Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

Specimen Address, Specimen Town

Order Details

Date: 22/04/2020

Your ref: Sample Report

Our Ref: Sample Report

Client: Sample Report

Site Details

Location: XXXXXX XXXXXX

Area: 1.08 ha

Authority: Derby City Council

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Summary of findings p. 2

OS MasterMap site plan p.13

Aerial image p. 8

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Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	0	3	6	22	-
16	1.2	Historical tanks	1	0	1	31	-
17	1.3	Historical energy features	0	2	10	26	-
19	1.4	Historical petrol stations	0	0	0	0	-
19	1.5	Historical garages	4	1	6	19	-
21	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**
22	2.1	Historical industrial land uses	0	6	6	39	-
24	2.2	Historical tanks	1	0	1	42	-
26	2.3	Historical energy features	0	7	24	55	-
30	2.4	Historical petrol stations	0	0	0	0	-
30	2.5	Historical garages	5	2	11	30	-
Page	**Section**	**Waste and landfill**	**On site**	**0-50m**	**50-250m**	**250-500m**	**500-2000m**
33	3.1	Active or recent landfill	0	0	0	0	-
33	3.2	Historical landfill (BGS records)	0	0	0	0	-
34	3.3	Historical landfill (LA/mapping records)	0	0	0	4	-
34	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
34	3.5	Historical waste sites	0	0	0	1	-
35	3.6	Licensed waste sites	0	0	0	1	-
35	3.7	Waste exemptions	0	0	3	10	-
Page	**Section**	**Current industrial land use**	**On site**	**0-50m**	**50-250m**	**250-500m**	**500-2000m**
37	4.1	Recent industrial land uses	1	3	22	-	-
39	4.2	Current or recent petrol stations	0	0	2	1	-
39	4.3	Electricity cables	0	0	0	0	-
40	4.4	Gas pipelines	0	0	0	0	-
40	4.5	Sites determined as Contaminated Land	0	0	0	0	-

40	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
40	4.7	Regulated explosive sites	0	0	0	0	-
40	4.8	Hazardous substance storage/usage	0	0	0	0	-
41	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
41	**4.10**	**Licensed industrial activities (Part A(1))**	0	0	0	4	-
42	**4.11**	**Licensed pollutant release (Part A(2)/B)**	0	0	2	7	-
43	**4.12**	**Radioactive Substance Authorisations**	0	0	0	14	-
45	**4.13**	**Licensed Discharges to controlled waters**	0	0	0	17	-
48	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
48	4.15	Pollutant release to public sewer	0	0	0	0	-
49	4.16	List 1 Dangerous Substances	0	0	0	0	-
49	4.17	List 2 Dangerous Substances	0	0	0	0	-
49	**4.18**	**Pollution Incidents (EA/NRW)**	0	0	3	3	-
50	4.19	Pollution inventory substances	0	0	0	0	-
50	**4.20**	**Pollution inventory waste transfers**	0	0	0	1	-
51	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
52	**5.1**	**Superficial aquifer**	Identified (within 500m)				
54	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
56	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
57	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
57	5.5	Groundwater vulnerability- local information	None (within 0m)				
58	**5.6**	**Groundwater abstractions**	0	0	0	1	6
60	**5.7**	**Surface water abstractions**	0	0	0	0	4
61	5.8	Potable abstractions	0	0	0	0	0
62	**5.9**	**Source Protection Zones**	0	0	0	3	-
62	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
63	**6.1**	**Water Network (OS MasterMap)**	2	0	0	-	-

64	6.2	Surface water features	0	0	0	-	-
64	**6.3**	**WFD Surface water body catchments**	1	-	-	-	-
64	**6.4**	**WFD Surface water bodies**	0	0	0	-	-
65	**6.5**	**WFD Groundwater bodies**	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
66	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
66	7.2	Historical Flood Events	0	0	0	-	-
66	7.3	Flood Defences	0	0	0	-	-
66	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
67	7.5	Flood Storage Areas	0	0	0	-	-
68	7.6	Flood Zone 2	None (within 50m)				
68	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
69	**8.1**	**Surface water flooding**	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
71	**9.1**	**Groundwater flooding**	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
72	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
73	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
73	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
73	10.4	Special Protection Areas (SPA)	0	0	0	0	0
73	10.5	National Nature Reserves (NNR)	0	0	0	0	0
74	**10.6**	**Local Nature Reserves (LNR)**	0	0	0	0	1
74	10.7	Designated Ancient Woodland	0	0	0	0	0
74	10.8	Biosphere Reserves	0	0	0	0	0
74	10.9	Forest Parks	0	0	0	0	0
75	10.10	Marine Conservation Zones	0	0	0	0	0
75	10.11	Green Belt	0	0	0	0	0
75	10.12	Proposed Ramsar sites	0	0	0	0	0

75	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
75	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
76	10.15	Nitrate Sensitive Areas	0	0	0	0	0
76	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
77	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
78	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
79	11.1	World Heritage Sites	0	0	0	-	-
80	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
80	11.3	National Parks	0	0	0	-	-
80	**11.4**	**Listed Buildings**	0	0	6	-	-
81	**11.5**	**Conservation Areas**	0	0	1	-	-
81	11.6	Scheduled Ancient Monuments	0	0	0	-	-
81	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
82	**12.1**	**Agricultural Land Classification**	Urban (within 250m)				
83	12.2	Open Access Land	0	0	0	-	-
83	12.3	Tree Felling Licences	0	0	0	-	-
83	12.4	Environmental Stewardship Schemes	0	0	0	-	-
83	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
84	13.1	Priority Habitat Inventory	0	0	0	-	-
84	13.2	Habitat Networks	0	0	0	-	-
84	13.3	Open Mosaic Habitat	0	0	0	-	-
84	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
85	**14.1**	**10k Availability**	Identified (within 500m)				
86	14.2	Artificial and made ground (10k)	0	0	0	0	-
87	14.3	Superficial geology (10k)	0	0	0	0	-

87	14.4	Landslip (10k)	0	0	0	0	-
88	14.5	Bedrock geology (10k)	0	0	0	0	-
88	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
89	**15.1**	**50k Availability**	Identified (within 500m)				
90	15.2	Artificial and made ground (50k)	0	0	0	0	-
90	15.3	Artificial ground permeability (50k)	0	0	-	-	-
91	**15.4**	**Superficial geology (50k)**	0	1	2	3	-
92	**15.5**	**Superficial permeability (50k)**	Identified (within 50m)				
92	15.6	Landslip (50k)	0	0	0	0	-
92	15.7	Landslip permeability (50k)	None (within 50m)				
93	**15.8**	**Bedrock geology (50k)**	2	0	4	0	-
94	**15.9**	**Bedrock permeability (50k)**	Identified (within 50m)				
94	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
95	**16.1**	**BGS Boreholes**	0	1	22	-	-
Page	Section	Natural ground subsidence					
97	**17.1**	**Shrink swell clays**	Very low (within 50m)				
98	**17.2**	**Running sands**	Very low (within 50m)				
100	**17.3**	**Compressible deposits**	Negligible (within 50m)				
101	**17.4**	**Collapsible deposits**	Very low (within 50m)				
102	**17.5**	**Landslides**	Very low (within 50m)				
103	**17.6**	**Ground dissolution of soluble rocks**	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
105	18.1	Natural cavities	0	0	0	0	-
106	18.2	BritPits	0	0	0	0	-
106	**18.3**	**Surface ground workings**	0	0	2	-	-
106	18.4	Underground workings	0	0	0	0	0
106	18.5	Historical Mineral Planning Areas	0	0	0	0	-

