a href="#">157351</a>
2	91m SE	333591 370430	A550 IMPROVEMENTS R1	7.0	N	<a href="#">157350</a>
3	99m SE	333612 370446	A550 IMPROVEMENTS G5	10.0	N	<a href="#">157347</a>



ID	Location	Grid reference	Name	Length	Confidential	Web link
4	109m SW	333420 370430	DROME CORNER A550 19	-	Y	N/A
5	124m SW	333430 370400	DEESIDE INDUSTRIAL ESTATE QUEENSFERRY CLWYD TP6	-	Y	N/A
6	125m S	333490 370370	DEESIDE INDUSTRIAL ESTATE QUEENSFERRY CLWYD TP8	-	Y	N/A
7	135m SW	333460 370370	DEESIDE INDUSTRIAL ESTATE QUEENSFERRY CLWYD TP7	-	Y	N/A
8	138m E	333660 370460	A494/A550 IMPROV R1001	5.0	N	<a href="#">157470</a>
9	157m S	333571 370341	DROME CORNER A550 BH10	-	Y	N/A
10	158m N	333508 370675	DROME CORNER A550 BH21	-	Y	N/A
11	169m S	333470 370330	DEESIDE INDUSTRIAL ESTATE QUEENSFERRY CLWYD TP9	-	Y	N/A
12	171m S	333510 370320	DEESIDE INDUSTRIAL ESTATE QUEENSFERRY CLWYD TP11	-	Y	N/A
13	171m NW	333360 370590	DEESIDE INDUSTRIAL PARK SHOTTON 2	5.0	N	<a href="#">13096018</a>
A	172m NE	333654 370630	A550 IMPROVEMENTS R3	10.0	N	<a href="#">157352</a>
A	172m NE	333654 370630	A550 IMPROVEMENTS R3A	10.0	N	<a href="#">157353</a>
A	184m NE	333672 370629	A550 IMPROVEMENTS R94	15.0	N	<a href="#">157394</a>
A	188m NE	333673 370634	DROME CORNER A550 BHB3	-	Y	N/A
A	188m NE	333674 370633	A550 IMPROVEMENTS R93	10.0	N	<a href="#">157393</a>
14	189m SW	333440 370320	DEESIDE INDUSTRIAL ESTATE QUEENSFERRY CLWYD TP10	-	Y	N/A
15	201m NE	333648 370673	A550 IMPROVEMENTS B3	20.0	N	<a href="#">157312</a>
A	201m NE	333678 370647	DROME CORNER A550 BHB2	-	Y	N/A
16	204m N	333580 370710	DROME CORNER A550 B6	8.53	N	<a href="#">157519</a>
17	214m SE	333700 370370	DROME CORNER A550 B8	6.09	N	<a href="#">157520</a>
18	217m W	333290 370480	DEESIDE INDUSTRIAL PARK SHOTTON 1	5.0	N	<a href="#">13096012</a>
A	217m NE	333710 370634	DROME CORNER A550 BHB4	-	Y	N/A
A	217m NE	333701 370646	DROME CORNER A550 BHB1	-	Y	N/A
A	219m NE	333700 370650	DROME CORNER A550 B5	17.22	N	<a href="#">157518</a>
A	230m NE	333687 370679	A550 IMPROVEMENTS B1	30.0	N	<a href="#">157310</a>

