

Site Details:

LAND AT SPRING VALE STREET,
TOTTINGTON, BURY, BL8 3LR

Client Ref: 3388
Report Ref: GS-6745147
Grid Ref: 377502, 412934

Map Name: National Grid

Map date: 1974

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1974
Revised 1974
Edition N/A
Copyright N/A
Levelled N/A

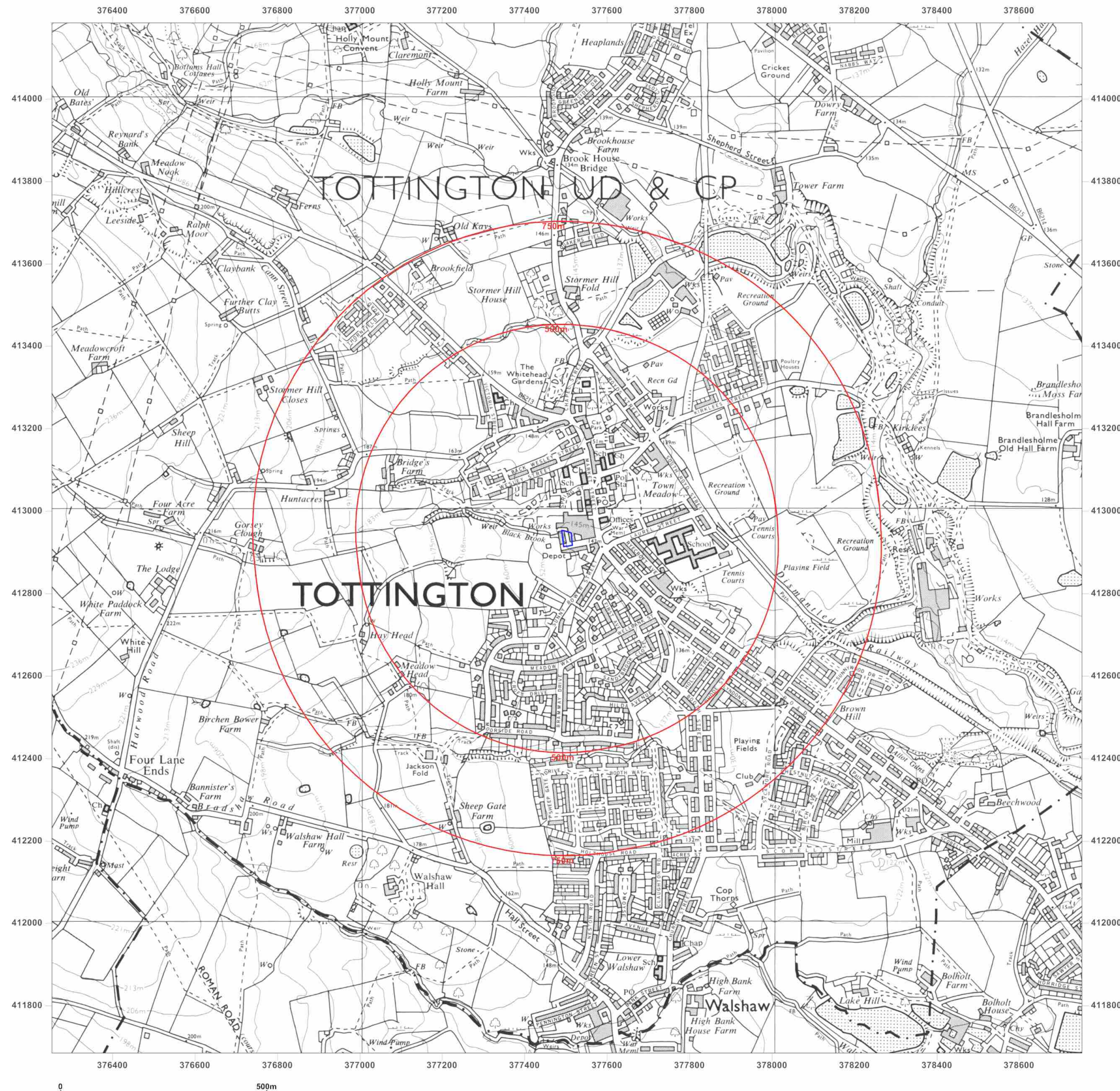


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Site Details:

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Grid Ref: 377502, 412934

Map Name: National Grid

Map date: 1980

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1978
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A

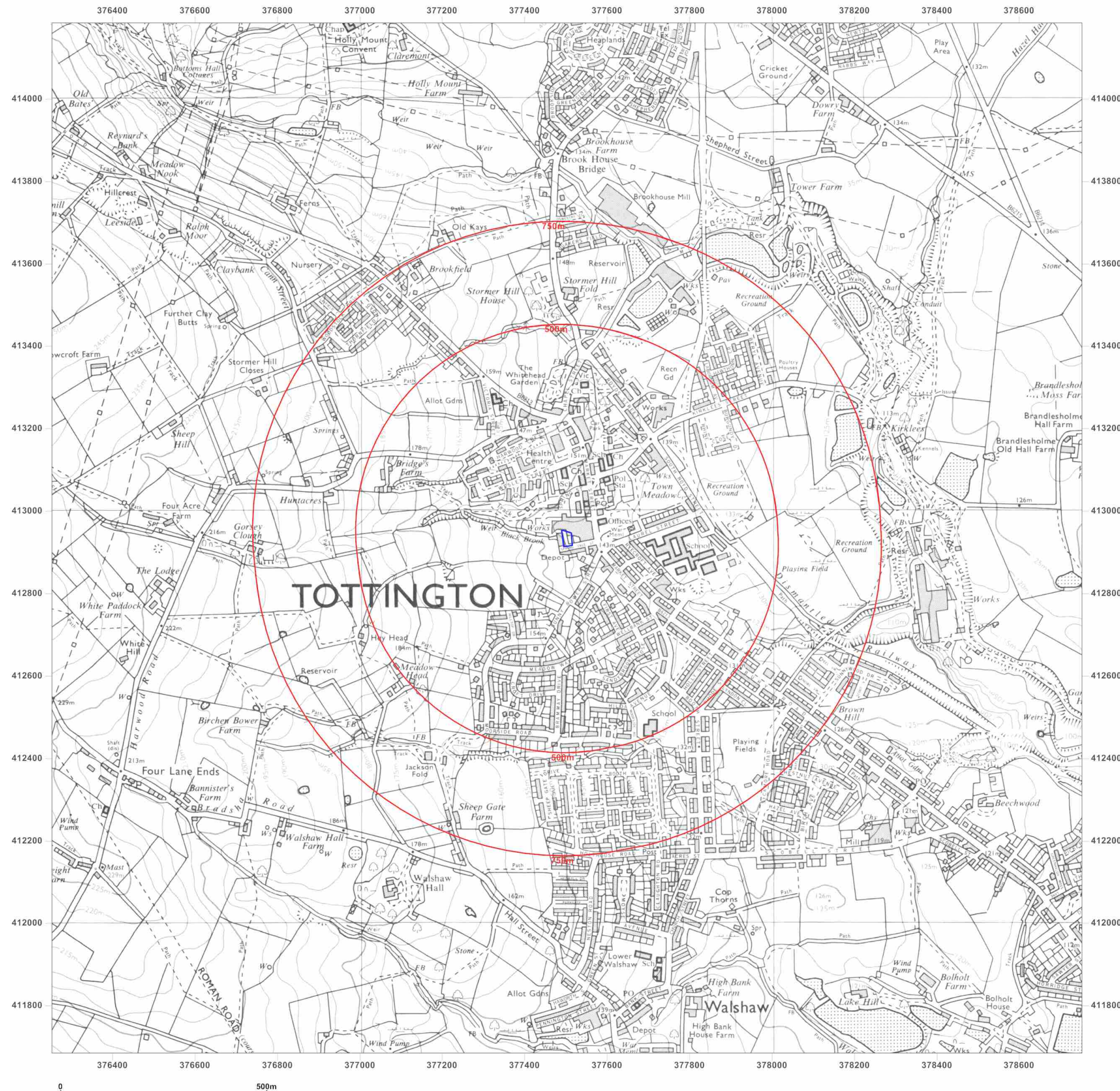


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Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