107	18.6	Non-coal mining	0	0	0	0	0
107	18.7	Mining cavities	0	0	0	0	0
107	18.8	JPB mining areas	None (within 0m)				
107	18.9	Coal mining	None (within 0m)				
107	18.10	Brine areas	None (within 0m)				
108	18.11	Gypsum areas	None (within 0m)				
108	18.12	Tin mining	None (within 0m)				
108	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
109	**19.1**	**Radon**	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
111	**20.1**	**BGS Estimated Background Soil Chemistry**	2	2	-	-	-
111	**20.2**	**BGS Estimated Urban Soil Chemistry**	4	6	-	-	-
112	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
113	21.1	Underground railways (London)	0	0	0	-	-
113	21.2	Underground railways (Non-London)	0	0	0	-	-
114	21.3	Railway tunnels	0	0	0	-	-
114	**21.4**	**Historical railway and tunnel features**	0	0	1	-	-
114	21.5	Royal Mail tunnels	0	0	0	-	-
114	21.6	Historical railways	0	0	0	-	-
115	21.7	Railways	0	0	0	-	-
115	21.8	Crossrail 1	0	0	0	0	-
115	21.9	Crossrail 2	0	0	0	0	-
115	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 20/04/2019

Site Area: 1.08ha

Recent site history - 2018 aerial photograph

Capture Date: 01/07/2018

Site Area: 1.08ha

Recent site history - 2015 aerial photograph

Capture Date: 04/06/2015

Site Area: 1.08ha

Recent site history - 2007 aerial photograph

Capture Date: 01/05/2007

Site Area: 1.08ha

Recent site history - 1999 aerial photograph

Capture Date: 17/11/1999

Site Area: 1.08ha

OS MasterMap site plan

Site Area: 1.08ha

1 Past land use

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Site Outline

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

1.1 Historical industrial land uses

Records within 500m	31

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
B	26m SE	Infirmary	1969 - 1973	1694611

ID	Location	Land use	Dates present	Group ID
B	32m SE	Infirmary	1955	1644294
B	34m SE	Infirmary	1899 - 1938	1698789
B	134m SE	Infirmary	1882	1748422
G	137m NE	Unspecified Depot	1984	1731103
G	138m NE	Unspecified Depot	1973	1620451
B	142m SE	Infirmary	1984	1685134
4	142m SE	Infirmary	1992	1671541
6	205m NW	Unspecified Pit	1882	1610967
J	270m NE	Unspecified Works	1973	1598280
10	290m SE	Unspecified Heap	1882	1568183
N	315m SW	Lead Works	1882	1578822
N	340m SW	Unspecified Commercial/Industrial	1899 - 1938	1669813
N	343m SW	Unspecified Works	1969	1598292
N	343m SW	Unspecified Commercial/Industrial	1973	1628407
N	343m SW	Unspecified Commercial/Industrial	1984 - 1992	1630635
P	365m E	Unspecified Commercial/Industrial	1984 - 1992	1665098
P	365m E	Unspecified Works	1969 - 1973	1697892
14	368m NE	Disused Canal	1969	1731768
R	383m N	Bus Station	1984 - 1992	1615586
U	421m S	Unspecified Heaps	1984 - 1992	1708075
U	421m S	Unspecified Heaps	1969 - 1973	1726076
21	429m S	Unspecified Heap	1882	1568185
U	433m S	Unspecified Heaps	1882	1729139
W	444m E	Unspecified Works	1973	1598281
W	444m E	Unspecified Commercial/Industrial	1984 - 1992	1691746
X	455m N	Unspecified Commercial/Industrial	1913	1562763
AB	476m S	China Works	1882 - 1938	1716557
AB	480m SE	Unspecified Works	1984 - 1992	1656236

ID	Location	Land use	Dates present	Group ID
AB	480m SE	Unspecified Works	1969 - 1973	1689356
X	498m N	Railway Sidings	1882 - 1938	1644075

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**33**

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 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
A	**On site**	**Unspecified Tank**	**1883**	**252136**
7	232m N	Unspecified Tank	1883	252137
K	272m NW	Unspecified Tank	1884	266324
K	273m NW	Unspecified Tank	1883	267302
L	294m N	Unspecified Tank	1883	252134
J	296m NE	Unspecified Tank	1973	252133
12	335m E	Unspecified Tank	1973	252110
J	344m NE	Unspecified Tank	1973	252132
O	361m NE	Unspecified Tank	1963	269272
O	361m NE	Unspecified Tank	1973	275597
O	362m NE	Unspecified Tank	1965	269372
O	369m NE	Tanks	1965	259981
O	370m NE	Unspecified Tank	1963	252131
Q	371m NW	Unspecified Tank	1950 - 1967	271218
15	377m N	Unspecified Tank	1884 - 1901	269469
Q	380m NW	Unspecified Tank	1950 - 1965	271143

ID	Location	Land use	Dates present	Group ID
18	388m SE	Unspecified Tank	1951	252107
20	413m NW	Unspecified Tank	1883	252141
P	422m E	Tanks	1950	278915
P	427m E	Tanks	1950	274957
P	428m E	Unspecified Tank	1951	252108
P	428m E	Tanks	1950	270666
R	446m N	Tanks	1901	259980
R	447m N	Unspecified Tank	1914	252135
R	451m N	Unspecified Tank	1883 - 1884	276604
Z	466m SW	Unspecified Tank	1990	251793
AA	468m NE	Unspecified Tank	1901	252129
22	468m SW	Unspecified Tank	1883	251794
V	468m E	Unspecified Tank	1883	252109
Z	474m SW	Unspecified Tank	1949 - 1964	269223
AA	483m NE	Unspecified Tank	1901	252130
23	484m N	Unspecified Tank	1883 - 1901	271841
AA	488m NE	Unspecified Tank	1901	252128

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**38**

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 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
C	34m SE	Electricity Substation	1973	159856

ID	Location	Land use	Dates present	Group ID
C	35m SE	Electricity Substation	1988 - 1997	158122
E	124m W	Electricity Substation	1990	166637
F	124m N	Electricity Substation	1988 - 1997	151955
E	127m W	Electricity Substation	1996	161199
E	127m W	Electricity Substation	1996	161933
F	127m N	Electricity Substation	1973 - 1995	160179
3	129m NW	Electricity Substation	1984 - 1996	167443
H	147m SE	Electricity Substation	1973 - 1990	165172
H	156m SE	Electricity Substation	1995 - 1997	162304
I	224m SE	Electricity Substation	1949 - 1950	163384
I	236m SE	Electricity Substation	1990	147994
8	250m W	Electricity Substation	1984 - 1996	157841
J	254m NE	Electricity Substation	1997	148008
K	275m NW	Electricity Substation	1973 - 1996	166168
K	277m NW	Electricity Substation	1984 - 1990	151369
K	298m NW	Electricity Substation	1984 - 1996	155090
L	299m N	Electricity Substation	1990 - 1999	158780
J	374m NE	Electricity Substation	1990 - 1999	161617
J	375m NE	Electricity Substation	1990	148009
17	388m E	Electricity Substation	1973	148011
S	393m N	Electricity Substation	1987 - 1990	164247
N	395m SW	Electricity Substation	1950	147998
N	395m SW	Electricity Substation	1949	147999
S	400m N	Electricity Substation	1967	166339
S	400m N	Electricity Substation	-	147231
S	400m N	Electricity Substation	1996	152841
S	400m N	Electricity Substation	1994	156582
S	400m N	Electricity Substation	1994	156762

ID	Location	Land use	Dates present	Group ID
S	400m N	Electricity Substation	1996	165994
19	404m SE	Electricity Substation	1982	147993
P	415m E	Electricity Substation	1988 - 1990	163565
P	416m E	Electricity Substation	1951 - 1997	157445
T	421m SW	Electricity Substations	1949 - 1950	164047
V	437m E	Electricity Substation	1996 - 1997	167873
V	441m E	Electricity Substation	1987 - 1990	161109
T	444m SW	Electricity Substation	1971	147995
T	448m SW	Electricity Substation	1990	147996

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 un-grouped 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	30