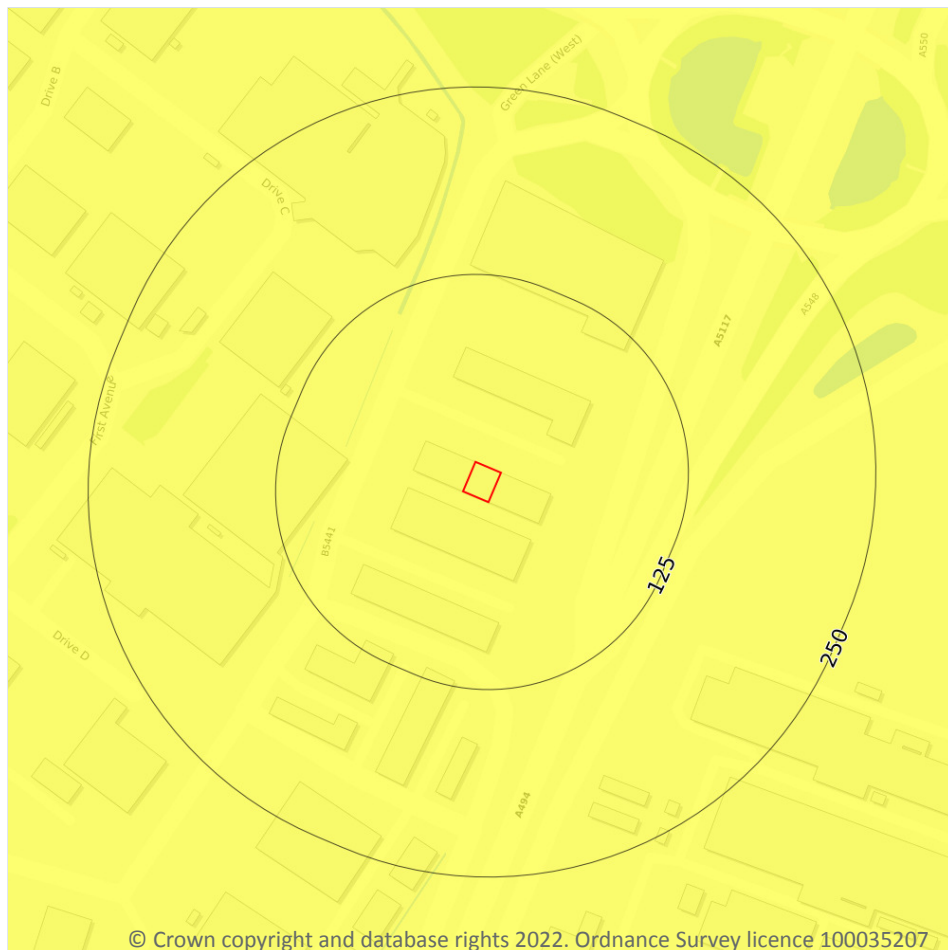


ID	Location	Grid reference	Name	Length	Confidential	Web link
19	236m NE	333740 370620	DROME CORNER A550 B9	12.03	N	<a href="#">157521</a>
A	238m NE	333706 370672	A550 IMPROVEMENTS B29	25.0	N	<a href="#">157331</a>
20	243m NE	333643 370726	A550 IMPROVEMENTS R6	10.0	N	<a href="#">157356</a>
A	247m NE	333723 370665	A550 IMPROVEMENTS B2	25.15	N	<a href="#">157311</a>

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☒ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 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).

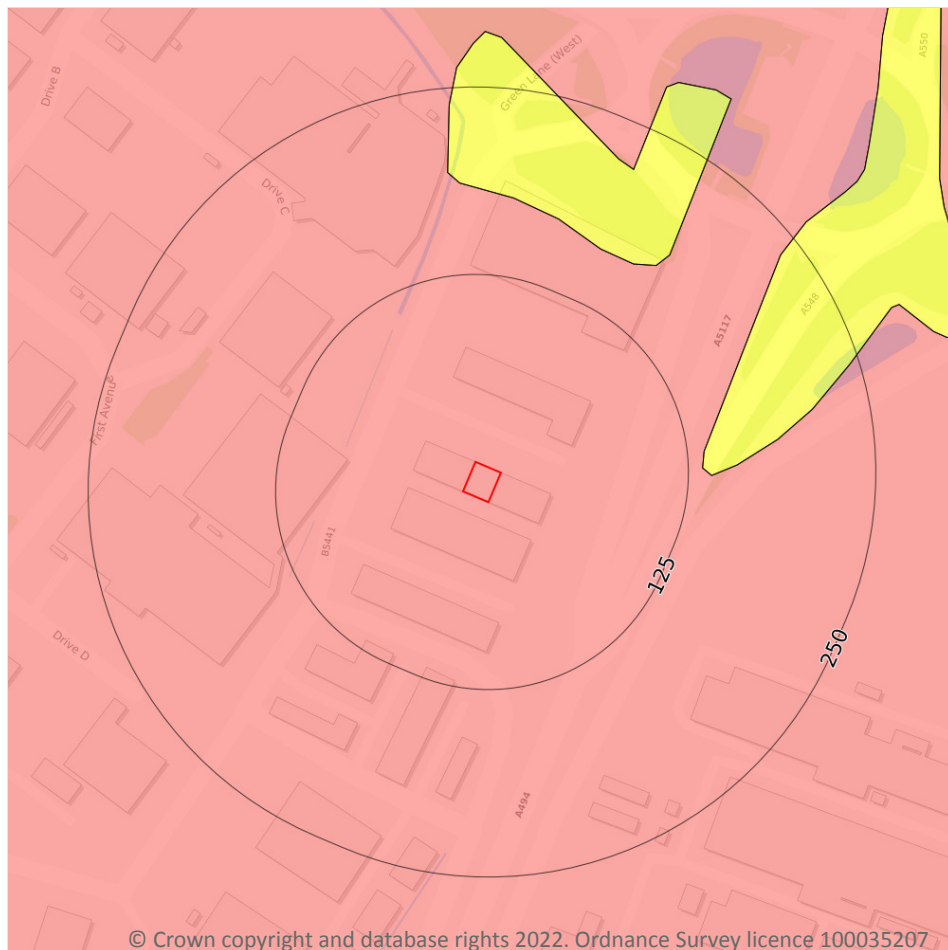
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 90**