2001

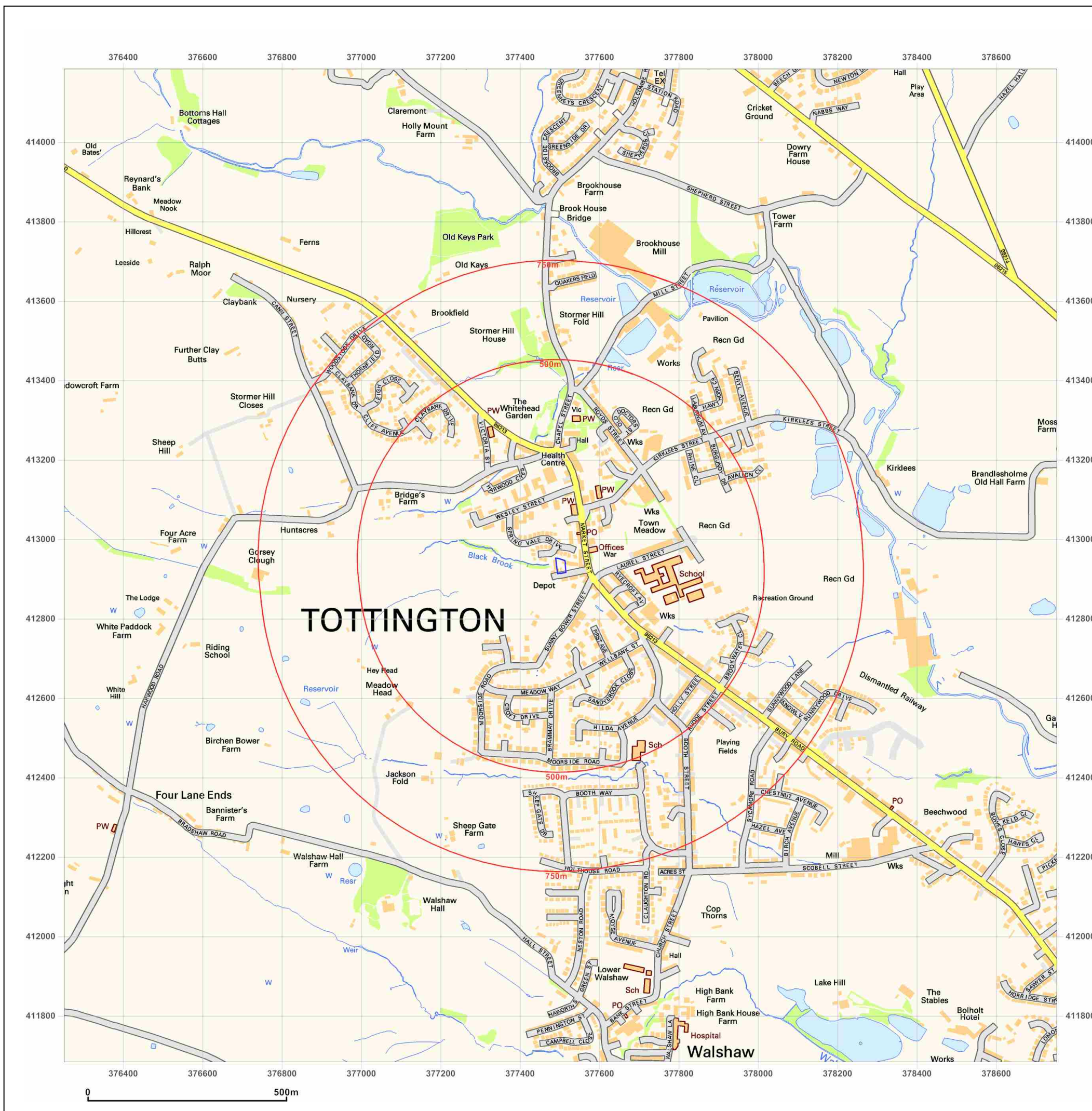


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Grid Ref: 377502, 412934

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

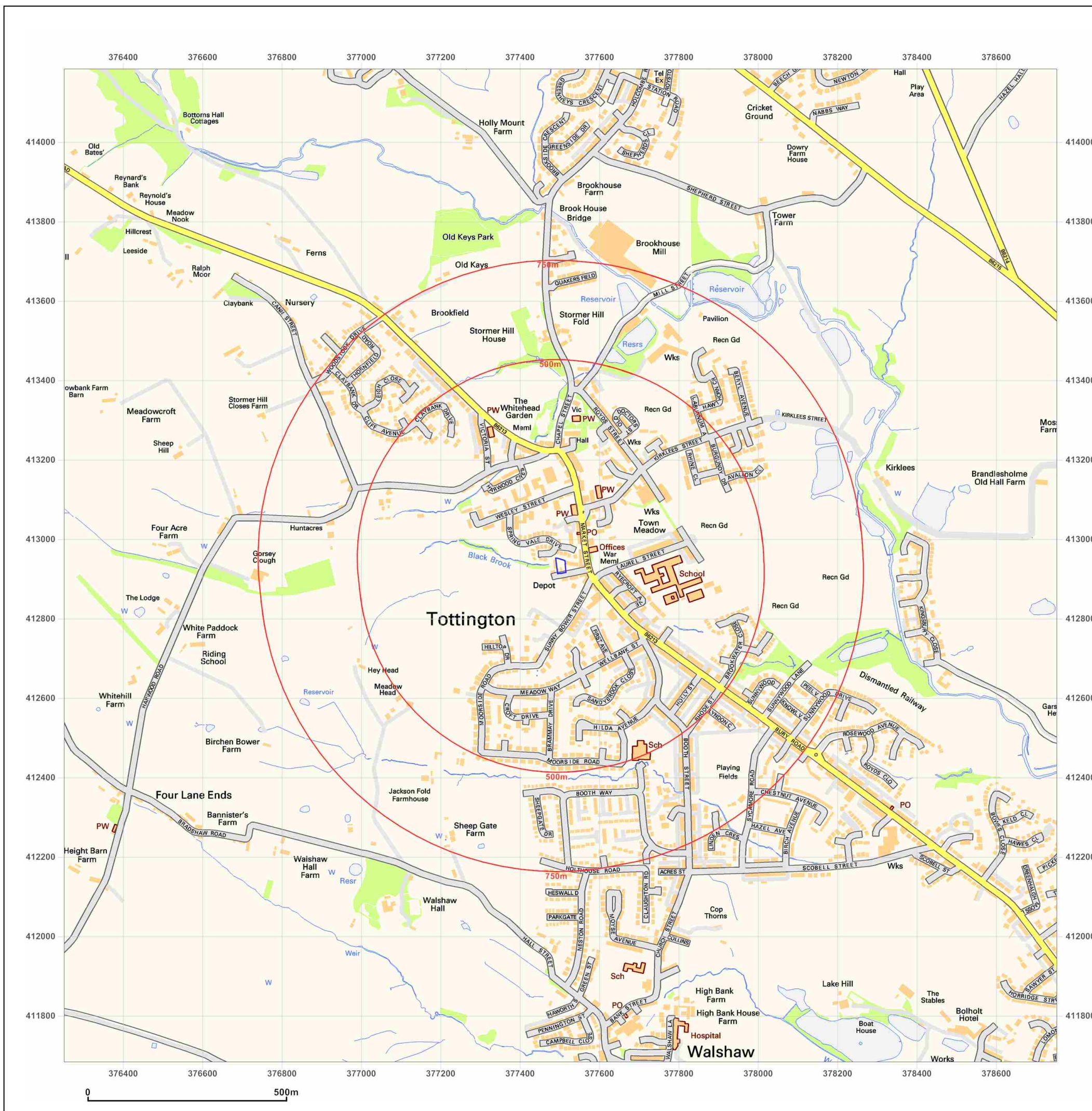


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Client Ref: 3388
Report Ref: GS-6745147
Grid Ref: 377502, 412934

Map Name: National Grid

Map date: 2020

Scale: 1:10,000

Printed at: 1:10,000



2020

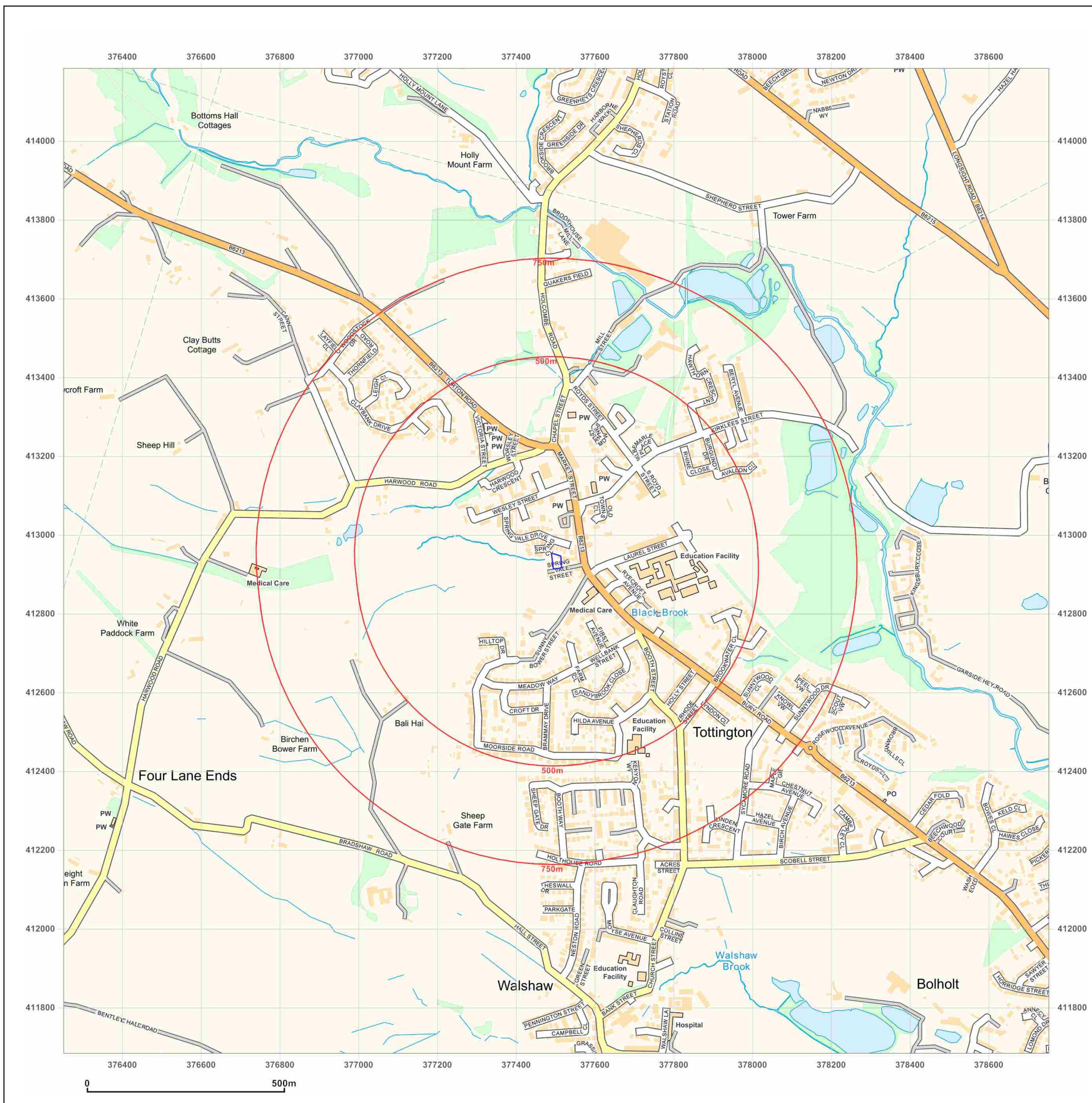


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APPENDIX 5

GROUNDSURE ENVIRO AND GEO INSIGHT REPORT

LAND AT SPRING VALE STREET, TOTTINGTON, BURY, BL8 3LR

Order Details

Date: 22/04/2020
Your ref: 3388
Our Ref: GS-6745148
Client: IGE Consulting

Site Details

Location: 377503 412933
Area: 0.08 ha
Authority: [Bury Metropolitan Borough Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.12

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	6	2	14	24	-
15	1.2	Historical tanks	0	0	1	7	-
16	1.3	Historical energy features	0	0	2	4	-
17	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	0	3	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
18	2.1	Historical industrial land uses	8	3	24	33	-
21	2.2	Historical tanks	0	0	2	11	-
22	2.3	Historical energy features	0	0	8	9	-
23	2.4	Historical petrol stations	0	0	0	0	-
23	2.5	Historical garages	0	0	5	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
24	3.1	Active or recent landfill	0	0	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
25	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
25	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
25	3.5	Historical waste sites	1	0	0	0	-
25	3.6	Licensed waste sites	0	1	0	0	-
26	3.7	Waste exemptions	0	0	1	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
27	4.1	Recent industrial land uses	2	5	3	-	-
28	4.2	Current or recent petrol stations	0	0	0	1	-
29	4.3	Electricity cables	0	0	0	0	-
29	4.4	Gas pipelines	0	0	0	0	-
29	4.5	Sites determined as Contaminated Land	0	0	0	0	-



29	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
29	4.7	Regulated explosive sites	0	0	0	0	-
30	4.8	Hazardous substance storage/usage	0	0	0	0	-
30	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
30	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
30	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	1	1	0	-
31	4.12	Radioactive Substance Authorisations	0	0	0	0	-
31	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	4	-
32	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
32	4.15	Pollutant release to public sewer	0	0	0	0	-
32	4.16	List 1 Dangerous Substances	0	0	0	0	-
32	4.17	List 2 Dangerous Substances	0	0	0	0	-
32	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	2	1	-
33	4.19	Pollution inventory substances	0	0	0	0	-
33	4.20	Pollution inventory waste transfers	0	0	0	0	-
33	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
34	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
36	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
37	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
38	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
38	5.5	Groundwater vulnerability- local information	None (within 0m)				
39	5.6	<u>Groundwater abstractions</u>	0	0	0	0	23
45	5.7	<u>Surface water abstractions</u>	0	0	0	0	11
48	5.8	Potable abstractions	0	0	0	0	0
48	5.9	Source Protection Zones	0	0	0	0	-
48	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
49	6.1	<u>Water Network (OS MasterMap)</u>	1	1	3	-	-



50	<u>6.2</u>	<u>Surface water features</u>	0	1	0	-	-
50	<u>6.3</u>	<u>WFD Surface water body catchments</u>	1	-	-	-	-
51	<u>6.4</u>	<u>WFD Surface water bodies</u>	0	0	0	-	-
51	<u>6.5</u>	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
52	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
52	7.2	Historical Flood Events	0	0	0	-	-
52	7.3	Flood Defences	0	0	0	-	-
52	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
53	7.5	Flood Storage Areas	0	0	0	-	-
54	7.6	Flood Zone 2	None (within 50m)				
54	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
55	<u>8.1</u>	<u>Surface water flooding</u>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
57	<u>9.1</u>	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
58	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
59	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
59	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
59	10.4	Special Protection Areas (SPA)	0	0	0	0	0
59	10.5	National Nature Reserves (NNR)	0	0	0	0	0
60	<u>10.6</u>	<u>Local Nature Reserves (LNR)</u>	0	0	0	1	4
60	10.7	Designated Ancient Woodland	0	0	0	0	0
60	10.8	Biosphere Reserves	0	0	0	0	0
61	10.9	Forest Parks	0	0	0	0	0
61	10.10	Marine Conservation Zones	0	0	0	0	0
61	<u>10.11</u>	<u>Green Belt</u>	0	1	0	0	2
61	10.12	Proposed Ramsar sites	0	0	0	0	0



62	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
62	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
62	10.15	Nitrate Sensitive Areas	0	0	0	0	0
62	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
63	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
64	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
65	11.1	World Heritage Sites	0	0	0	-	-
66	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
66	11.3	National Parks	0	0	0	-	-
66	<u>11.4</u>	<u>Listed Buildings</u>	0	0	8	-	-
67	11.5	Conservation Areas	0	0	0	-	-
67	11.6	Scheduled Ancient Monuments	0	0	0	-	-
67	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
68	<u>12.1</u>	<u>Agricultural Land Classification</u>	Grade 4 (within 250m)				
69	12.2	Open Access Land	0	0	0	-	-
69	<u>12.3</u>	<u>Tree Felling Licences</u>	0	0	1	-	-
69	<u>12.4</u>	<u>Environmental Stewardship Schemes</u>	0	1	0	-	-
70	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
71	<u>13.1</u>	<u>Priority Habitat Inventory</u>	0	1	3	-	-
72	<u>13.2</u>	<u>Habitat Networks</u>	0	0	3	-	-
72	13.3	Open Mosaic Habitat	0	0	0	-	-
72	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
73	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
74	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	0	0	0	7	-
76	<u>14.3</u>	<u>Superficial geology (10k)</u>	1	1	0	1	-