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 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
A	**On site**	**Garage**	**1950**	**47292**
A	**On site**	**Garage**	**1964**	**50373**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Garage**	**1973**	**50856**
A	**On site**	**Garage**	**1965**	**53293**
1	33m NE	Garage	1950 - 1951	51362
2	74m NW	Garage	1950	47291
D	124m W	Garage	1996	54176
D	160m W	Garage	1973	48295
D	169m W	Garage	1964 - 1990	53557
D	169m W	Garage	1950	50325
5	199m NE	Garage	1950 - 1951	53570
9	256m SW	Garage	1950	47297
M	297m W	Garage	1973 - 1984	51561
M	297m W	Garage	1964	48427
L	297m N	Garage	1963 - 1965	51472
M	297m W	Garage	1950 - 1965	52104
11	332m SW	Garage	1949 - 1964	54289
N	344m SW	Garage	1971 - 1990	52894
13	348m W	Garage	1950	47307
16	381m NW	Garage	1950	47308
N	421m SW	Garage	1964	48887
N	421m SW	Garage	1949	49310
N	421m SW	Garage	1971	49276
Y	461m W	Garage	1973	47298
Y	482m W	Garage	1969	50925
Y	483m W	Garage	1979	48362
AC	491m E	Garage	1966 - 1990	52752
AC	491m E	Garage	1966	50227
AC	491m E	Station Garages	1949	47851
AC	492m E	Garage	1996 - 1997	51581

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped

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Site Outline

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m	51

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

Features are displayed on the Past land use - un-grouped map on **page 22**

ID	Location	Land Use	Date	Group ID
B	26m SE	Infirmary	1969	1694611
B	26m SE	Infirmary	1973	1694611
B	32m SE	Infirmary	1955	1644294

ID	Location	Land Use	Date	Group ID
B	34m SE	Infirmary	1938	1698789
B	34m SE	Infirmary	1899	1698789
B	34m SE	Infirmary	1913	1698789
B	134m SE	Infirmary	1882	1748422
I	137m NE	Unspecified Depot	1984	1731103
I	138m NE	Unspecified Depot	1973	1620451
B	142m SE	Infirmary	1984	1685134
2	142m SE	Infirmary	1992	1671541
3	205m NW	Unspecified Pit	1882	1610967
M	270m NE	Unspecified Works	1973	1598280
6	290m SE	Unspecified Heap	1882	1568183
Q	315m SW	Lead Works	1882	1578822
Q	340m SW	Unspecified Commercial/Industrial	1938	1669813
Q	340m SW	Unspecified Commercial/Industrial	1899	1669813
Q	340m SW	Unspecified Commercial/Industrial	1913	1669813
Q	343m SW	Unspecified Commercial/Industrial	1992	1630635
Q	343m SW	Unspecified Commercial/Industrial	1984	1630635
Q	343m SW	Unspecified Commercial/Industrial	1973	1628407
Q	343m SW	Unspecified Works	1969	1598292
T	365m E	Unspecified Commercial/Industrial	1992	1665098
T	365m E	Unspecified Commercial/Industrial	1984	1665098
T	365m E	Unspecified Works	1973	1697892
T	365m E	Unspecified Works	1969	1697892
9	368m NE	Disused Canal	1969	1731768
W	383m N	Bus Station	1992	1615586
W	383m N	Bus Station	1984	1615586
Z	421m S	Unspecified Heaps	1992	1708075
Z	421m S	Unspecified Heaps	1984	1708075

ID	Location	Land Use	Date	Group ID
Z	421m S	Unspecified Heaps	1973	1726076
Z	421m S	Unspecified Heaps	1969	1726076
15	429m S	Unspecified Heap	1882	1568185
Z	433m S	Unspecified Heaps	1882	1729139
AB	444m E	Unspecified Commercial/Industrial	1992	1691746
AB	444m E	Unspecified Commercial/Industrial	1984	1691746
AB	444m E	Unspecified Works	1973	1598281
AC	455m N	Unspecified Commercial/Industrial	1913	1562763
AF	476m S	China Works	1882	1716557
AF	476m S	China Works	1938	1716557
AF	476m S	China Works	1899	1716557
AF	476m S	China Works	1913	1716557
AF	480m SE	Unspecified Works	1992	1656236
AF	480m SE	Unspecified Works	1984	1656236
AF	480m SE	Unspecified Works	1973	1689356
AF	480m SE	Unspecified Works	1969	1689356
AC	498m N	Railway Sidings	1882	1644075
AC	498m N	Railway Sidings	1938	1644075
AC	498m N	Railway Sidings	1899	1644075
AC	498m N	Railway Sidings	1913	1644075

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	44

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 22**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Tank**	**1883**	**252136**
4	232m N	Unspecified Tank	1883	252137
N	272m NW	Unspecified Tank	1884	266324
N	273m NW	Unspecified Tank	1883	267302
O	294m N	Unspecified Tank	1883	252134
M	296m NE	Unspecified Tank	1973	252133
7	335m E	Unspecified Tank	1973	252110
M	344m NE	Unspecified Tank	1973	252132
S	361m NE	Unspecified Tank	1973	275597
S	361m NE	Unspecified Tank	1963	269272
S	362m NE	Unspecified Tank	1965	269372
S	369m NE	Tanks	1965	259981
S	370m NE	Unspecified Tank	1963	252131
U	371m NW	Unspecified Tank	1967	271218
U	371m NW	Unspecified Tank	1950	271218
U	371m NW	Unspecified Tank	1950	271218
U	371m NW	Unspecified Tank	1965	271218
V	377m N	Unspecified Tank	1884	269469
V	377m N	Unspecified Tank	1901	269469
U	380m NW	Unspecified Tank	1965	271143
U	380m NW	Unspecified Tank	1950	271143
12	388m SE	Unspecified Tank	1951	252107
14	413m NW	Unspecified Tank	1883	252141
T	422m E	Tanks	1950	278915
T	423m E	Tanks	1950	278915
T	427m E	Tanks	1950	274957
T	428m E	Tanks	1950	270666
T	428m E	Unspecified Tank	1951	252108

ID	Location	Land Use	Date	Group ID
W	446m N	Tanks	1901	259980
W	447m N	Unspecified Tank	1914	252135
W	451m N	Unspecified Tank	1883	276604
W	451m N	Unspecified Tank	1884	276604
Q	466m SW	Unspecified Tank	1990	251793
AE	468m NE	Unspecified Tank	1901	252129
Q	468m SW	Unspecified Tank	1883	251794
AA	468m E	Unspecified Tank	1883	252109
Q	474m SW	Unspecified Tank	1964	269223
Q	474m SW	Unspecified Tank	1950	269223
Q	474m SW	Unspecified Tank	1949	269223
AE	483m NE	Unspecified Tank	1901	252130
AG	484m N	Unspecified Tank	1883	271841
AG	485m N	Unspecified Tank	1884	271841
AG	485m N	Unspecified Tank	1901	271841
AE	488m NE	Unspecified Tank	1901	252128

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**86**

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 22**

ID	Location	Land Use	Date	Group ID
D	34m SE	Electricity Substation	1973	159856
D	35m SE	Electricity Substation	1990	158122
D	35m SE	Electricity Substation	1988	158122
D	35m SE	Electricity Substation	1995	158122

ID	Location	Land Use	Date	Group ID
D	35m SE	Electricity Substation	1997	158122
D	35m SE	Electricity Substation	1995	158122
D	35m SE	Electricity Substation	1997	158122
F	124m W	Electricity Substation	1990	166637
G	124m N	Electricity Substation	1990	151955
G	124m N	Electricity Substation	1988	151955
G	125m N	Electricity Substation	1997	151955
G	125m N	Electricity Substation	1995	151955
G	125m N	Electricity Substation	1997	151955
F	127m W	Electricity Substation	1996	161933
F	127m W	Electricity Substation	1996	161199
G	127m N	Electricity Substation	1995	160179
G	128m N	Electricity Substation	1973	160179
H	129m NW	Electricity Substation	1996	167443
H	129m NW	Electricity Substation	1996	167443
H	130m NW	Electricity Substation	1990	167443
H	130m NW	Electricity Substation	1984	167443
B	147m SE	Electricity Substation	1990	165172
B	147m SE	Electricity Substation	1988	165172
B	147m SE	Electricity Substation	1973	165172
B	156m SE	Electricity Substation	1995	162304
B	156m SE	Electricity Substation	1997	162304
B	156m SE	Electricity Substation	1995	162304
B	156m SE	Electricity Substation	1997	162304
K	224m SE	Electricity Substation	1950	163384
K	225m SE	Electricity Substation	1949	163384
K	236m SE	Electricity Substation	1990	147994
L	250m W	Electricity Substation	1996	157841