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



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 17.2 Running sands

#### Records within 50m

1

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.

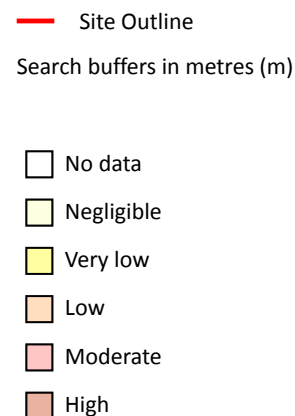
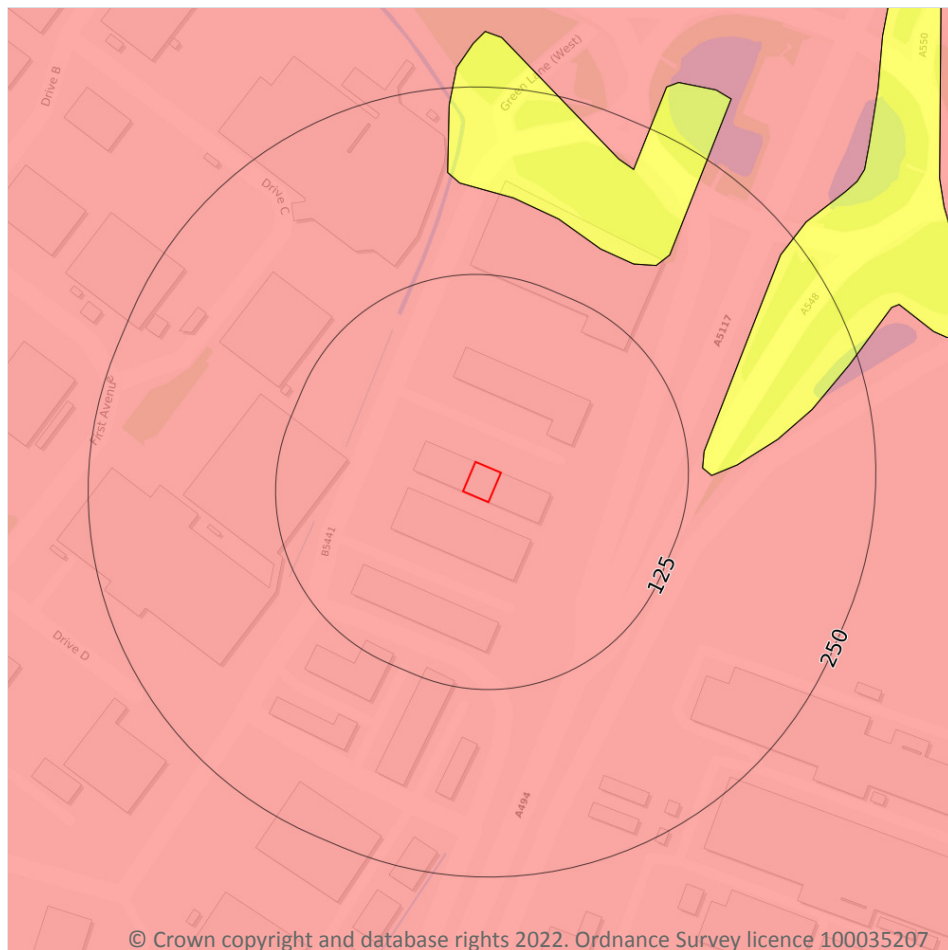
Features are displayed on the Natural ground subsidence - Running sands map on **page 91**

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.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

#### Records within 50m

1

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 92**

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.