77	14.4	Landslip (10k)	0	0	0	0	-
78	14.5	<u>Bedrock geology (10k)</u>	1	2	7	3	-
79	14.6	<u>Bedrock faults and other linear features (10k)</u>	0	3	4	4	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
81	15.1	<u>50k Availability</u>	Identified (within 500m)				
82	15.2	Artificial and made ground (50k)	0	0	0	0	-
82	15.3	Artificial ground permeability (50k)	0	0	-	-	-
83	15.4	<u>Superficial geology (50k)</u>	1	1	0	2	-
84	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
84	15.6	Landslip (50k)	0	0	0	0	-
84	15.7	Landslip permeability (50k)	None (within 50m)				
85	15.8	<u>Bedrock geology (50k)</u>	1	2	7	6	-
86	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
87	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	3	4	3	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
88	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence					
89	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
90	17.2	<u>Running sands</u>	Very low (within 50m)				
91	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
92	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
93	17.5	<u>Landslides</u>	Very low (within 50m)				
94	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
95	18.1	Natural cavities	0	0	0	0	-
96	18.2	<u>BritPits</u>	0	0	0	1	-
96	18.3	<u>Surface ground workings</u>	0	0	11	-	-
97	18.4	<u>Underground workings</u>	0	0	0	0	3
97	18.5	Historical Mineral Planning Areas	0	0	0	0	-



97	18.6	Non-coal mining	0	0	0	0	0
98	18.7	Mining cavities	0	0	0	0	0
98	18.8	JPB mining areas	None (within 0m)				
98	18.9	<u>Coal mining</u>	Identified (within 0m)				
98	18.10	Brine areas	None (within 0m)				
99	18.11	Gypsum areas	None (within 0m)				
99	18.12	Tin mining	None (within 0m)				
99	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
100	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
101	20.1	<u>BGS Estimated Background Soil Chemistry</u>	4	6	-	-	-
102	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
102	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
103	21.1	Underground railways (London)	0	0	0	-	-
103	21.2	Underground railways (Non-London)	0	0	0	-	-
103	21.3	Railway tunnels	0	0	0	-	-
103	21.4	Historical railway and tunnel features	0	0	0	-	-
103	21.5	Royal Mail tunnels	0	0	0	-	-
104	21.6	Historical railways	0	0	0	-	-
104	21.7	Railways	0	0	0	-	-
104	21.8	Crossrail 1	0	0	0	0	-
104	21.9	Crossrail 2	0	0	0	0	-
104	21.10	HS2	0	0	0	0	-

Recent aerial photograph



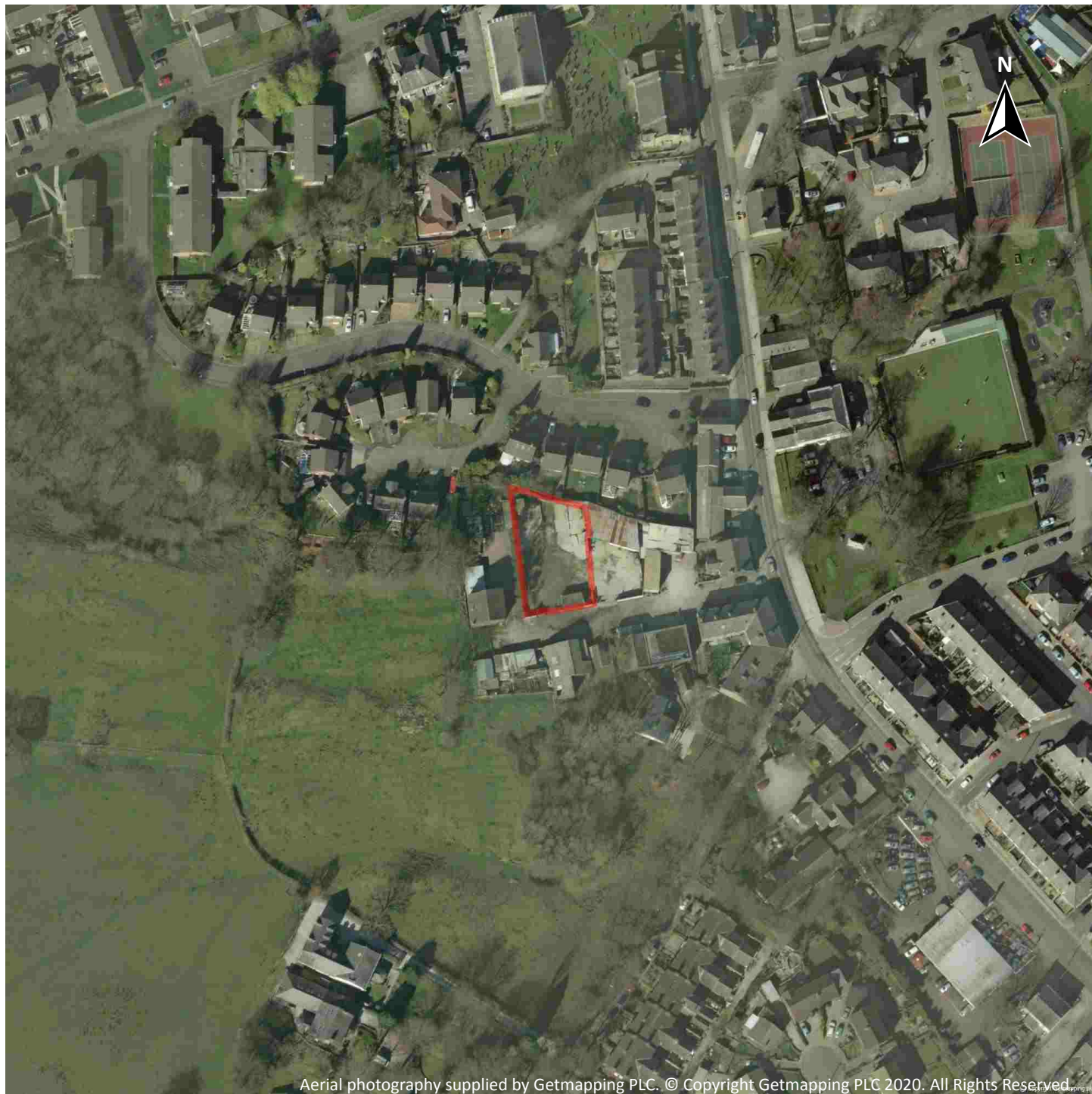
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Capture Date: 23/05/2019

Site Area: 0.08ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.08ha



Recent site history - 2001 aerial photograph



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Capture Date: 07/05/2001

Site Area: 0.08ha



Recent site history - 2000 aerial photograph



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Capture Date: 04/09/2000

Site Area: 0.08ha



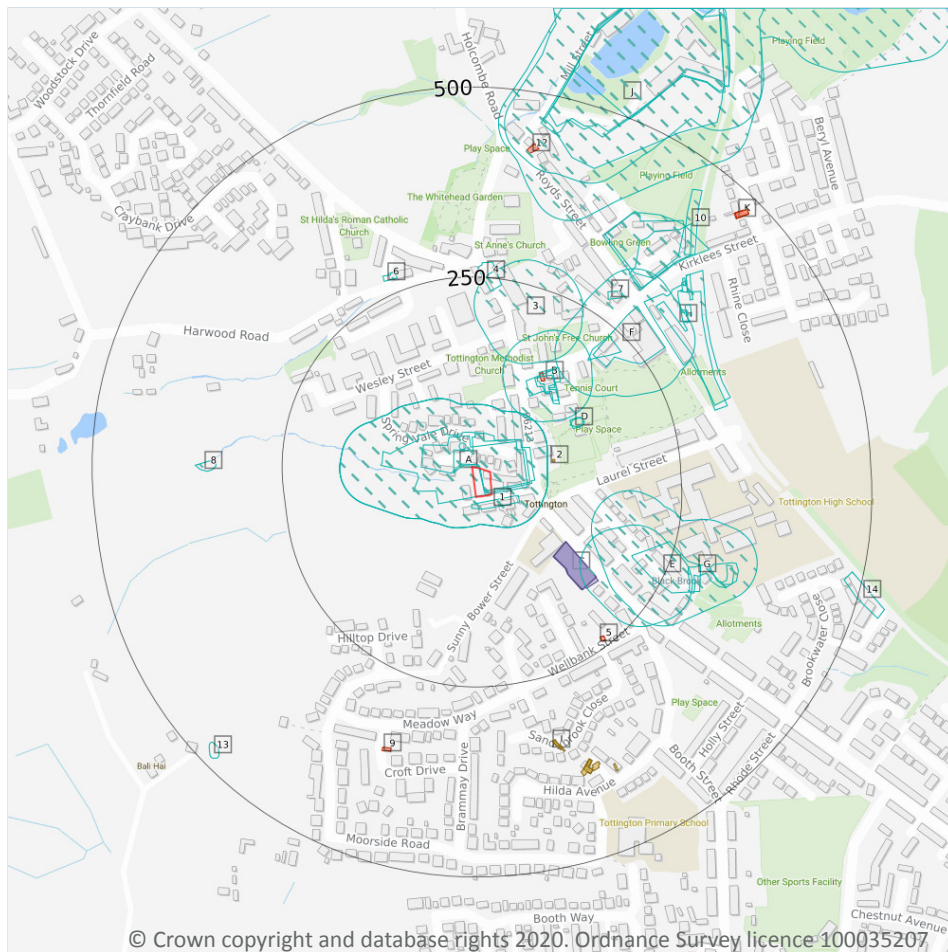
OS MasterMap site plan



Site Area: 0.08ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

46

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 13**

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Mill	1956	695657



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Mill	1891	698100
A	On site	Cotton Mill	1909 - 1928	707367
A	On site	Unspecified Works	1974 - 1980	714535
A	On site	Unspecified Mill	1938	726427
A	On site	Unspecified Works	1969	741133
1	8m S	Unspecified Depot	1974 - 1980	721015
A	26m NW	Chimney	1969	684505
B	85m NE	Police Station	1891	749230
B	112m NE	Police Station	1928	695366
D	122m NE	Unspecified Heap	1928	729525
B	123m NE	Police Station	1909	708530
D	124m NE	Unspecified Heap	1891	722712
B	126m NE	Police Station	1938 - 1980	725387
E	137m E	Shuttle Works	1938 - 1956	737811
E	142m SE	Shuttle Works	1928	725293
3	147m N	Brewery	1928 - 1938	736590
F	157m NE	Railway Foundry	1938 - 1956	703333
F	195m NE	Railway Foundry	1928	769734
E	201m SE	Unspecified Works	1974 - 1980	696564
F	205m NE	Unspecified Works	1969 - 1980	763287
4	233m N	Constabulary Station	1851	644970
6	268m N	Smithy	1851	692940
7	275m NE	Brewery	1956	672157
G	276m E	Unspecified Ground Workings	1969	648105
H	290m NE	Railway Sidings	1956	757988
G	303m E	Unspecified Heap	1974 - 1980	733347
H	305m NE	Railway Sidings	1909 - 1938	727652
H	310m NE	Unspecified Works	1969	729903



ID	Location	Land use	Dates present	Group ID
H	314m NE	Unspecified Works	1980	697662
H	322m NE	Goods Shed	1928 - 1938	711430
H	323m NE	Unspecified Works	1974	760393
H	331m NE	Railway Building	1956	669839
8	337m W	Unspecified Pit	1891	690896
J	344m N	Bleach Works	1851 - 1891	713024
H	346m NE	Railway Station	1909 - 1938	759350
H	347m NE	Railway Station	1956	717165
H	353m NE	Railway Station	1891	757965
10	384m NE	Cuttings	1891	642636
11	399m N	Dyeing and Printing Mill	1909	683024
J	422m N	Unspecified Works	1956	766465
J	451m N	Unspecified Works	1938	737217
J	461m N	Unspecified Works	1969 - 1980	748944
13	473m SW	Sandstone Quarry	1851	686674
14	477m E	Cuttings	1909 - 1928	731604
J	499m N	Unspecified Works	1928	736194

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

8

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
2	84m E	Unspecified Tank	1989	103606



ID	Location	Land use	Dates present	Group ID
I	333m S	Tanks	1960 - 1967	90041
I	333m S	Tanks	1965	91071
I	371m S	Tanks	1989 - 1997	100786
I	371m S	Tanks	1973	94824
I	371m S	Tanks	1967	98070
I	378m S	Tanks	1973 - 1997	102018
I	389m SE	Unspecified Tank	1930	82501

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

6

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
B	137m NE	Electricity Substation	1969 - 1989	55312
5	236m SE	Electricity Substation	1967 - 1997	49869
9	349m S	Electricity Substation	1967 - 1992	58803
12	419m N	Electricity Substation	1969 - 1989	56632
K	465m NE	Electricity Substation	1985 - 1995	53304
K	466m NE	Electricity Substation	1969	51062

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m**0**

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m**3**

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
C	114m SE	Garage	1989	18532
C	115m SE	Garage	1967 - 1973	17762
C	115m SE	Garage	1997	16060

This data is sourced from Ordnance Survey / Groundsure.