ID	Location	Land Use	Date	Group ID
L	250m W	Electricity Substation	1996	157841
L	251m W	Electricity Substation	1990	157841
L	251m W	Electricity Substation	1984	157841
M	254m NE	Electricity Substation	1997	148008
N	275m NW	Electricity Substation	1996	166168
N	275m NW	Electricity Substation	1996	166168
N	275m NW	Electricity Substation	1973	166168
N	277m NW	Electricity Substation	1990	151369
N	277m NW	Electricity Substation	1984	151369
N	298m NW	Electricity Substation	1996	155090
N	298m NW	Electricity Substation	1996	155090
O	299m N	Electricity Substation	1999	158780
O	299m N	Electricity Substation	1999	158780
N	299m NW	Electricity Substation	1990	155090
N	299m NW	Electricity Substation	1984	155090
O	300m N	Electricity Substation	1990	158780
O	300m N	Electricity Substation	1990	158780
M	374m NE	Electricity Substation	1990	161617
M	374m NE	Electricity Substation	1990	161617
M	375m NE	Electricity Substation	1990	148009
M	376m NE	Electricity Substation	1999	161617
M	376m NE	Electricity Substation	1999	161617
11	388m E	Electricity Substation	1973	148011
X	393m N	Electricity Substation	1987	164247
X	393m N	Electricity Substation	1990	164247
X	393m N	Electricity Substation	1990	164247
X	393m N	Electricity Substation	1987	164247
Q	395m SW	Electricity Substation	1950	147998

ID	Location	Land Use	Date	Group ID
Q	395m SW	Electricity Substation	1949	147999
X	400m N	Electricity Substation	1967	166339
X	400m N	Electricity Substation	1994	156762
X	400m N	Electricity Substation	1996	165994
X	400m N	Electricity Substation	1994	156582
X	400m N	Electricity Substation	1996	152841
X	400m N	Electricity Substation	-	147231
13	404m SE	Electricity Substation	1982	147993
T	415m E	Electricity Substation	1990	163565
T	415m E	Electricity Substation	1988	163565
T	416m E	Electricity Substation	1951	157445
T	416m E	Electricity Substation	1973	157445
T	416m E	Electricity Substation	1995	157445
T	416m E	Electricity Substation	1997	157445
T	416m E	Electricity Substation	1995	157445
T	416m E	Electricity Substation	1997	157445
Y	421m SW	Electricity Substations	1950	164047
Y	421m SW	Electricity Substations	1949	164047
AA	437m E	Electricity Substation	1997	167873
AA	437m E	Electricity Substation	1996	167873
AA	437m E	Electricity Substation	1997	167873
AA	437m E	Electricity Substation	1996	167873
AA	441m E	Electricity Substation	1990	161109
AA	441m E	Electricity Substation	1987	161109
Y	444m SW	Electricity Substation	1971	147995
Y	448m SW	Electricity Substation	1990	147996

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	48

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

Features are displayed on the Past land use - un-grouped map on **page 22**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Garage**	**1965**	**53293**
A	**On site**	**Garage**	**1964**	**50373**
A	**On site**	**Garage**	**1950**	**47292**
A	**On site**	**Garage**	**1965**	**53293**
A	**On site**	**Garage**	**1973**	**50856**
C	33m NE	Garage	1950	51362
C	33m NE	Garage	1951	51362
1	74m NW	Garage	1950	47291
E	124m W	Garage	1996	54176
E	124m W	Garage	1996	54176
E	160m W	Garage	1973	48295
E	169m W	Garage	1964	53557
E	169m W	Garage	1950	50325
E	170m W	Garage	1965	53557
E	171m W	Garage	1990	53557
E	171m W	Garage	1984	53557

ID	Location	Land Use	Date	Group ID
J	199m NE	Garage	1950	53570
J	199m NE	Garage	1951	53570
5	256m SW	Garage	1950	47297
P	297m W	Garage	1984	51561
P	297m W	Garage	1964	48427
P	297m W	Garage	1973	51561
O	297m N	Garage	1965	51472
P	297m W	Garage	1965	52104
P	297m W	Garage	1950	52104
O	298m N	Garage	1963	51472
R	332m SW	Garage	1964	54289
Q	344m SW	Garage	1971	52894
8	348m W	Garage	1950	47307
R	350m SW	Garage	1949	54289
Q	366m SW	Garage	1990	52894
10	381m NW	Garage	1950	47308
Q	421m SW	Garage	1964	48887
Q	421m SW	Garage	1949	49310
Q	421m SW	Garage	1971	49276
AD	461m W	Garage	1973	47298
AD	482m W	Garage	1969	50925
AD	483m W	Garage	1979	48362
AH	491m E	Garage	1990	52752
AH	491m E	Garage	1987	52752
AH	491m E	Garage	1966	50227
AH	491m E	Garage	1972	52752
AH	491m E	Station Garages	1949	47851
AH	491m E	Garage	1966	52752

ID	Location	Land Use	Date	Group ID
AH	492m E	Garage	1996	51581
AH	492m E	Garage	1997	51581
AH	492m E	Garage	1996	51581
AH	492m E	Garage	1997	51581

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill

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Site Outline

Search buffers in metres (m)

Historical landfill (LA/OS)

Historical waste sites

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	4

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

Features are displayed on the Waste and landfill map on **page 33**

ID	Location	Site address	Source	Data type
C	382m NE	Refuse Tip	1962 mapping	Polygon
C	382m NE	Refuse Tip	1965 mapping	Polygon
F	494m N	Refuse Tip	1965 mapping	Polygon
F	494m N	Refuse Tip	1962 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	0

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

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

3.5 Historical waste sites

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 33**

ID	Location	Address	Further Details	Date
5	466m E	Site Address: Fmr Littleover Transport Site, DERBY, Derbyshire,	Type of Site: Waste Transfer Station (Conversion) Planning application reference: DER/497/397 Description: An application (ref: DER/497/397) for Detailed Planning permission was submitted to Derby C.C. on 1st April 1997. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 33**

ID	Location	Details		
3	394m SE	Site Name: Clinical Waste Transfer Station, Derby Royal Infirmary Site Address: London Road, Derby, Derbyshir Correspondence Address: -	Type of Site: Clinical Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DER004 EPR reference: EA/EPR/KP3493CV/S002 Operator: Derbyshire Royal Infirmary N H S Trust Waste Management licence No: 43265 Annual Tonnage: 98	Issue Date: 14/08/1996 Effective Date: - Modified:: - Surrendered Date: May 9 2000 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	13

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 33**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	111m NE	INTU Derby Centre Management Suite Derby DE1 2PQ	EPR/UF0004XT/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
A	142m S	LINEAR NETWORK DERBY	EPR/MF0307SK/A001	Disposing of waste exemption	Non-Agricultural Waste Only	Deposit of waste from dredging of inland waters
A	142m S	LINEAR NETWORK DERBY	EPR/MF0307SK/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
B	305m N	Derby CC Eagle Centre DERBY DE1 2AZ	EPR/XF0904EF/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes

ID	Location	Site	Reference	Category	Sub-Category	Description
B	306m N	Derby CC Eagle Centre DERBY DE1 2AZ	EPR/JH0179CP /A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
2	364m NW	63-65, GREEN LANE, DERBY, DE1 1RS	WEX106489	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
4	429m SE	LONDON ROAD, DERBY, DE1 2QY	WEX173054	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	435m E	THE MILL CANAL STREET DERBY DE1 2RJ	EPR/PF0902KU /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
D	435m E	12 CANAL STREET DERBY DE1 2RJ	EPR/NF0608T A/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
E	489m SE	Derby Delivery Office Midland Road DERBY DE1 1AA	EPR/EH0470N A/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
E	489m SE	Celanese P.O. Box 5 DE21 7BP	EPR/WF0509 MD/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
E	491m SE	Celanese, P.O. Box 5, Derby, DE21 7BP	WEX128865	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	491m SE	Romec Derby, Derby MC/BO/RTW/OFF, Midland Road, Derby, DE1 1AA	WEX039778	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes

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
- Current or recent petrol stations
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m	26

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Electricity Sub Station**	**Derbyshire, DE1**	**Electrical Features**	**Infrastructure and Facilities**
A	24m NW	Ittai	59, Osmaston Road, Town Centre, Derby, Derbyshire, DE1 2JH	Published Goods	Industrial Products
A	24m NW	Ittai Ltd	59, Osmaston Road, Derby, Derbyshire, DE1 2JH	Textiles, Fabrics, Silk and Machinery	Industrial Products

ID	Location	Company	Address	Activity	Category
1	38m SE	Electricity Sub Station	Derbyshire, DE1	Electrical Features	Infrastructure and Facilities
2	82m SW	myheli.flights	45, Leopold Street, Derby, Derbyshire, DE1 2HF	Aircraft Charters	Contract Services
3	86m NW	Craig Jennings	8, Back Sitwell Street, Derby, Derbyshire, DE1 2JX	Vehicle Repair, Testing and Servicing	Repair and Servicing
4	99m E	Works	Derbyshire, DE1	Unspecified Works Or Factories	Industrial Features
B	103m NW	Eggfree Cake Box	2 The Spot, London Road, Derby, Derbyshire, DE1 2NZ	Baking and Confectionery	Foodstuffs
C	104m E	Texaco	Traffic Street, Derby, Derbyshire, DE1 2NL	Petrol and Fuel Stations	Road and Rail
E	110m NE	Calendar Club Ltd	Lm42 Intu Shopping Centre, Westfield Centre, Derby, Derbyshire, DE1 2PQ	Published Goods	Industrial Products
E	110m NE	Phones Express	Unit 6a North Mall, Derby, Derbyshire, DE1 2PG	Electrical Equipment Repair and Servicing	Repair and Servicing
5	129m N	Electricity Sub Station	Derbyshire, DE1	Electrical Features	Infrastructure and Facilities
6	132m W	Electricity Sub Station	Derbyshire, DE1	Electrical Features	Infrastructure and Facilities
B	133m NW	Derby Hearing Centre Ltd	20, Osmaston Road, Derby, Derbyshire, DE1 2HR	Disability and Mobility Equipment	Consumer Products
E	153m N	Shopmobility	Intu Basement Car Park, Morledge, Derby, Derbyshire, DE1	Disability and Mobility Equipment	Consumer Products
D	158m S	Spot Auto Engineering	108a, Osmaston Road, Derby, Derbyshire, DE1 2RD	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	179m S	Works	Derbyshire, DE1	Unspecified Works Or Factories	Industrial Features
F	191m NW	Amplifon	111, St. Peters Street, Derby, Derbyshire, DE1 2AD	Disability and Mobility Equipment	Consumer Products
7	194m W	Upholstery Medics	65, Babington Lane, Derby, Derbyshire, DE1 1TE	Furniture	Consumer Products
G	194m N	Hillarys	K3a, Intu Derby, Copecastle Square, Town Centre, Derby, Derbyshire, DE1 2PL	Curtains and Blinds	Consumer Products
8	196m NW	Electricity Sub Station	Derbyshire, DE1	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
D	196m S	Executive Hire Minibus	37, Melbourne Street, Derby, Derbyshire, DE1 2GF	Vehicle Hire and Rental	Hire Services
G	210m N	Boots Hearing Care	1, Devonshire Walk, Derby, Derbyshire, DE1 2AH	Disability and Mobility Equipment	Consumer Products
F	219m NW	Air Ambulance Service	97, St. Peters Street, Derby, Derbyshire, DE1 2AB	Ambulance and Medical Transportation Services	Health Support Services
9	229m S	Electricity Sub Station	Derbyshire, DE1	Electrical Features	Infrastructure and Facilities
11	247m W	Electricity Sub Station	Derbyshire, DE1	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	3

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Company	Address	LPG	Status
C	118m NE	TEXACO	Traffic Street, Derby, Derby, DE1 2NL	No	Open
10	244m W	UK	65, Babington Lane, Derby, Derby, DE1 1TE	Not Applicable	Obsolete
J	434m SW	TEXACO	166, Normanton Road, Normanton, Derby, Derby, DE23 6UX	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	4

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

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Details	
M	487m SE	Operator: SLIPCATCH LIMITED Installation Name: DERBY CARRIAGE WORKS Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: TP3535PN Original Permit Number: TP3535PN	EPR Reference: - Issue Date: 11/04/2005 Effective Date: 23/12/2008 Last date noted as effective: 30/01/2020 Status: REVOKED
M	487m SE	Operator: DERWENT COGENERATION LIMITED Installation Name: DERWENT POWER STATION EPR/CP3039LE Process: COMBUSTION; ANY FUEL =>50MW Permit Number: LP3933XA Original Permit Number: CP3039LE	EPR Reference: - Issue Date: 20/03/2008 Effective Date: 20/03/2008 Last date noted as effective: 30/01/2020 Status: SUPERCEDED
M	487m SE	Operator: DERWENT COGENERATION LIMITED Installation Name: DERWENT POWER STATION EPR/CP3039LE Process: COMBUSTION; ANY FUEL =>50MW Permit Number: PP3732RH Original Permit Number: CP3039LE	EPR Reference: - Issue Date: 15/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 30/01/2020 Status: EFFECTIVE
M	487m SE	Operator: SLIPCATCH LIMITED Installation Name: DERBY CARRIAGE WORKS Process: ASSOCIATED PROCESS Permit Number: TP3535PN Original Permit Number: TP3535PN	EPR Reference: - Issue Date: 11/04/2005 Effective Date: 23/12/2008 Last date noted as effective: 30/01/2020 Status: REVOKED

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

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

Records within 500m	9

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 37**

ID	Location	Address	Details	
C	116m NE	Traffic Street Filling Station, Traffic Street, Derby, DE1 2NL	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
D	157m S	Spot Auto Engineers, 108 Osmaston Road, Derby, DE1 2RD	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	271m NE	Kendon Gges	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
12	344m E	Lafarge Tarmac Trading Ltd, formerly Tarmac Topmix Ltd, John Street, Derby, DE1 2LW	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
13	355m NE	Wrights Accident Repair Centre, Siddals Road, Derby, DE1 2PY	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
14	403m E	KJ Motors, Units 3-6 Canal St, Derby, DE1 2RJ	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
J	427m SW	Rosehill Fuels, formerly Texaco, 166 Normanton Road, Normanton, Derby, DE23 6UX	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
18	473m E	Derby AES, 11 Canal Street, Derby, DE1 2RJ	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Address	Details	
19	482m S	Golf Save Serv Stn, Nosehill	Process: Petrol Vapour Recovery Status: Historical 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	**14**

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

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Address	Details	
K	437m SE	Derby Hospitals Nhs Foundation Trust, Derbyshire Royal Infirmarylondon Road, Derby, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BI7119 Date of approval: 01/08/2005	Effective from: 01/08/2005 Last date of update: 03/10/2005 Status: Effective
K	437m SE	Derby Hospitals Nhs Foundation Trust, London Road, Derby, Derbyshire, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AI6835 Date of approval: 24/07/1992	Effective from: 21/08/1992 Last date of update: 01/01/2015 Status: Superseded By Variation
K	437m SE	Derby Hospitals Nhs Foundation Trust, London Road, Derby, Derbyshire, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: - Permission number: AI6835 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Superseded By Variation
K	437m SE	Derby Hospitals Nhs Foundation Trust, London Road, Derby, Derbyshire, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AI6835 Date of approval: 31/08/1993	Effective from: 02/10/1993 Last date of update: 01/01/2015 Status: Superseded By Variation