*This data is sourced from the British Geological Survey.*





## Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 17.4 Collapsible deposits

#### Records within 50m

1

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

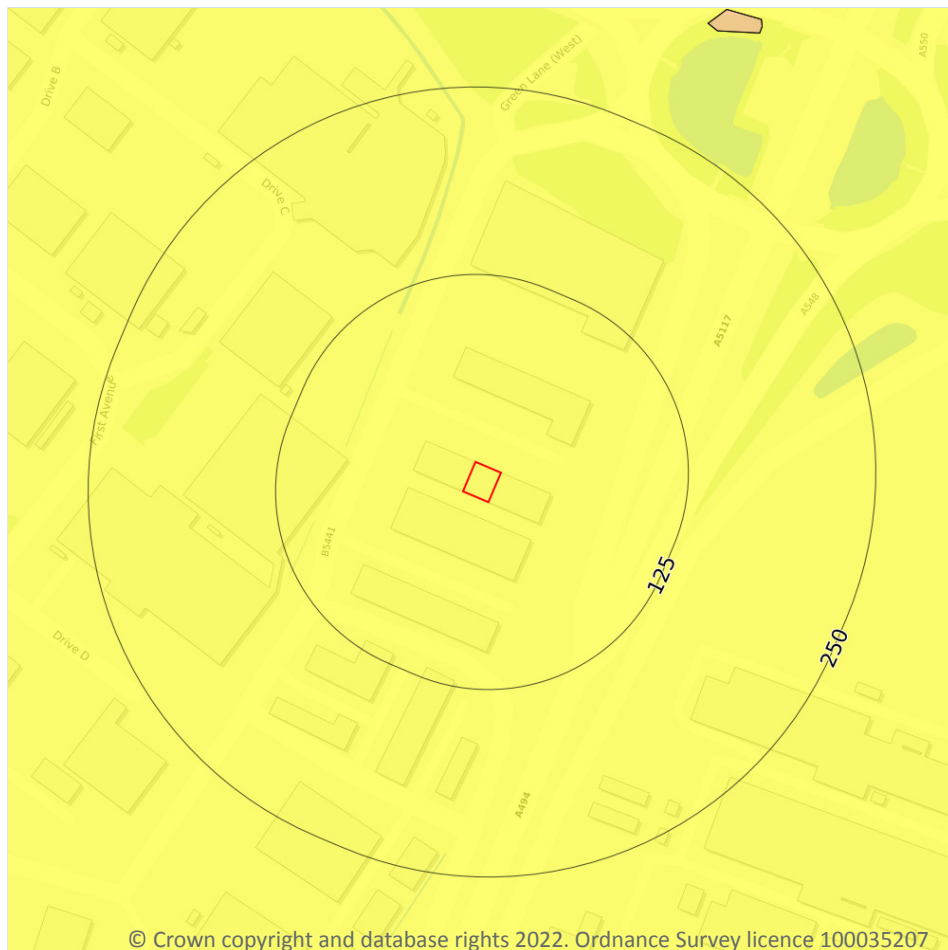
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 93**

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

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

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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 94**

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 95**

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

*This data is sourced from the British Geological Survey.*



## 18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

### 18.1 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.*

## 18.2 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.*

## 18.3 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.*

## 18.4 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.*

## 18.5 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

2

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 96**

ID	Location	Name	Commodity	Class	Likelihood
-	863m W	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	978m SW	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