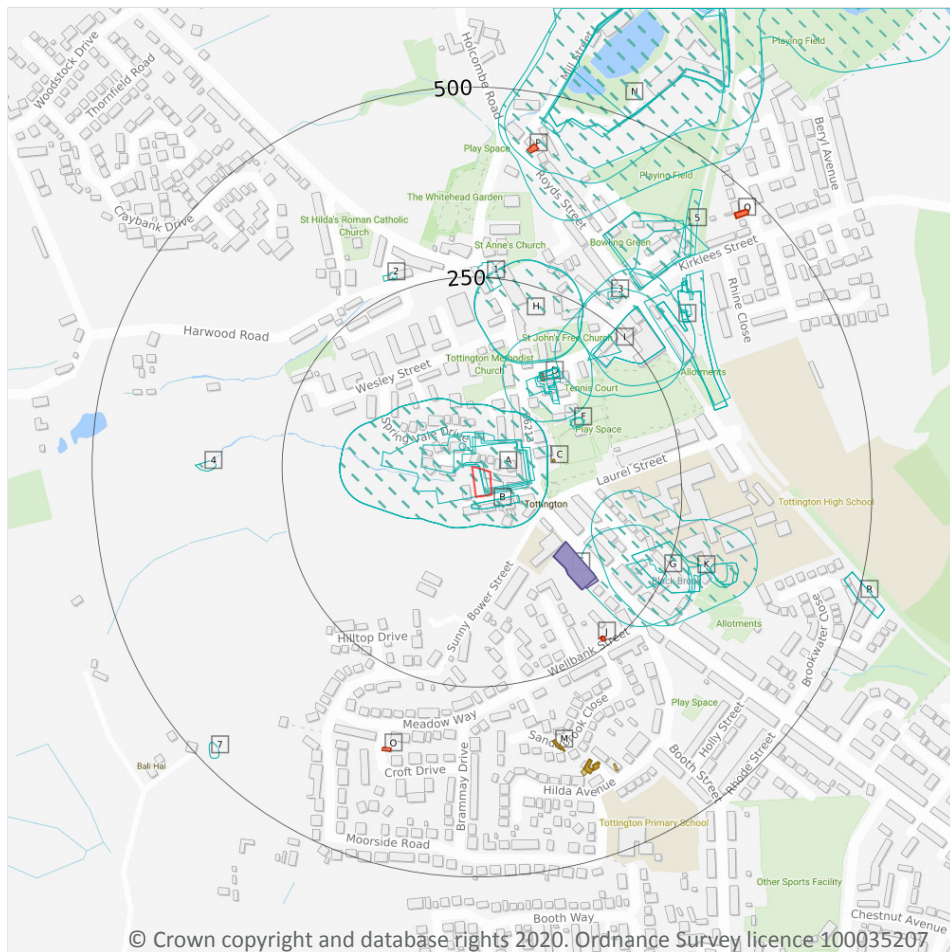
1.6 Historical military land

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



- 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

68

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

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

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1980	714535
A	On site	Unspecified Works	1969	741133
A	On site	Unspecified Works	1974	714535



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mill	1956	695657
A	On site	Unspecified Mill	1938	726427
A	On site	Cotton Mill	1928	707367
A	On site	Cotton Mill	1909	707367
A	On site	Unspecified Mill	1891	698100
B	8m S	Unspecified Depot	1980	721015
B	8m S	Unspecified Depot	1974	721015
A	26m NW	Chimney	1969	684505
D	85m NE	Police Station	1891	749230
D	112m NE	Police Station	1928	695366
F	122m NE	Unspecified Heap	1928	729525
D	123m NE	Police Station	1909	708530
F	124m NE	Unspecified Heap	1891	722712
D	126m NE	Police Station	1938	725387
D	134m NE	Police Station	1956	725387
G	137m E	Shuttle Works	1938	737811
D	139m NE	Police Station	1980	725387
D	139m NE	Police Station	1969	725387
D	139m NE	Police Station	1974	725387
G	142m SE	Shuttle Works	1928	725293
H	147m N	Brewery	1938	736590
H	149m N	Brewery	1928	736590
I	157m NE	Railway Foundry	1938	703333
I	195m NE	Railway Foundry	1928	769734
I	199m NE	Railway Foundry	1956	703333
G	200m SE	Shuttle Works	1956	737811
G	201m SE	Unspecified Works	1980	696564
G	201m SE	Unspecified Works	1974	696564



ID	Location	Land Use	Date	Group ID
I	205m NE	Unspecified Works	1980	763287
I	205m NE	Unspecified Works	1969	763287
I	205m NE	Unspecified Works	1974	763287
1	233m N	Constabulary Station	1851	644970
2	268m N	Smithy	1851	692940
3	275m NE	Brewery	1956	672157
K	276m E	Unspecified Ground Workings	1969	648105
L	290m NE	Railway Sidings	1956	757988
K	303m E	Unspecified Heap	1980	733347
K	303m E	Unspecified Heap	1974	733347
L	305m NE	Railway Sidings	1938	727652
L	305m NE	Railway Sidings	1928	727652
L	305m NE	Railway Sidings	1909	727652
L	310m NE	Unspecified Works	1969	729903
L	314m NE	Unspecified Works	1980	697662
L	322m NE	Goods Shed	1938	711430
L	323m NE	Goods Shed	1928	711430
L	323m NE	Unspecified Works	1974	760393
L	331m NE	Railway Building	1956	669839
4	337m W	Unspecified Pit	1891	690896
N	344m N	Bleach Works	1891	713024
L	346m NE	Railway Station	1938	759350
L	346m NE	Railway Station	1928	759350
L	346m NE	Railway Station	1909	759350
L	347m NE	Railway Station	1956	717165
L	353m NE	Railway Station	1891	757965
5	384m NE	Cuttings	1891	642636
6	399m N	Dyeing and Printing Mill	1909	683024



ID	Location	Land Use	Date	Group ID
N	422m N	Unspecified Works	1956	766465
N	451m N	Unspecified Works	1938	737217
N	461m N	Unspecified Works	1980	748944
N	461m N	Unspecified Works	1969	748944
N	461m N	Unspecified Works	1974	748944
7	473m SW	Sandstone Quarry	1851	686674
R	477m E	Cuttings	1928	731604
R	477m E	Cuttings	1909	731604
N	499m N	Unspecified Works	1928	736194

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

13

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

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

ID	Location	Land Use	Date	Group ID
C	84m E	Unspecified Tank	1989	103606
C	84m E	Unspecified Tank	1989	103606
M	333m S	Tanks	1960	90041
M	333m S	Tanks	1967	90041
M	333m S	Tanks	1965	91071
M	371m S	Tanks	1989	100786
M	371m S	Tanks	1967	98070
M	371m S	Tanks	1973	94824
M	372m S	Tanks	1997	100786
M	378m S	Tanks	1989	102018
M	379m S	Tanks	1973	102018



ID	Location	Land Use	Date	Group ID
M	379m S	Tanks	1997	102018
M	389m SE	Unspecified Tank	1930	82501

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

17

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

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

ID	Location	Land Use	Date	Group ID
D	137m NE	Electricity Substation	1985	55312
D	137m NE	Electricity Substation	1989	55312
D	138m NE	Electricity Substation	1969	55312
J	236m SE	Electricity Substation	1989	49869
J	236m SE	Electricity Substation	1989	49869
J	237m SE	Electricity Substation	1967	49869
J	237m SE	Electricity Substation	1973	49869
J	238m SE	Electricity Substation	1997	49869
O	349m S	Electricity Substation	1967	58803
O	349m S	Electricity Substation	1992	58803
P	419m N	Electricity Substation	1985	56632
P	419m N	Electricity Substation	1989	56632
P	419m N	Electricity Substation	1969	56632
Q	465m NE	Electricity Substation	1985	53304
Q	465m NE	Electricity Substation	1989	53304
Q	465m NE	Electricity Substation	1995	53304
Q	466m NE	Electricity Substation	1969	51062

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**5**

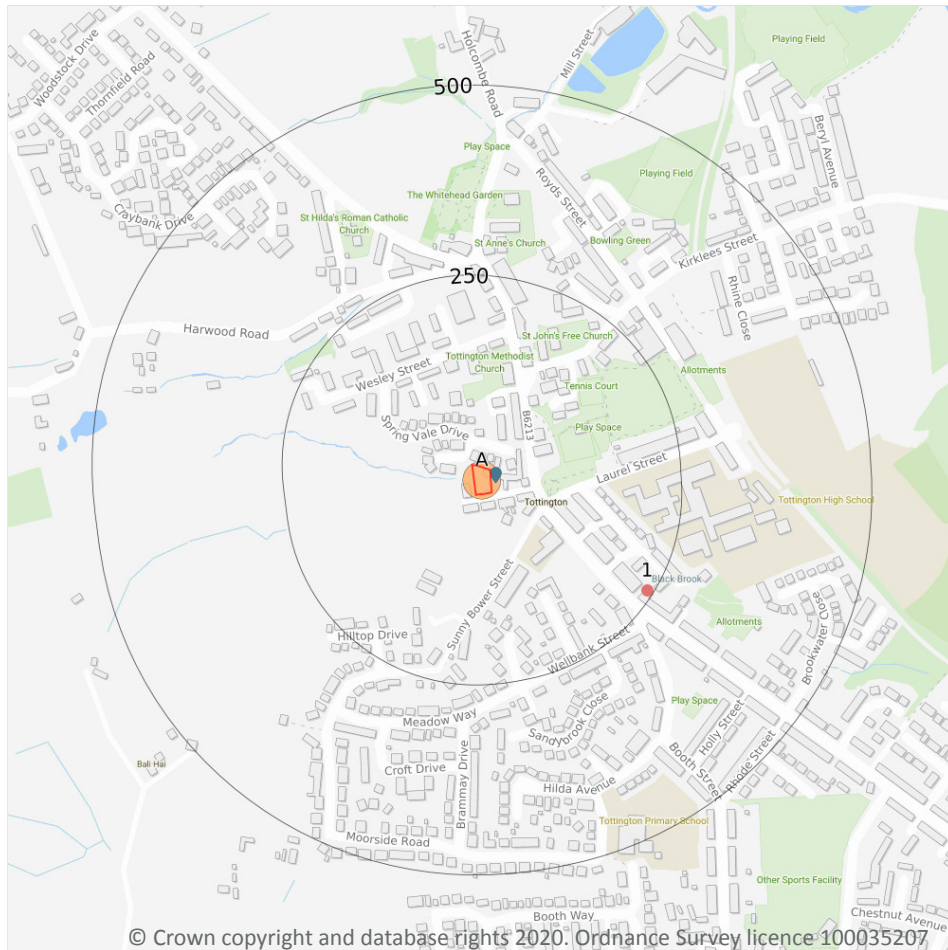
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land Use	Date	Group ID
E	114m SE	Garage	1989	18532
E	114m SE	Garage	1989	18532
E	115m SE	Garage	1967	17762
E	115m SE	Garage	1973	17762
E	115m SE	Garage	1997	16060

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- 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

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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

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

3.5 Historical waste sites

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 24**

ID	Location	Address	Further Details	Date
A	On site	Site Address: Spring Vale Street, Tottingham, BURY, Greater Manchester, BL8 3LR	Type of Site: Waste Transfer Depot (Conversion) Planning application reference: 33075 Description: An application (ref: 33075) for Detailed Planning permission was submitted to Bury M.B.C. on 10th 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 24**

ID	Location	Details		
A	5m E	Site Name: Metcalfe Demolition & Skip Hire Ltd Site Address: 10, Spring Vale Street, Tottington, Bury, Lancashire, BL8 3LR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MET001 EPR reference: EA/EPR/GP3892CA/T001 Operator: Metcalfe Demolition & Skip Hire Ltd Waste Management licence No: 53463 Annual Tonnage: 5000	Issue Date: 16/02/1999 Effective Date: 28/07/2001 Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