ID	Location	Address	Details	
K	437m SE	Derby Hospitals Nhs Foundation Trust, London Road, Derby, Derbyshire, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AI6835 Date of approval: 03/08/1995	Effective from: 03/09/1995 Last date of update: 01/01/2015 Status: Superseded By Variation
K	437m SE	Derby Hospitals Nhs Foundation Trust, London Road, Derby, Derbyshire, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Accumulation Of Radioactive Waste (was Rsa60 Section 7). Permission number: AI6835 Date of approval: 02/01/2001	Effective from: 02/01/2001 Last date of update: 01/01/2015 Status: Superseded By Variation
K	437m SE	Derby Hospitals Nhs Foundation Trust, London Road, Derby, Derbyshire, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Accumulation Of Radioactive Waste (was Rsa60 Section 7). Permission number: AI6835 Date of approval: 03/12/2001	Effective from: 03/12/2001 Last date of update: 01/01/2015 Status: Superseded By Variation
K	437m SE	Derby Hospitals Nhs Foundation Trust, London Road, Derby, Derbyshire, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Accumulation Of Radioactive Waste (was Rsa60 Section 7). Permission number: AI6835 Date of approval: 01/12/2003	Effective from: 01/01/2004 Last date of update: 01/01/2015 Status: Superseded By Variation
K	437m SE	Derby Hospitals Nhs Foundation Trust, London Road, Derby, Derbyshire, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Accumulation Of Radioactive Waste (was Rsa60 Section 7). Permission number: AI6835 Date of approval: 19/01/2005	Effective from: 20/01/2005 Last date of update: 01/01/2015 Status: Superseded By Variation
K	437m SE	Derby Hospitals Nhs Foundation Trust, Derbyshire Royal Infirmary London Road, Derby, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BI7577 Date of approval: 14/12/2000	Effective from: 14/12/2000 Last date of update: 01/01/2015 Status: Superseded By Variation
K	437m SE	Derby Hospitals Nhs Foundation Trust, Derbyshire Royal Infirmary London Road, Derby, DE1 2QY	Operator: Derby Hospitals Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BI7577 Date of approval: 17/11/2004	Effective from: 17/11/2004 Last date of update: 01/01/2015 Status: Effective

ID	Location	Address	Details	
K	437m SE	London Road Community Hospital, London Road, Derby, DE1 2QY	Operator: University Hospitals of Derby and Burton NHS Foundation Trust Type: Accumulation Of Radioactive Waste (was Rsa60 Section 7). Permission number: CB0285 Date of approval: 21/02/2007	Effective from: - Last date of update: 01/01/2020 Status: Surrendered
M	487m SE	Rolls Royce Marine Power Operations Ltd, Rra Neptune Reactor Site, Raynesway, Derby, DE21 7XX	Operator: Rolls Royce Marine Power Operations Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AB0375 Date of approval: 14/08/1991	Effective from: 14/08/1991 Last date of update: 01/01/2015 Status: Revoked/cancelled
M	487m SE	Rolls Royce Plc, Rra Neptune Reactor Site, Raynesway, Derby, DE21 7XX	Operator: Rolls Royce Plc Type: Keeping And Use Of Mobile Radioactive Sources (was Rsa60 Section 3) Permission number: BY1409 Date of approval: 01/08/2004	Effective from: 02/08/2004 Last date of update: 01/01/2015 Status: Revoked/cancelled

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

4.13 Licensed Discharges to controlled waters

Records within 500m	**17**

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 37**

ID	Location	Address	Details	
15	409m N	MORLEDGE/THORNTREE LANE JCN SSO, MORLEDGE/THORNTREE LANE JUNCTION, MORLEDGE/THORNTREE LANE, DERBY, DERBYSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/48/40236/O Permit Version: 1 Receiving Water: MARKEATON BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 16/11/1995 Effective Date: 16/11/1995 Revocation Date: 31/03/2002
I	409m NE	SLACK LANE STORM OVERFLOW, SLACK LANE, OPP ARNOLD STREET	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/48/21960/O Permit Version: 1 Receiving Water: BRAMBLE BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 10/11/1992 Effective Date: 10/11/1992 Revocation Date: -

ID	Location	Address	Details	
I	417m NE	MORELEDGE / THORNTREE LANE CSO, JCT OF MORLEDGE / THORNTREE LANE, DERBY, DERBYSHIRE, DE1 2AW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: NPSWQD003066 Permit Version: 1 Receiving Water: MARKEATON BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 29/09/2008 Effective Date: 29/09/2008 Revocation Date: 06/03/2018
16	421m NE	VICTORIA STREET/FRIAR GATE JCT CSO, VICTORIA ST AND FRIARGATE JCT, DERBY, DERBYSHIRE, DE1 1EX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/48/45157/O Permit Version: 1 Receiving Water: MARKEATON BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 19/09/1997 Effective Date: 19/09/1997 Revocation Date: 06/03/2018
L	448m N	SSO CORN MARKET/MARKET PLACE, DERBY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/21211/O Permit Version: 1 Receiving Water: MARKEATON BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/02/1992 Effective Date: 21/02/1992 Revocation Date: 27/07/1993
L	448m N	SSO GREEN LANE/VICTORIA STREET, DERBY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/21212/O Permit Version: 1 Receiving Water: MARKEATON BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/02/1992 Effective Date: 21/02/1992 Revocation Date: 27/07/1993
L	448m N	ST PETERS STREET/EAST STREET CSO, ST PETERS STREET/EAST STREET, DERBY, DERBYSHIRE, DE1 1SH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/21209/O Permit Version: 1 Receiving Water: MARKEATON BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 21/02/1992 Effective Date: 21/02/1992 Revocation Date: 28/02/2018
L	451m N	GREEN LANE / MACKLIN STREET CSO, GREEN LANE, DERBY, DERBYSHIRE, DE1 1RP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/20994/O Permit Version: 1 Receiving Water: MARKEATON BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 14/01/1992 Effective Date: 14/01/1992 Revocation Date: 25/02/2018

ID	Location	Address	Details	
L	451m N	JUNCTION ST PETERS STREET AND, THORNTREE LANE, DERBY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/21210/O Permit Version: 1 Receiving Water: MARKEATON BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/02/1992 Effective Date: 21/02/1992 Revocation Date: 27/07/1993
L	455m N	MORELEDGE / THORNTREE LANE CSO, JCT OF MORLEDGE / THORNTREE LANE, DERBY, DERBYSHIRE, DE1 2AW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: NPSWQD003066 Permit Version: 2 Receiving Water: MARKEATON BROOK	Status: VARIED UNDER EPR 2010 Issue date: 07/03/2018 Effective Date: 07/03/2018 Revocation Date: 30/03/2018
L	455m N	MORELEDGE / THORNTREE LANE CSO, JCT OF MORLEDGE / THORNTREE LANE, DERBY, DERBYSHIRE, DE1 2AW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: NPSWQD003066 Permit Version: 3 Receiving Water: MARKEATON BROOK	Status: VARIED UNDER EPR 2010 Issue date: 07/03/2018 Effective Date: 31/03/2018 Revocation Date: -
L	456m N	ST PETERS STREET/EAST STREET CSO, ST PETERS STREET/EAST STREET, DERBY, DERBYSHIRE, DE1 1SH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/21209/O Permit Version: 2 Receiving Water: MARKEATON BROOK	Status: VARIED UNDER EPR 2010 Issue date: 01/03/2018 Effective Date: 01/03/2018 Revocation Date: 30/03/2018
L	456m N	ST PETERS STREET/EAST STREET CSO, ST PETERS STREET/EAST STREET, DERBY, DERBYSHIRE, DE1 1SH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/21209/O Permit Version: 3 Receiving Water: MARKEATON BROOK	Status: VARIED UNDER EPR 2010 Issue date: 01/03/2018 Effective Date: 31/03/2018 Revocation Date: -
L	457m N	GREEN LANE / MACKLIN STREET CSO, GREEN LANE, DERBY, DERBYSHIRE, DE1 1RP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/20994/O Permit Version: 2 Receiving Water: MARKEATON BROOK	Status: VARIED UNDER EPR 2010 Issue date: 26/02/2018 Effective Date: 26/02/2018 Revocation Date: 30/03/2018