*This data is sourced from the British Geological Survey.*

## 18.7 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.*

## 18.8 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.*

## 18.9 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.*

## 18.10 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.*

### 18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

### 18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

### 18.13 Clay mining

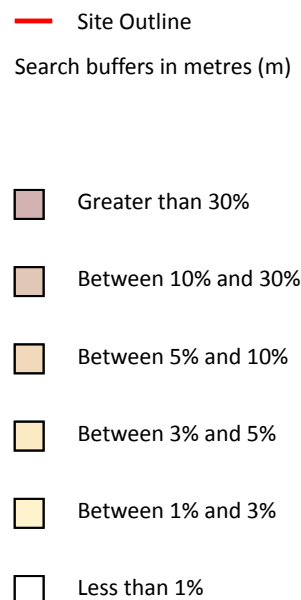
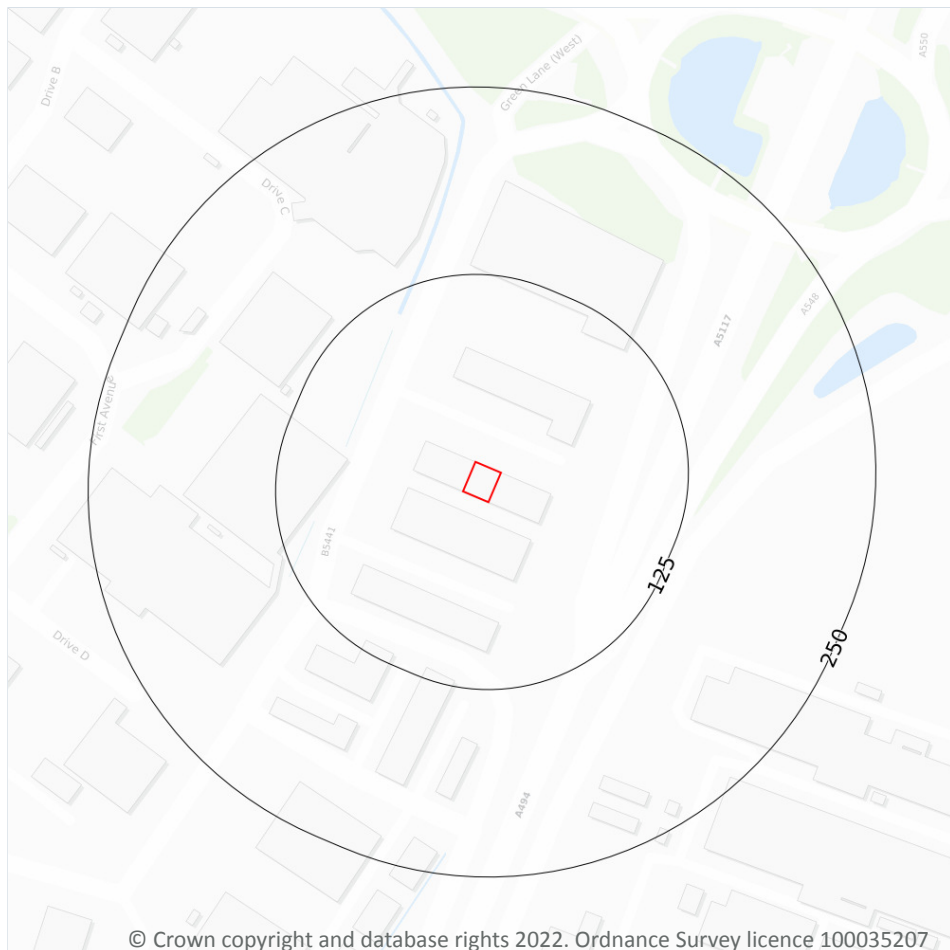
Records on site	0
-----------------	---

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 Radon



### 19.1 Radon

#### Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 100**

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

*This data is sourced from the British Geological Survey and Public Health England.*



## 20 Soil chemistry

### 20.1 BGS Estimated Background Soil Chemistry

Records within 50m

6

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; 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	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
6m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
7m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
16m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
17m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg

*This data is sourced from the British Geological Survey.*

### 20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

*This data is sourced from the British Geological Survey.*



## 20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

*This data is sourced from the British Geological Survey.*



## 21 Railway infrastructure and projects

### 21.1 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.*

### 21.2 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.*

### 21.3 Railway tunnels

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

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

### 21.4 Historical railway and tunnel features

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

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.

*This data is sourced from Ordnance Survey/Groundsure.*

### 21.5 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.*

## 21.6 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.*

## 21.7 Railways

**Records within 250m**

**0**

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

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 21.8 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.*

## 21.9 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.*

## 21.10 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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