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

3.7 Waste exemptions

Records within 500m	1
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

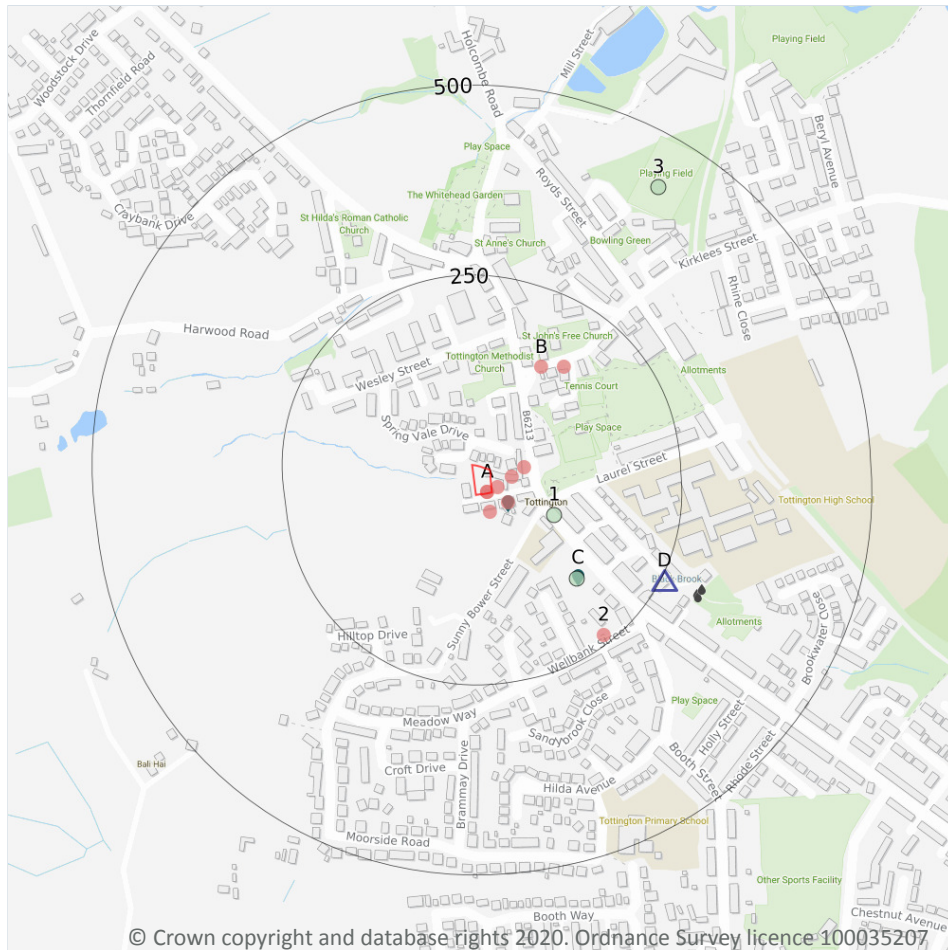
Features are displayed on the Waste and landfill map on **page 24**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	242m SE	1 Bury Road Bury Bury BL8 3HD	EPR/AF0100V U/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal

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
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

10

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Company	Address	Activity	Category
A	On site	Bell Excavation & Plant Hire Ltd	6, Spring Vale Street, Tottington, Bury, Greater Manchester, BL8 3LR	Construction and Tool Hire	Hire Services
A	On site	Diggers Bury	6 Spring Vale Street, Tottington, Bury, Greater Manchester, BL8 3LR	Construction and Tool Hire	Hire Services



ID	Location	Company	Address	Activity	Category
A	8m E	Depot	Greater Manchester, BL8	Container and Storage	Transport, Storage and Delivery
A	24m S	Depot	Greater Manchester, BL8	Container and Storage	Transport, Storage and Delivery
A	25m SE	Depot	Greater Manchester, BL8	Container and Storage	Transport, Storage and Delivery
A	28m E	Re-upholstery Specialists	2b, Spring Vale Street, Tottington, Bury, Greater Manchester, BL8 3LR	Furniture	Consumer Products
A	45m E	Motorscreen Ltd	82, Market Street, Tottington, Bury, Greater Manchester, BL8 3LJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	151m NE	Electricity Sub Station	Greater Manchester, BL8	Electrical Features	Infrastructure and Facilities
B	167m NE	Gas Governor Station	Greater Manchester, BL8	Gas Features	Infrastructure and Facilities
2	238m SE	Electricity Sub Station	Greater Manchester, BL8	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Company	Address	LPG	Status
D	255m SE	SHELL	106, Market Street, Tottington, Bury, Greater Manchester, BL8 3LS	No	Under Development

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

2

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 27**

ID	Location	Address	Details	
A	25m SE	Village Garage, 13 Spring Vale, Tottington, BL8 3LR	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	159m SE	Tottington Motor Co, Market Street, BL8 3LS	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.



4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

4

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

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Address	Details	
D	300m SE	NEW STREET COMBINED SEWER OVERFLOW, 13 NEW STREET, TOTTINGTON, BURY, GREATER MANCHESTER, BL8 3HA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0008 Permit Version: 4 Receiving Water: BLACK BROOK	Status: VARIED UNDER EPR 2010 Issue date: 27/11/2019 Effective Date: 27/11/2019 Revocation Date: -
D	303m SE	NEW STREET COMBINED SEWER OVERFLOW, 13 NEW STREET, TOTTINGTON, BURY, GREATER MANCHESTER, BL8 3HA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0008 Permit Version: 3 Receiving Water: BLACK BROOK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 26/11/2019
D	303m SE	NEW STREET COMBINED SEWER OVERFLOW, 13 NEW STREET, TOTTINGTON, BURY, GREATER MANCHESTER, BL8 3HA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0008 Permit Version: 1 Receiving Water: BLACK BROOK	Status: VARIED UNDER EPR 2010 Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
D	303m SE	NEW STREET COMBINED SEWER OVERFLOW, 13 NEW STREET, TOTTINGTON, BURY, GREATER MANCHESTER, BL8 3HA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0008 Permit Version: 2 Receiving Water: BLACK BROOK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**3**

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

Features are displayed on the Current industrial land use map on **page 27**

ID	Location	Details	
1	87m E	Incident Date: 29/07/2001 Incident Identification: 20086 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	159m SE	Incident Date: 23/09/2002 Incident Identification: 109953 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	433m NE	Incident Date: 26/04/2001 Incident Identification: 3504 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m

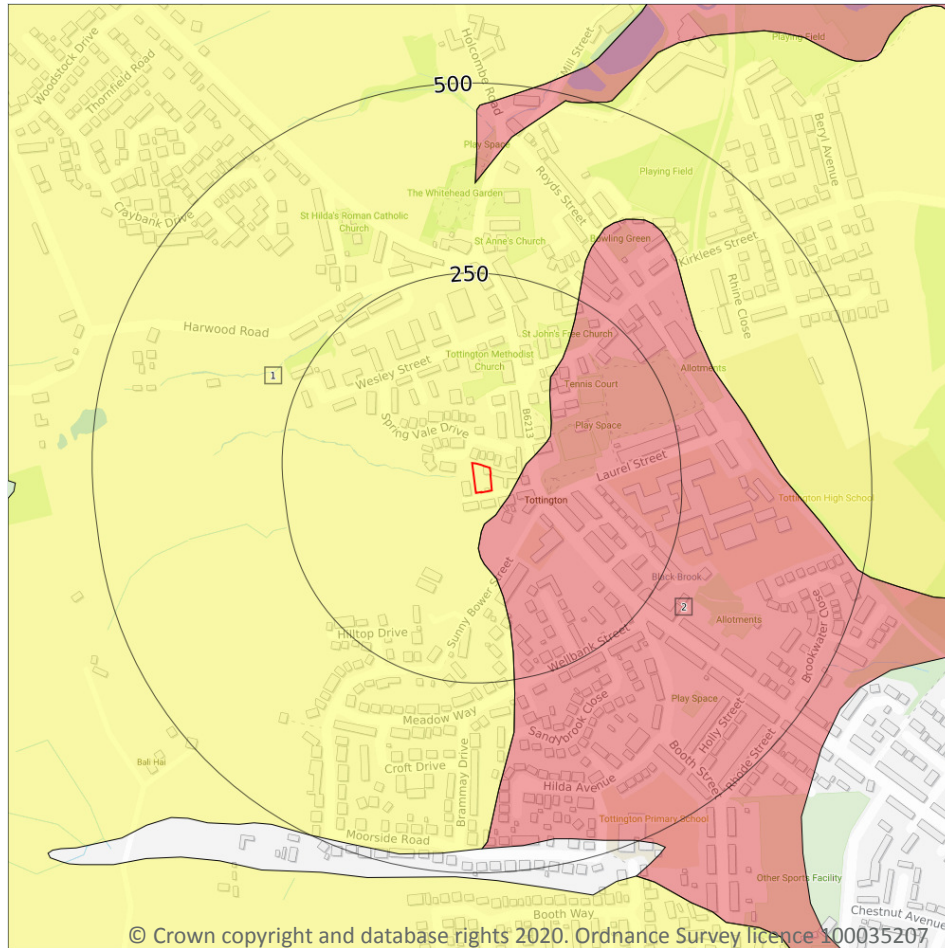
0

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

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



5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 34**

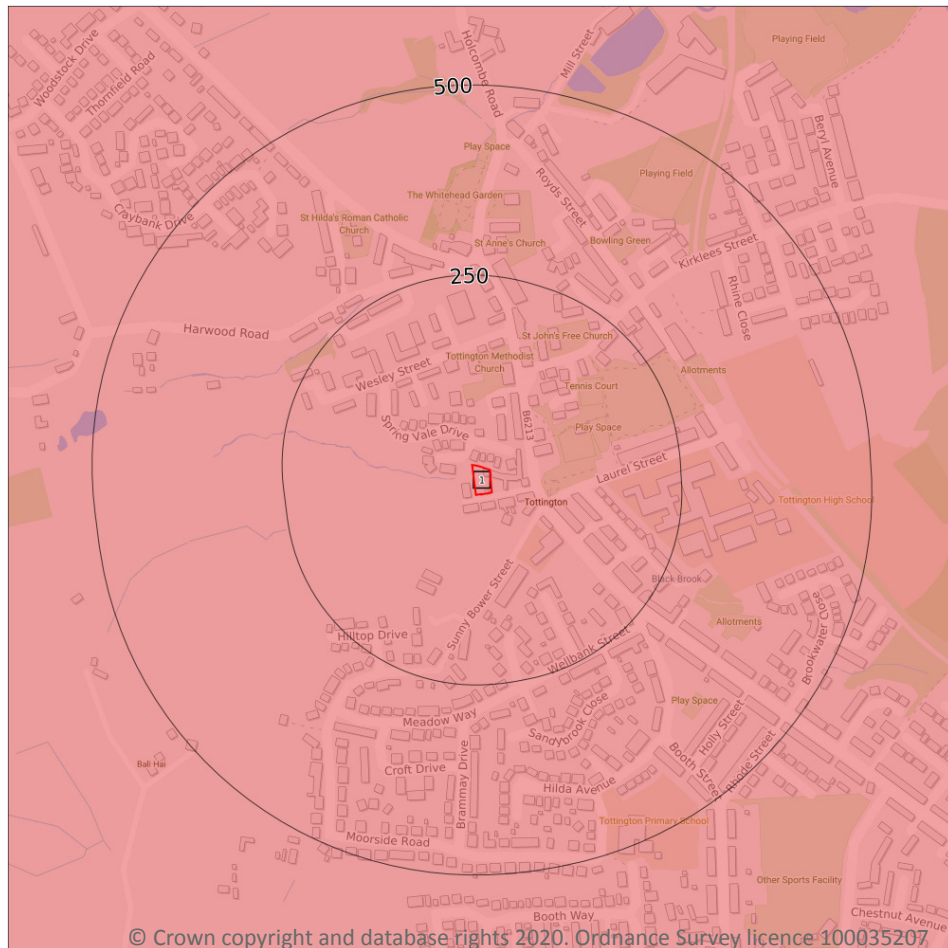
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	23m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