ID	Location	Address	Details	
L	457m N	GREEN LANE / MACKLIN STREET CSO, GREEN LANE, DERBY, DERBYSHIRE, DE1 1RP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/47/20994/O Permit Version: 3 Receiving Water: MARKEATON BROOK	Status: VARIED UNDER EPR 2010 Issue date: 26/02/2018 Effective Date: 31/03/2018 Revocation Date: -
L	457m N	VICTORIA STREET/FRIAR GATE JCT CSO, VICTORIA ST AND FRIARGATE JCT, DERBY, DERBYSHIRE, DE1 1EX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/48/45157/O Permit Version: 2 Receiving Water: MARKEATON BROOK	Status: VARIED UNDER EPR 2010 Issue date: 07/03/2018 Effective Date: 07/03/2018 Revocation Date: 30/03/2018
L	457m N	VICTORIA STREET/FRIAR GATE JCT CSO, VICTORIA ST AND FRIARGATE JCT, DERBY, DERBYSHIRE, DE1 1EX	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/48/45157/O Permit Version: 3 Receiving Water: MARKEATON BROOK	Status: VARIED UNDER EPR 2010 Issue date: 07/03/2018 Effective Date: 31/03/2018 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	6

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 37**

ID	Location	Details	
B	101m NW	Incident Date: 17/07/2002 Incident Identification: 92356 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	104m S	Incident Date: 07/10/2001 Incident Identification: 35147 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	141m S	Incident Date: 13/06/2002 Incident Identification: 84776 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	268m NE	Incident Date: 16/09/2002 Incident Identification: 108041 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

ID	Location	Details	
H	268m NE	Incident Date: 16/09/2002 Incident Identification: 108041 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
17	456m N	Incident Date: 25/03/2002 Incident Identification: 66573 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 37**

ID: M, Location: 488m SE, Permit: CP3039LE
Operator: Derwent Cogeneration Limited
Activity: COMBUSTION; ANY FUEL =>50MW
Address: Derwent Power Station Po Box 489 Spondon Derby Derbyshire DE21 7ZS
Sector Combustion, Sub-sector: Power
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	Below Reporting Threshold	Below Reporting Threshold	20 03 01	mixed municipal waste	No

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

4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer

5.1 Superficial aquifer

Records within 500m	4

Aquifer status of groundwater held within superficial geology.

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

ID	Location	Designation	Description
1	19m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	152m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	459m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	463m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Bedrock aquifer

Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	3

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 54**

ID	Location	Designation	Description
1	**On site**	**Secondary B**	**Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers**
2	78m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	463m W	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers

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

Groundwater vulnerability

Site Outline

Search buffers in metres (m)

Superficial vulnerability
- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability
- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information
- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	2

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

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

Features are displayed on the Groundwater vulnerability map on **page 56**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: High Infiltration value: 40-70% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	18m S	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

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

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

5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones

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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
- 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	7

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 58**

ID	Location	Details	
1	342m E	Status: Historical Licence No: 03/28/48/0038 Details: General use relating to Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: BOREHOLE AT JOHN STREET, DERBY Data Type: Point Name: TARMAC CENTRAL LIMITED Easting: 435920 Northing: 335820	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/05/2004 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 11/05/2004 Version End Date: -
A	533m E	Status: Historical Licence No: 03/28/48/0027 Details: Evaporative Cooling Direct Source: Groundwater Midlands Region Point: RAILWAY TERRACE,DERBY - WELL Data Type: Point Name: THE BRUNSWICK BREWING CO LTD Easting: 436120 Northing: 335790	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 29/11/1991 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2000 Version End Date: -
A	533m E	Status: Historical Licence No: 03/28/48/0027 Details: Process water Direct Source: Groundwater Midlands Region Point: RAILWAY TERRACE,DERBY - WELL Data Type: Point Name: THE BRUNSWICK BREWING CO LTD Easting: 436120 Northing: 335790	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 29/11/1991 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2000 Version End Date: -
-	1149m E	Status: Active Licence No: 03/28/48/0035 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: Groundwater Midlands Region Point: DERBY PRIDE PARK - BOREHOLES Data Type: Poly4 Name: DERBY CITY COUNCIL Easting: 436700 Northing: 335400	Annual Volume (m^3): 1,040,700 Max Daily Volume (m^3): 2,860 Original Application No: - Original Start Date: 24/10/1996 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2006 Version End Date: -
-	1434m S	Status: Historical Licence No: 03/28/48/0040 Details: Process Water Direct Source: Groundwater Midlands Region Point: SHAFTESBURY STREET BOREHOLE-DERBY Data Type: Point Name: BRIGHTCROSS MANUFACTURING LIMITED Easting: 435935 Northing: 334272	Annual Volume (m^3): 35000 Max Daily Volume (m^3): 280 Original Application No: - Original Start Date: 20/07/2007 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 20/07/2007 Version End Date: -

ID	Location	Details	
-	1694m E	Status: Historical Licence No: 03/28/48/0037 Details: General use relating to Secondary Category (High Loss) Direct Source: Groundwater Midlands Region Point: CHADDESDEN QUARRY, DERBY - BOREHOLE Data Type: Point Name: LAFARGE AGGREGATES LIMITED Easting: 437280 Northing: 335850	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/04/2003 Expiry Date: 31/03/2018 Issue No: 2 Version Start Date: 26/11/2003 Version End Date: -
-	1755m E	Status: Historical Licence No: 03/28/48/0035 Details: Transfer between sources Direct Source: Groundwater Midlands Region Point: DERBY PRIDE PARK - BOREHOLES Data Type: Point Name: DERBY CITY COUNCIL Easting: 437300 Northing: 335300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/10/1996 Expiry Date: - Issue No: 100 Version Start Date: 24/10/1996 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**4**

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 58**

ID	Location	Details	
B	535m N	Status: Historical Licence No: 03/28/48/0042 Details: Hydroelectric Power Generation Direct Source: Surface Water Midlands Region Point: LONGBRIDGE WEIR - HEP INTAKE Data Type: Line Name: DERBY CITY COUNCIL Easting: 435624 Northing: 336301	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/10/2009 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 28/10/2012 Version End Date: -

ID	Location	Details	
B	535m N	Status: Active Licence No: 03/28/48/0042/R01 Details: Hydroelectric Power Generation Direct Source: Surface Water Midlands Region Point: LONGBRIDGE WEIR - HEP INTAKE Data Type: Line Name: DERBY CITY COUNCIL Easting: 435631 Northing: 336300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/06/2018 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 20/06/2018 Version End Date: -
2	538m N	Status: Active Licence No: MD/028/0048/004 Details: Non-Evaporative Cooling Direct Source: Surface Water Midlands Region Point: COUNCIL HOUSE, CORPORATION STREET, DERBY, DERBYSHIRE Data Type: Point Name: Derby City Council Easting: 435548 Northing: 336312	Annual Volume (m^3): 46,000 Max Daily Volume (m^3): 1,150 Original Application No: - Original Start Date: 19/07/2012 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 03/12/2018 Version End Date: -
-	1469m E	Status: Historical Licence No: 03/28/48/0030 Details: Mineral Washing Direct Source: Surface Water Midlands Region Point: CHADDESDEN QUARRY - RIVER DERWENT Data Type: Point Name: Tarmac Aggregates Limited Easting: 437060 Northing: 335740	Annual Volume (m^3): 176250 Max Daily Volume (m^3): 750 Original Application No: - Original Start Date: 31/08/1993 Expiry Date: - Issue No: 106 Version Start Date: 26/10/2015 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	3

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 58**

ID	Location	Type	Description
A	365m E	3	Total catchment
A	459m E	2	Outer catchment
A	485m E	1	Inner catchment

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

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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	2

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 63**

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

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**0**

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.

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 63**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	**On site**	**River WB catchment**	**Derwent from Bottle Brook to Trent**	**GB104028053240**	**Derwent Lower - Derbyshire**	**Derwent Derbyshire**

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

6.4 WFD Surface water bodies

Records identified	**1**

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

Features are displayed on the Hydrology map on **page 63**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	543m NE	River	Derwent from Bottle Brook to Trent	GB104028053240	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

Records on site	**1**

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

Features are displayed on the Hydrology map on **page 63**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	**On site**	**Derwent - Secondary Combined**	**GB40402G990400**	**Poor**	**Poor**	**Good**	**2015**

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

7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

Site Outline

Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

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

Features are displayed on the Surface water flooding map on **page 69**

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

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**Moderate**

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 71**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 72**

ID	Location	Name	Data source
-	1842m E	The Sanctuary	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	0

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

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	0

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

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

SSSI Impact Zones and Units

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 77**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations

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Site Outline

Search buffers in metres (m)

- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

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	6

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.

Features are displayed on the Visual and cultural designations map on **page 79**

ID	Location	Name	Grade	Reference Number	Listed date
A	103m SE	Florence Nightingale Statue Including Surrounding Stonework, Derby, DE1	II	1228598	24/02/1977
2	116m E	Livesages Almshouses, Derby, DE1	II	1228483	24/02/1977
3	116m S	Wilderslowe House, Derby, DE1	II	1228774	24/02/1977
4	119m S	96, Osmaston Road, Derby, DE1	II	1279401	24/02/1977
A	124m SE	Walls And Railings Fronting London Road Of The Derbyshire Royal Infirmary, Derby, DE1	II	1228599	24/02/1977

ID	Location	Name	Grade	Reference Number	Listed date
5	243m SE	Queen Victoria Statue In Grounds Of Derbyshire Royal Infirmary, Derby, DE1	II	1287101	24/02/1977

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

11.5 Conservation Areas

Records within 250m	1

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.

Features are displayed on the Visual and cultural designations map on **page 79**

ID	Location	Name	District	Date of designation
1	63m S	Hartington Street	City of Derby	09/11/1982

This data is sourced from English Heritage, 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 English Heritage, 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 English Heritage, 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 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree 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 82**

ID	Location	Classification	Description
1	**On site**	**Urban**	**-**

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

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 85**

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	2

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

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 89**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW125_derby_v4**
2	138m S	Full	Full	Full	Full	EW141_loughborough_v4

This data is sourced from the British Geological Survey.

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

15.2 Artificial and made ground (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial

Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m	6

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 91**

ID	Location	LEX Code	Description	Rock description
1	21m S	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL
2	139m S	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL
3	151m E	ALTD-XSV	ALLENTON TERRACE DEPOSITS	SAND AND GRAVEL
4	344m SE	ALTD-XSV	ALLENTON TERRACE DEPOSITS	SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
5	359m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
6	459m SW	THT-DMTN	THRUSSINGTON MEMBER	DIAMICTON

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
19m SW	Intergranular	Very High	High

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	6

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 93**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**COT-SDST**	**COTGRAVE SANDSTONE MEMBER - SANDSTONE**	**CARNIAN**
2	**On site**	**GUN-MDST**	**GUNTHORPE MEMBER - MUDSTONE**	**ANISIAN**
3	139m S	EDW-MDST	EDWALTON MEMBER - MUDSTONE	CARNIAN
4	139m S	COT-SDST	COTGRAVE SANDSTONE MEMBER - SANDSTONE	CARNIAN

ID	Location	LEX Code	Description	Rock age
5	146m S	GUN-MDST	GUNTHORPE MEMBER - MUDSTONE	ANISIAN
6	158m SW	EDW-DSLST	EDWALTON MEMBER - SILTSTONE, DOLOMITIC	CARNIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Low**	**Low**

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

16 Boreholes

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Site Outline

Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m	23

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 95**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	46m NE	435630 335750	TRAFFIC STREET DERBY BH2	-	Y	N/A
2	69m NE	435610 335800	TRAFFIC STREET DERBY BH1	-	Y	N/A
3	73m NE	435650 335770	TRAFFIC STREET DERBY BH3	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	85m SE	435600 335590	ROYAL INFIRMARY-DERBY BH3	14.02	N	210716
4	92m N	435472 335846	DERBY CITY RESEWERAGE 1	-	Y	N/A
A	97m SE	435590 335570	ROYAL INFIRMARY-DERBY BH2	13.72	N	210715
5	119m NE	435640 335840	TRAFFIC STREET DERBY BH7	-	Y	N/A
B	130m SE	435620 335550	ROYAL INFIRMARY-DERBY BH1	14.63	N	210714
6	137m NE	435670 335840	TRAFFIC STREET DERBY BH4	-	Y	N/A
B	137m SE	435600 335530	ROYAL INFIRMARY-DERBY TP5	2.13	N	210708
B	138m SE	435620 335540	ROYAL INFIRMARY-DERBY TP7	3.66	N	210709
7	157m S	435580 335500	ROYAL INFIRMARY-DERBY TP2A	2.13	N	210705
C	164m SE	435620 335510	ROYAL INFIRMARY-DERBY TP4	1.52	N	210707
C	169m SE	435610 335500	ROYAL INFIRMARY-DERBY TP3	3.35	N	210706
D	170m NE	435660 335890	TRAFFIC STREET DERBY BH6	-	Y	N/A
D	175m NE	435680 335880	TRAFFIC STREET DERBY BH5	-	Y	N/A
8	179m S	435560 335470	ROYAL INFIRMARY-DERBY TP1	2.13	N	210704
9	203m SE	435700 335520	ROYAL INFIRMARY-DERBY TP9	2.44	N	210711
10	205m E	435796 335721	DERBY CITY CHALLENGE 34/37	-	Y	N/A
11	215m NW	435368 335931	DERBY CITY RESEWERAGE 2	-	Y	N/A
12	235m NW	435247 335794	DERBY CITY RESEWERAGE 21	-	Y	N/A
E	239m NW	435318 335918	DERBY CITY RESEWERAGE 19	-	Y	N/A
E	243m NW	435306 335910	DERBY CITY RESEWERAGE 19A	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays

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Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 97**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
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	2

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

Features are displayed on the Natural ground subsidence - Running sands map on **page 98**

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

Location	Hazard rating	Details
21m S	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits

Site Outline

Search buffers in metres (m)

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

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 100**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**

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 101**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides

Site Outline

Search buffers in metres (m)

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

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 102**

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

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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 103**

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 Peter Brett Associates (PBA).

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	2

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 105**

ID	Location	Land Use	Year of mapping	Mapping scale
1	153m NE	Ponds	1882	1:10560
2	205m NW	Unspecified Pit	1882	1:10560

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	0

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

This data is sourced from the British Geological Survey.

18.7 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 Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site	0

Areas which could be affected by former coal 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 Mining Searches UK.

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

Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

19.1 Radon

Records on site	2

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 109**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 1% and 3%**	**None**
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	4

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^2. 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^2; 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 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
19m W	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
20m S	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m	10

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^2).

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	**15**	**2.6**	**76**	**52**	**0.4**	**78**	**20**	**40**	**14**
On site	**16**	**2.8**	**78**	**54**	**0.5**	**74**	**19**	**40**	**11**

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	**18**	**3.2**	**129**	**89**	**0.3**	**69**	**32**	**35**	**10**
On site	**16**	**2.8**	**132**	**91**	**0.3**	**69**	**35**	**34**	**12**
9m E	13	2.3	80	55	0.5	82	33	45	12
9m SE	14	2.5	79	54	0.5	78	31	42	12
26m N	13	2.3	73	50	0.3	74	22	37	16
41m NW	16	2.8	134	92	0.4	70	40	34	15
42m S	18	3.2	79	54	0.5	72	18	39	9
42m SW	20	3.5	138	95	0.3	70	34	37	11

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^2.

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects

Site Outline

Search buffers in metres (m)

- Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 1 Worksites
- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

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	1

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

Features are displayed on the Railway infrastructure and projects map on **page 113**

Location	Land Use	Year of mapping	Mapping scale
227m NW	Railway Sidings	1884	2500

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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