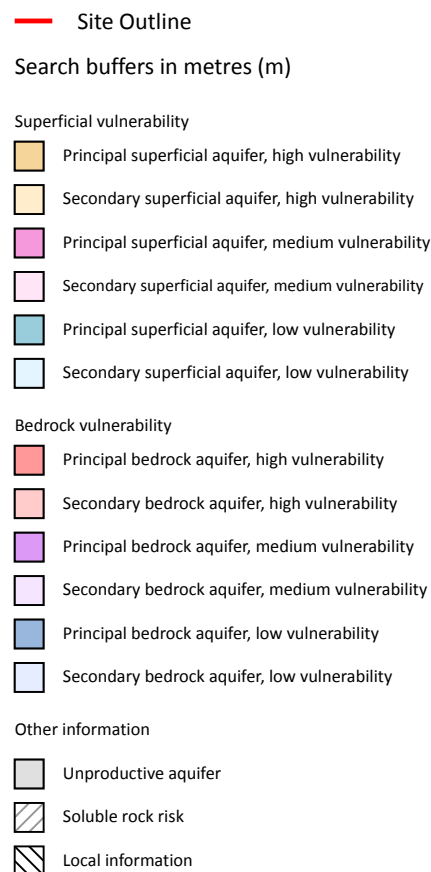
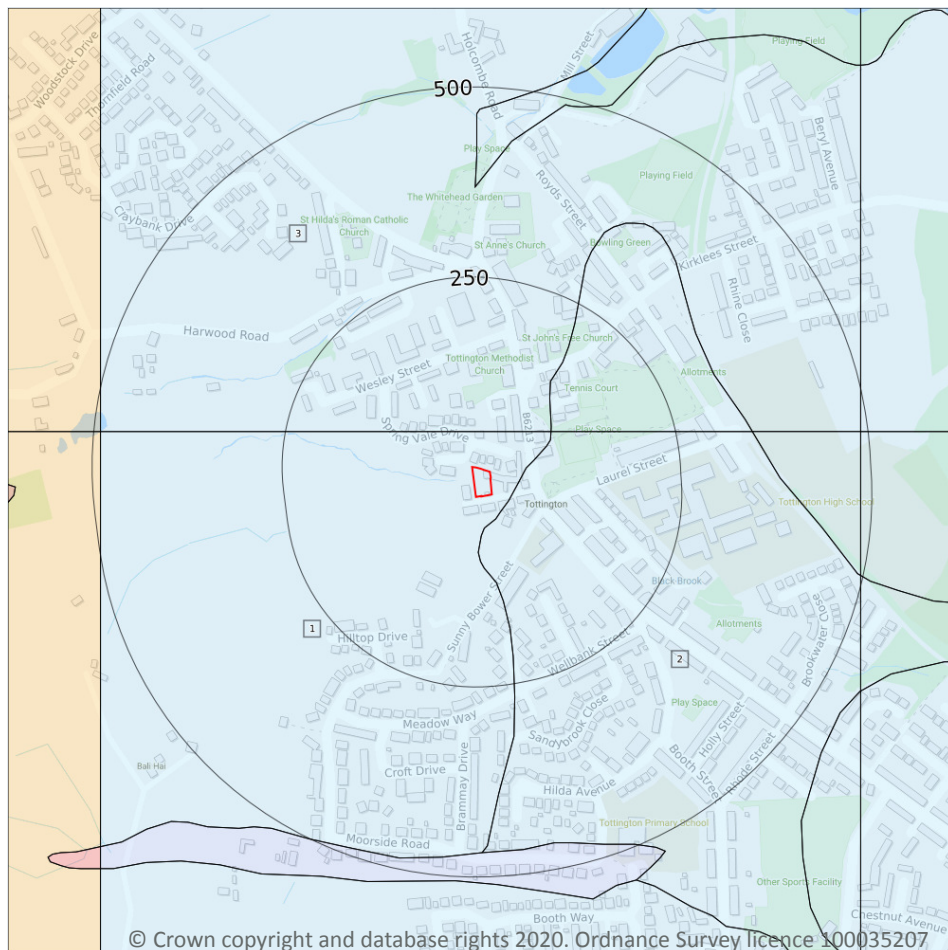
Features are displayed on the Bedrock aquifer map on **page 36**

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

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

3

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

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

Features are displayed on the Groundwater vulnerability map on **page 37**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	22m SE	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	46m N	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: <3m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

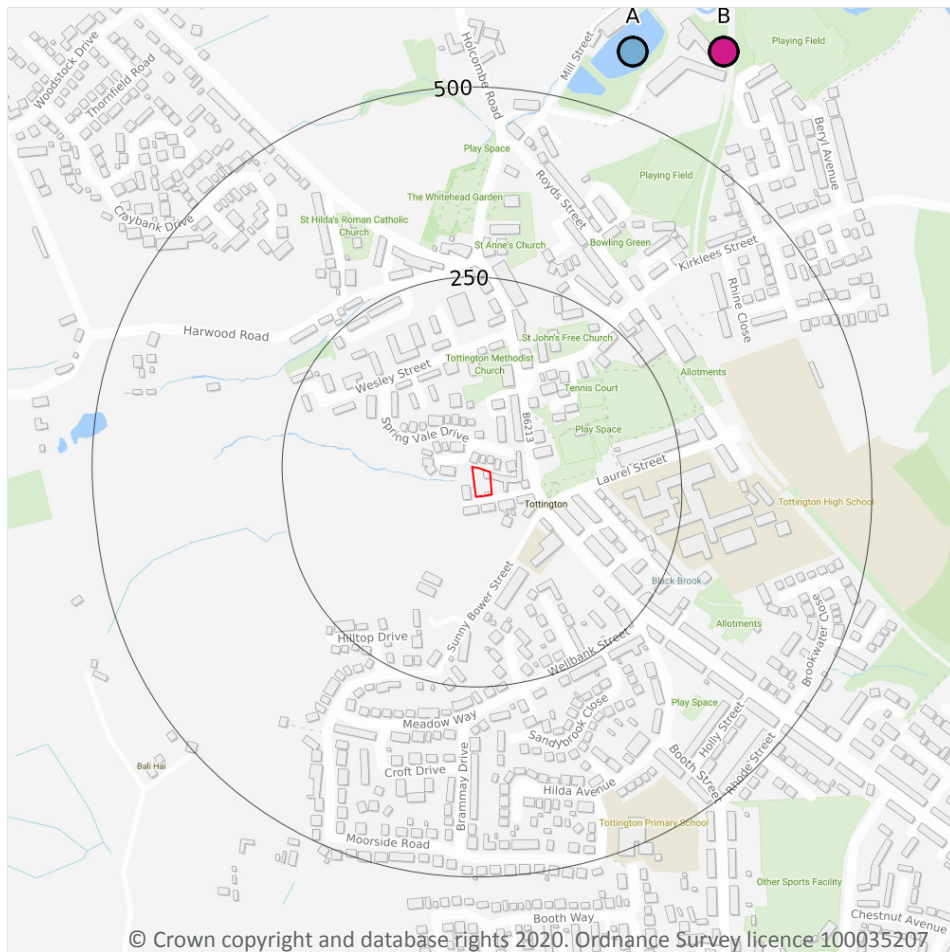
0

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

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



Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

23

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 39**

ID	Location	Details	
B	632m NE	Status: Historical Licence No: 2569001253 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT STORMER HILL,TOTTINGTON" Data Type: Point Name: EDWARD TURNBULL & CO LTD Easting: 377820 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31-Dec-08 Issue No: 100 Version Start Date: 05/10/1998 Version End Date: -
B	632m NE	Status: Historical Licence No: 2569001253 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT STORMER HILL,TOTTINGTON Data Type: Point Name: EDWARD TURNBULL & CO LTD Easting: 377820 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: 31/12/2008 Issue No: 100 Version Start Date: 05/10/1998 Version End Date: -
B	632m NE	Status: Historical Licence No: 2569001253 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT STORMER HILL, TOTTINGTON Data Type: Point Name: EDWARD TURNBULL LTD Easting: 377820 Northing: 413500	Annual Volume (m ³): 100000 Max Daily Volume (m ³): 363.64 Original Application No: - Original Start Date: 05/10/1998 Expiry Date: 31/12/2008 Issue No: 101 Version Start Date: 04/12/2007 Version End Date: -
B	632m NE	Status: Historical Licence No: 2569001253R1 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT EDWARD TURNBULL, TOTTINGTON, BURY Data Type: Point Name: EDWARD TURNBULL LTD Easting: 377820 Northing: 413500	Annual Volume (m ³): 39000 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 27/02/2009 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 27/02/2009 Version End Date: -
B	632m NE	Status: Historical Licence No: 25/69/001/253/R02 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT EDWARD TURNBULL, TOTTINGTON, BURY Data Type: Point Name: Turnbull Prints Limited Easting: 377820 Northing: 413500	Annual Volume (m ³): 39000 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/3/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -



ID	Location	Details	
B	632m NE	Status: Active Licence No: 2569001253R02 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT EDWARD TURNBULL, TOTTINGTON, BURY Data Type: Point Name: Turnbull Prints Limited Easting: 377820 Northing: 413500	Annual Volume (m ³): 39,000 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	861m NW	Status: Historical Licence No: 2569001113 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT STORMER HILL CLOSES FARM, TOTTINGTON, NR BURY" Data Type: Point Name: PETER & JANET HOYLE Easting: 376700 Northing: 413300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 03/09/2000 Version End Date: -
-	861m NW	Status: Historical Licence No: 2569001113 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT STORMER HILL CLOSES FARM, TOTTINGTON, NR BURY Data Type: Point Name: PETER & JANET HOYLE Easting: 376700 Northing: 413300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 03/09/2000 Version End Date: -
-	1226m SE	Status: Historical Licence No: 2569001057 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT BOLHOLT FARM, WALSHAW, BURY" Data Type: Point Name: HEYS Easting: 378200 Northing: 411900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/02/1966 Version End Date: -



ID	Location	Details	
-	1226m SE	Status: Historical Licence No: 2569001057 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT BOLHOLT FARM, WALSHAW, BURY Data Type: Point Name: HEYS Easting: 378200 Northing: 411900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/02/1966 Version End Date: -
-	1428m W	Status: Historical Licence No: 2569001019 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT ISHERWOODS FARM, WALSHAW" Data Type: Point Name: HOUGHTON Easting: 376100 Northing: 412600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/01/1966 Version End Date: -
-	1428m W	Status: Historical Licence No: 2569001019 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT ISHERWOODS FARM, WALSHAW Data Type: Point Name: HOUGHTON Easting: 376100 Northing: 412600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/01/1966 Version End Date: -
-	1446m SW	Status: Historical Licence No: 2569001248 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT HEIGHTS BARN, FOUR LANE ENDS, TOTTINGTON" Data Type: Point Name: MILLWARD ROGERS Easting: 376260 Northing: 412160	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/09/1995 Expiry Date: - Issue No: 100 Version Start Date: 08/09/1995 Version End Date: -



ID	Location	Details	
-	1446m SW	Status: Historical Licence No: 2569001248 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT HEIGHTS BARN, FOUR LANE ENDS, TOTTINGTON Data Type: Point Name: MILLWARD ROGERS Easting: 376260 Northing: 412160	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/09/1995 Expiry Date: - Issue No: 100 Version Start Date: 08/09/1995 Version End Date: -
-	1707m SW	Status: Historical Licence No: 2569001177 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "B/HOLE, OLD HOLTS FARMROADING BROOK RD, HARWOOD, BOLTON" Data Type: Point Name: MARSDEN Easting: 376200 Northing: 411800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/02/1969 Expiry Date: - Issue No: 100 Version Start Date: 24/02/1969 Version End Date: -
-	1707m SW	Status: Historical Licence No: 2569001177 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: B/HOLE, OLD HOLTS FARMROADING BROOK RD, HARWOOD, BOLTON Data Type: Point Name: MARSDEN Easting: 376200 Northing: 411800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/02/1969 Expiry Date: - Issue No: 100 Version Start Date: 24/02/1969 Version End Date: -
-	1745m SE	Status: Historical Licence No: 2569001017 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, OLIVES PAPERMILLS, BURY" Data Type: Point Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 379000 Northing: 412000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -



ID	Location	Details	
-	1745m SE	Status: Historical Licence No: 2569001017 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, OLIVES PAPERMILLS, BURY Data Type: Point Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 379000 Northing: 412000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1745m SE	Status: Historical Licence No: 2569001017 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, OLIVES PAPERMILLS, BURY Data Type: Point Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 379000 Northing: 412000	Annual Volume (m ³): 154564 Max Daily Volume (m ³): 1591.1 Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1770m W	Status: Historical Licence No: 2569003068 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, HIGH BARN FARMHARWOOD, BOLTON" Data Type: Point Name: E JOULE & SONS Easting: 375800 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1967 Version End Date: -
-	1770m W	Status: Historical Licence No: 2569003068 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, HIGH BARN FARMHARWOOD, BOLTON Data Type: Point Name: E JOULE & SONS Easting: 375800 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1967 Version End Date: -

ID	Location	Details	
-	1985m N	Status: Historical Licence No: 2569001042 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "SPRING AT HIGHER HALL HOUSE (HOLHOUSE) FARM, GREENMO" Data Type: Point Name: DUXBURY Easting: 377100 Northing: 414900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/01/1966 Version End Date: -
-	1985m N	Status: Historical Licence No: 2569001042 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: SPRING AT HIGHER HALL HOUSE (HOLHOUSE) FARM, GREENMO Data Type: Point Name: DUXBURY Easting: 377100 Northing: 414900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/01/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

11

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 39**

ID	Location	Details	
A	583m N	Status: Historical Licence No: 2569001009 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "RESERVOIR FED BY UNNAMED TRIB OF KIRKLEES BRK, TOTTINGTON" Data Type: Point Name: SITE ELECTRICAL PH LTD Easting: 377700 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/11/1996 Version End Date: -



ID	Location	Details	
A	583m N	Status: Historical Licence No: 2569001009 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "RESERVOIR FED BY UNNAMED TRIB OF KIRKLEES BRK, TOTTINGTON" Data Type: Point Name: SITE ELECTRICAL PH LTD Easting: 377700 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/11/1996 Version End Date: -
A	583m N	Status: Historical Licence No: 2569001009 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY UNNAMED TRIB OF KIRKLEES BRK, TOTTINGTON Data Type: Point Name: SITE ELECTRICAL PH LTD Easting: 377700 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/11/1996 Version End Date: -
A	583m N	Status: Historical Licence No: 2569001009 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY UNNAMED TRIB OF KIRKLEES BRK, TOTTINGTON Data Type: Point Name: SITE ELECTRICAL PH LTD Easting: 377700 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/11/1996 Version End Date: -
A	583m N	Status: Active Licence No: 2569001009 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY UNNAMED TRIBUTAR Y KIRKLEES BROOK Data Type: Point Name: Greenwood & Coope Limited Easting: 377700 Northing: 413500	Annual Volume (m ³): 27,276.57 Max Daily Volume (m ³): 136.38 Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 02/09/2016 Version End Date: -



ID	Location	Details	
A	583m N	Status: Active Licence No: 2569001009 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY UNNAMED TRIBUTAR Y KIRKLEES BROOK Data Type: Point Name: Greenwood & Coope Limited Easting: 377700 Northing: 413500	Annual Volume (m ³): 27,276.57 Max Daily Volume (m ³): 136.38 Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 02/09/2016 Version End Date: -
-	1256m E	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY93 Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1256m E	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "KIRKLEES BRK AT WOOLFOLD, BURY \$93" Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1256m E	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY \$93 Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1256m E	Status: Historical Licence No: 2569001170 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): 850102 Max Daily Volume (m ³): 3182.2 Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -



ID	Location	Details	
-	1800m SE	Status: Historical Licence No: 2569001170 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY KIRKLESS BROOK AND SURFACE DRAINAGE Data Type: Point Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 379000 Northing: 411900	Annual Volume (m ³): 850102 Max Daily Volume (m ³): 3182.2 Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -

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

5.8 Potable abstractions

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

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

5.9 Source Protection Zones

Records within 500m	0
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

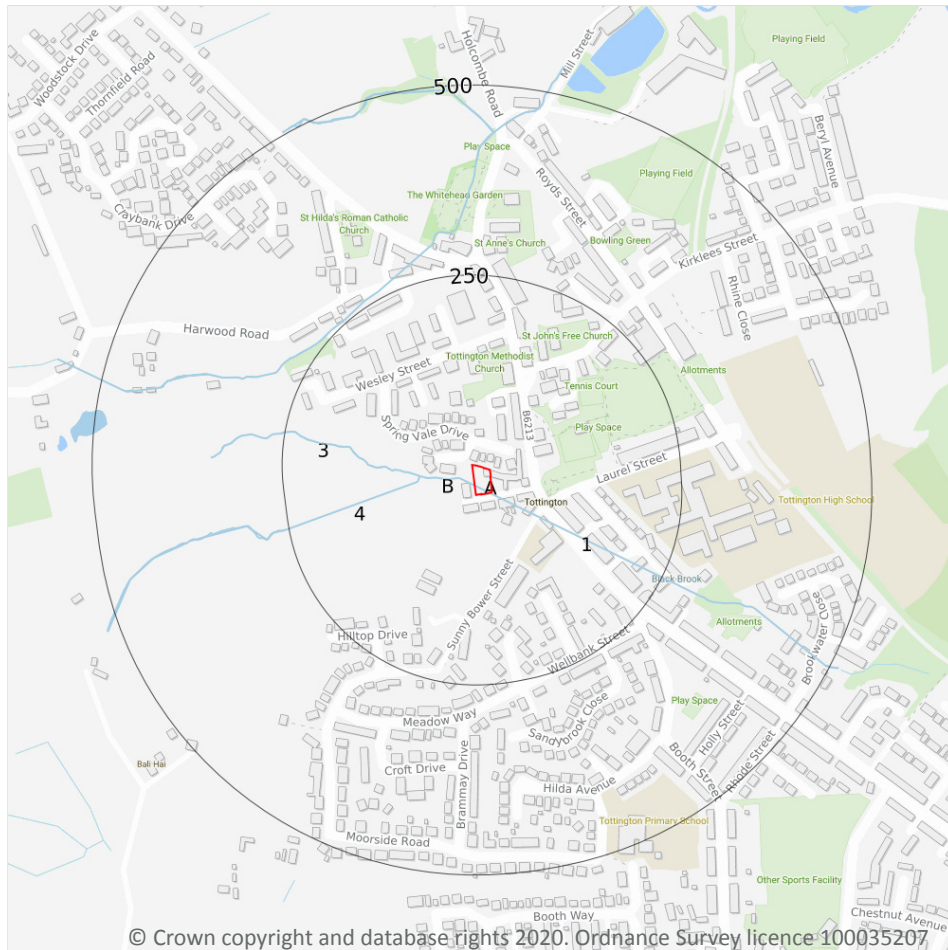
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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

6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

5

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 49**

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

ID	Location	Type of water feature	Ground level	Permanence	Name
B	19m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Black Brook
3	70m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Black Brook
B	70m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	73m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

1

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 49**

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 49**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Kirklees Brook	GB112069064610	Croal Irwell	Irwell

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



6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on **page 49**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	668m NE	River	Kirklees Brook	GB112069064610	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 49**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Northern Manchester Carboniferous Aquifers	GB41202G101800	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
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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

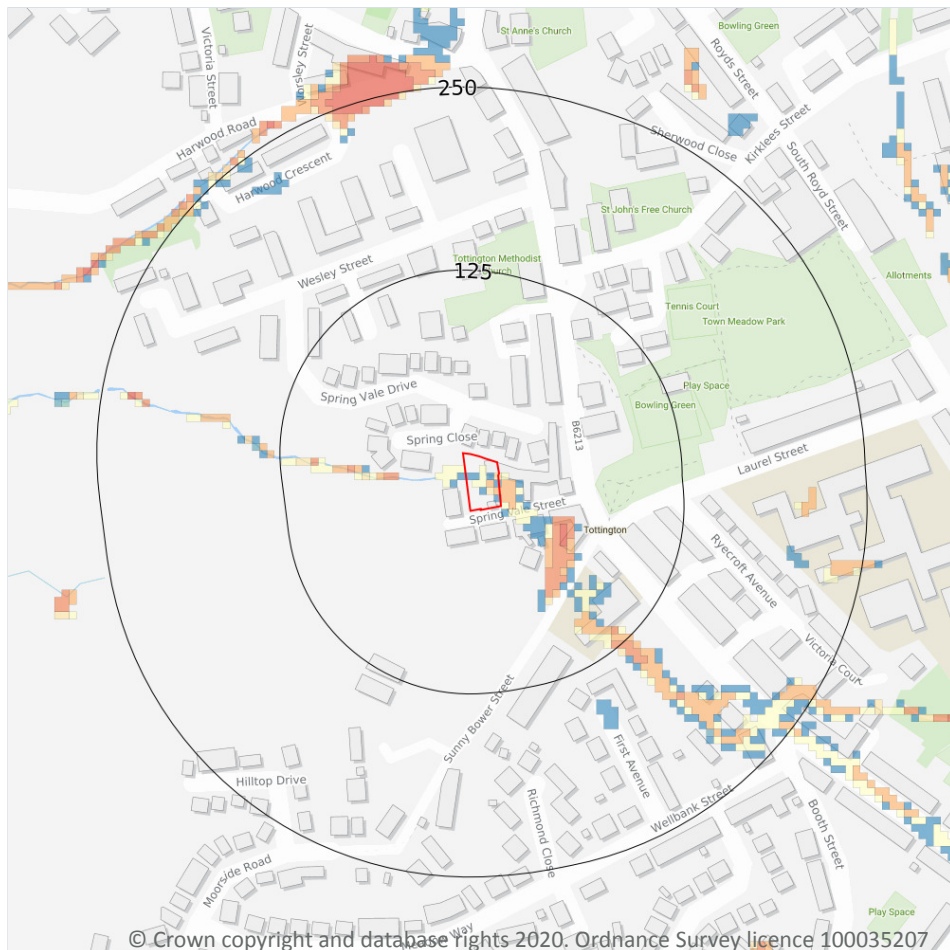
Records within 50m	0
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Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each 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, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, Greater than 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 55**

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.

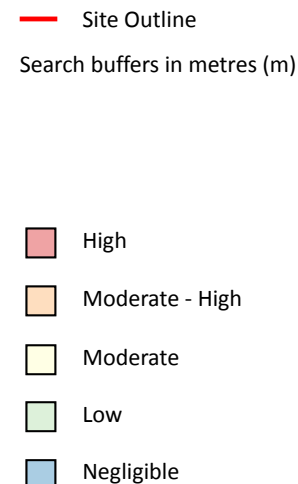
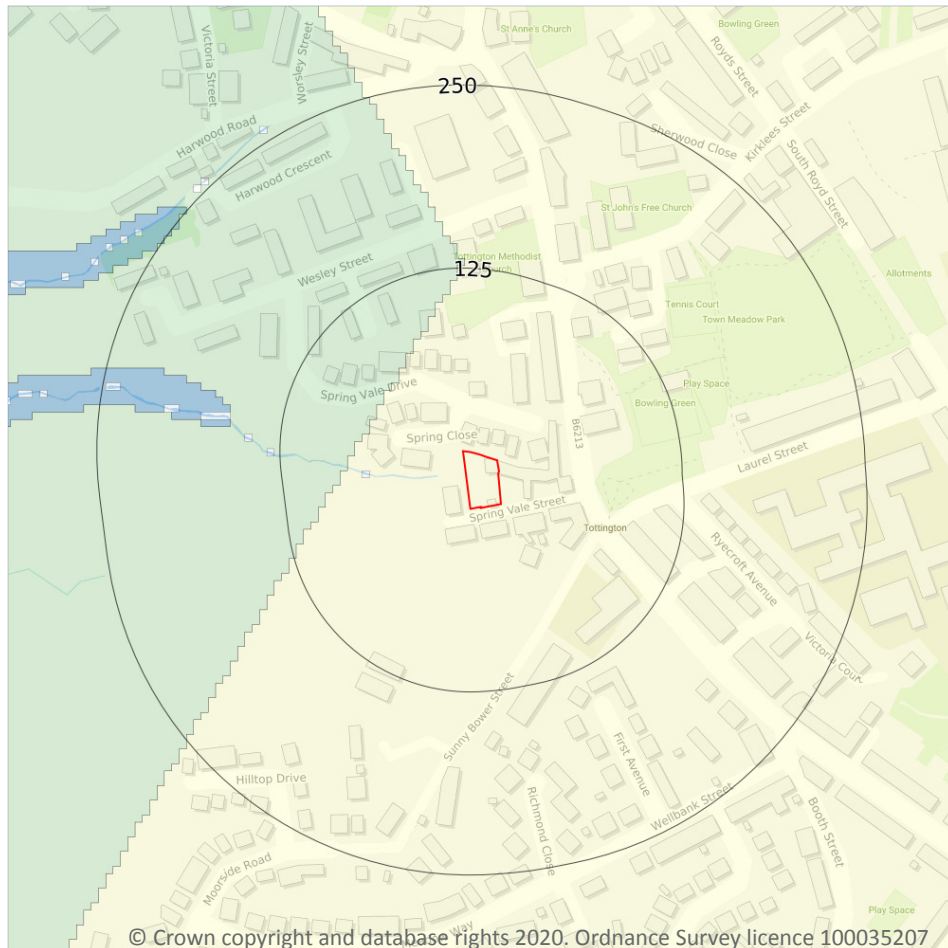
The table below shows the maximum flood depths for a range of return periods for the site.

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 0.1m and 0.3m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

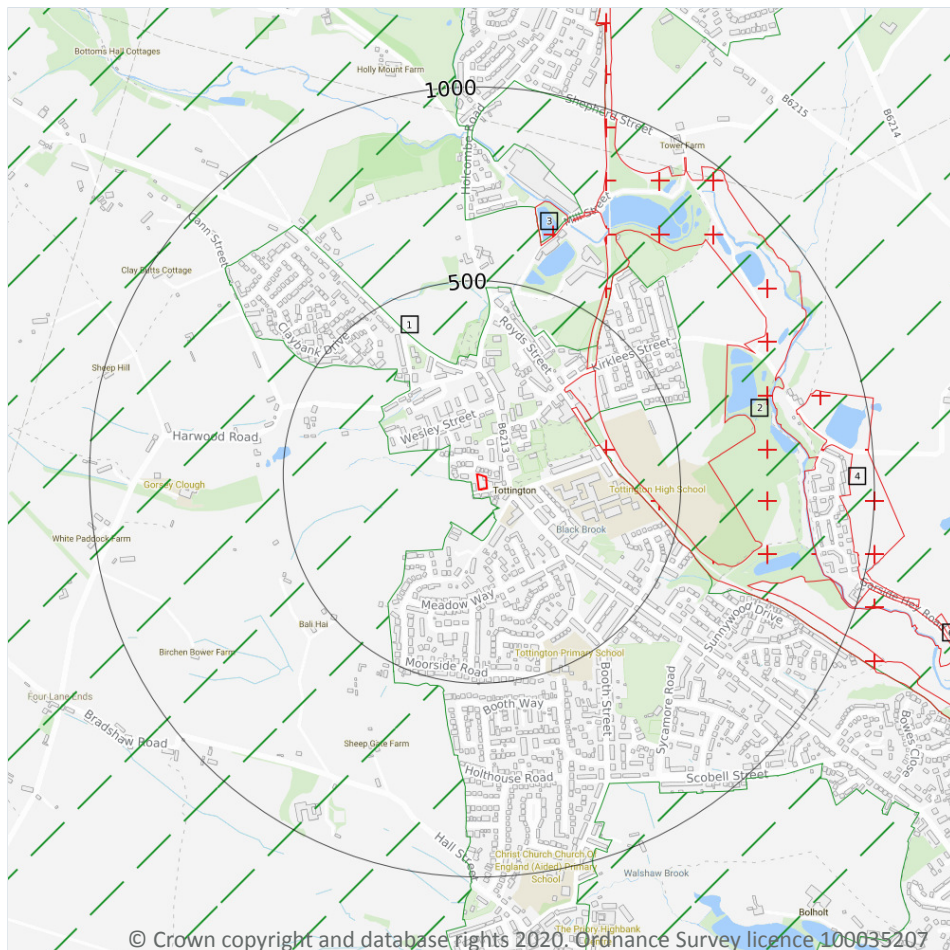
Moderate

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 57**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- / Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

5

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 58**

ID	Location	Name	Data source
2	281m NE	Kirklees Valley	Natural England
3	612m N	Kirklees Valley	Natural England
4	819m E	Kirklees Valley	Natural England
6	1206m E	Kirklees Valley	Natural England
-	1362m E	Kirklees Valley	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**3**

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

Features are displayed on the Environmental designations map on **page 58**

ID	Location	Name	Local Authority name
1	17m W	Liverpool and Manchester	Bury
5	825m SE	Liverpool and Manchester	Bury
-	1430m W	Liverpool and Manchester	Bolton

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

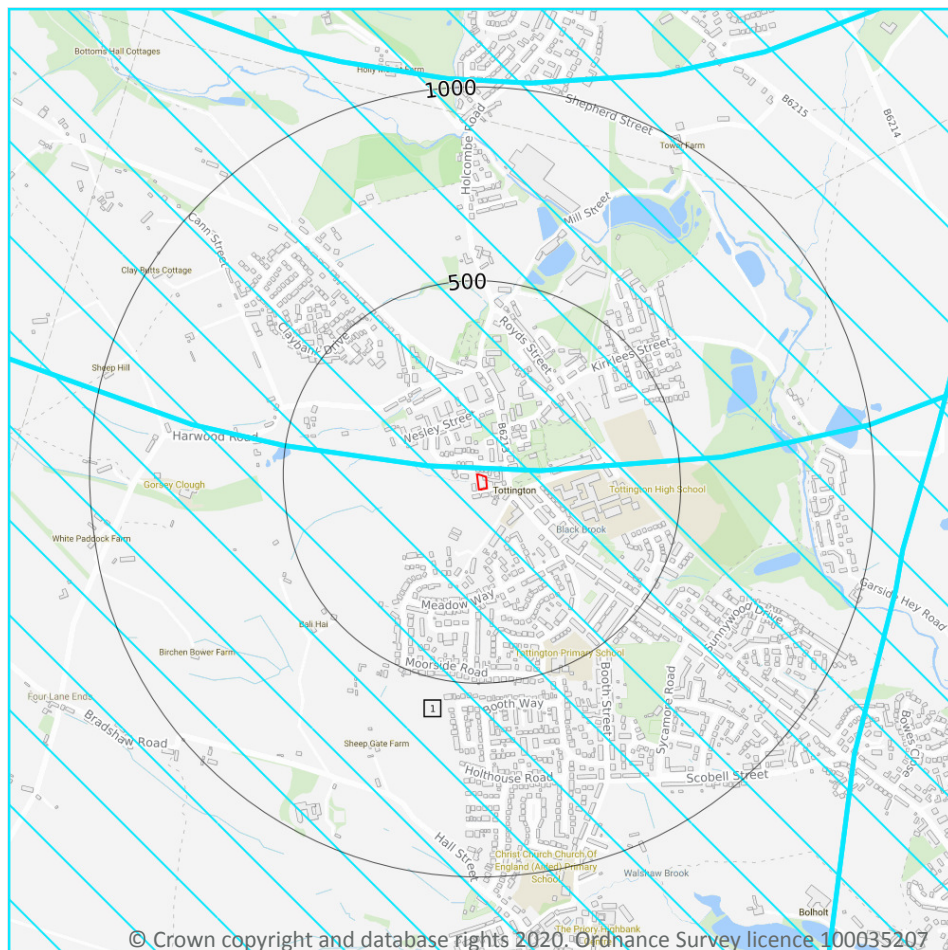
Records within 2000m**0**

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 63**

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

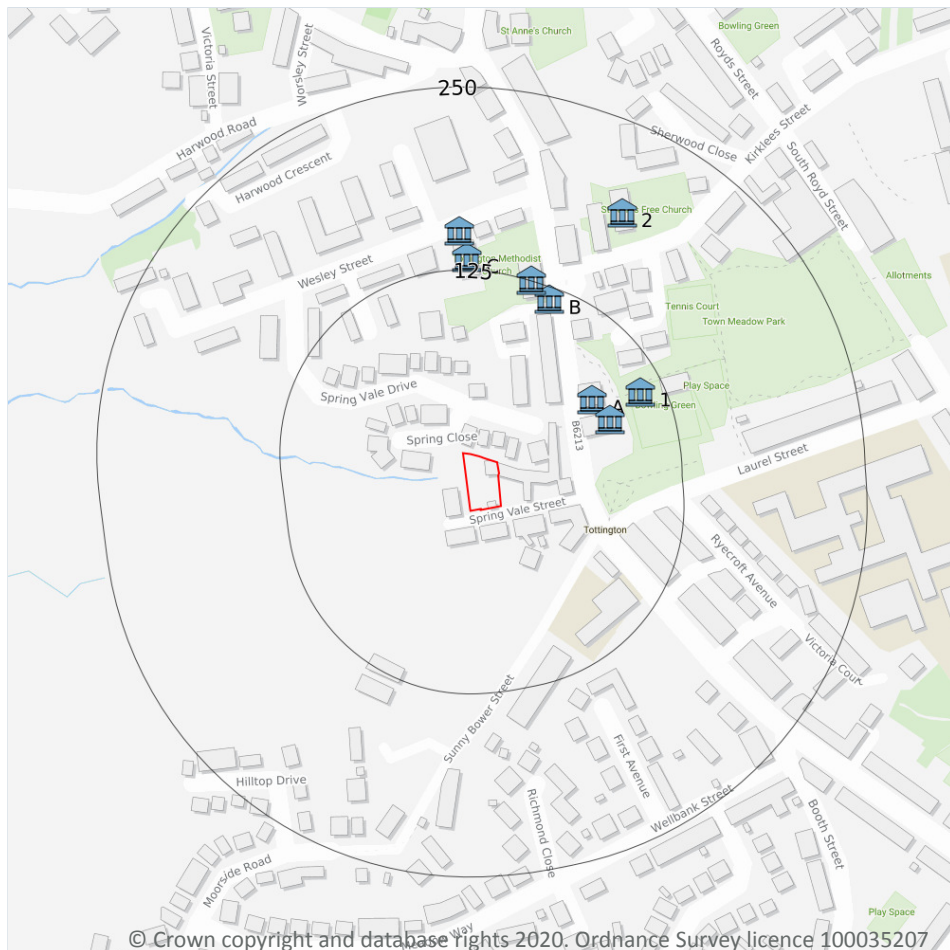
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation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

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



11 Visual and cultural designations



- 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

8

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 65**

ID	Location	Name	Grade	Reference Number	Listed date
A	78m NE	Outbuilding To North Of Tottington Hall, Bury, BL8	II	1067241	06/10/1982
A	83m E	Tottington Hall, Bury, BL8	II	1163648	06/10/1982
1	109m NE	Commemorative Stone, On North Side Of Bowling Green East Of Tottington Hall, Bury, BL8	II	1251208	29/01/1985
B	117m N	Boundary Wall To Spring Street Methodist Church, Bury, BL8	II	1351976	10/12/1998
B	126m N	Tottington Methodist Church, Bury, BL8	II	1351974	10/12/1998

ID	Location	Name	Grade	Reference Number	Listed date
C	133m N	Wesleyan Day And Sunday School, Bury, BL8	II	1351975	10/12/1998
C	152m N	Boundary Wall At Wesleyan Day And Sunday School, Bury, BL8	II	1351977	10/12/1998
2	191m NE	Church Of St John, Bury, BL8	II	1351973	10/12/1998

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

11.5 Conservation Areas

Records within 250m

0

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

This data is sourced from 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 68**

ID	Location	Classification	Description
1	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.



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

1

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.

Features are displayed on the Agricultural designations map on **page 68**

ID	Location	Description	Reference	Application date
2	234m E	Clear Fell (Conditional)	010/176/14-15	20/01/2015

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

1

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

Location	Reference	Scheme	Start Date	End date
17m W	AG00420343	Entry Level plus Higher Level Stewardship	01/12/2012	30/11/2022

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

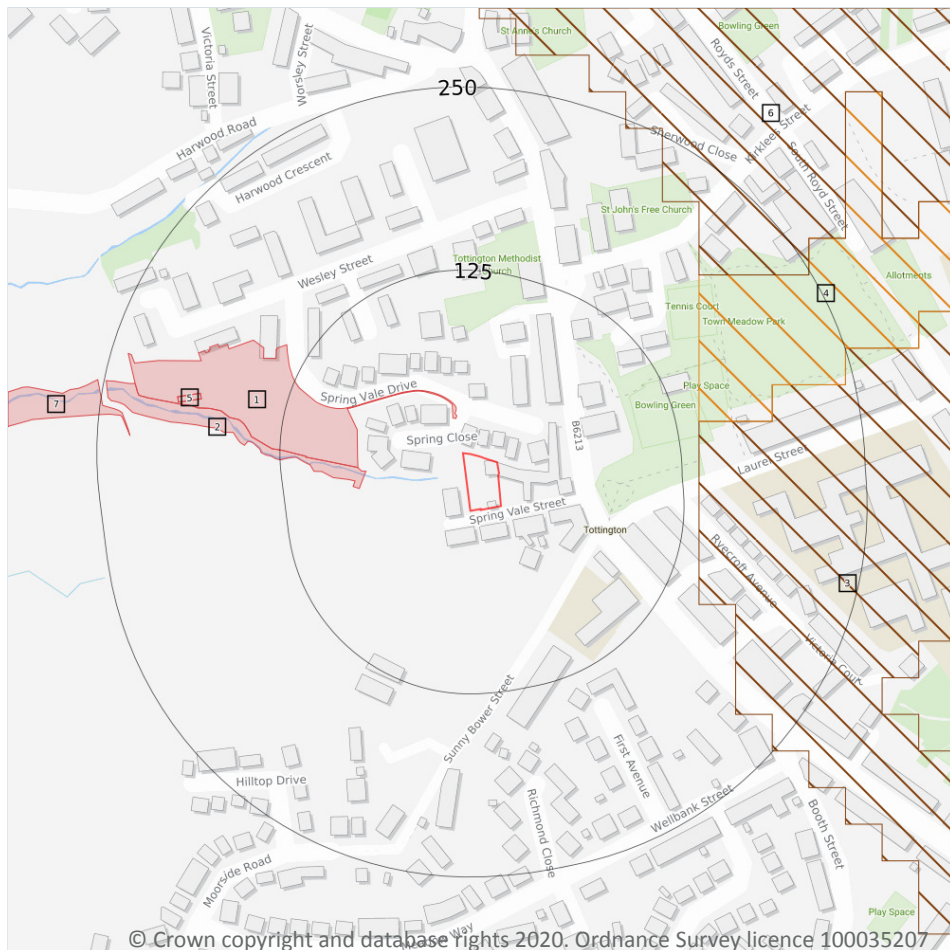
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Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce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

This data is sourced from Natural England.



13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

4

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

Features are displayed on the Habitat designations map on **page 71**

ID	Location	Main Habitat	Other habitats
1	24m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	67m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	182m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	228m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

3

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

Features are displayed on the Habitat designations map on **page 71**

ID	Location	Type	Habitat
3	135m E	Network Enhancement Zone 2	Not specified
4	141m E	Network Enhancement Zone 1	Not specified
6	188m NE	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.

