

APPENDIX 1

GROUNDSURE DATA

CHURCH PLACE, PULBOROUGH, WEST SUSSEX, RH20 1AF

Order Details

Date: 21/09/2021
Your ref: 21_12217_KJC_14183
Our Ref: ALB-8207067
Client: Albury S.I. Ltd

Site Details

Location: 504618 118884
Area: 0.23 ha
Authority: [Horsham District Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	<u>Historical industrial land uses</u>	1	3	10	27	-
16	1.2	<u>Historical tanks</u>	0	0	1	0	-
17	1.3	<u>Historical energy features</u>	0	0	2	6	-
17	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	<u>Historical garages</u>	0	0	6	5	-
18	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
19	2.1	<u>Historical industrial land uses</u>	1	5	12	28	-
21	2.2	<u>Historical tanks</u>	0	0	3	0	-
22	2.3	<u>Historical energy features</u>	0	0	5	13	-
23	2.4	Historical petrol stations	0	0	0	0	-
23	2.5	<u>Historical garages</u>	0	0	8	8	-
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	0	0	0	0	-
25	3.6	Licensed waste sites	0	0	0	0	-
25	3.7	<u>Waste exemptions</u>	0	0	1	20	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
28	4.1	<u>Recent industrial land uses</u>	0	0	9	-	-
29	4.2	<u>Current or recent petrol stations</u>	0	0	1	1	-
30	4.3	Electricity cables	0	0	0	0	-
30	4.4	Gas pipelines	0	0	0	0	-
30	4.5	Sites determined as Contaminated Land	0	0	0	0	-



30	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
30	4.7	Regulated explosive sites	0	0	0	0	-
31	4.8	Hazardous substance storage/usage	0	0	0	0	-
31	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
31	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
31	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	1	2	-
32	4.12	Radioactive Substance Authorisations	0	0	0	0	-
32	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	1	9	-
34	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
34	4.15	Pollutant release to public sewer	0	0	0	0	-
34	4.16	List 1 Dangerous Substances	0	0	0	0	-
34	4.17	List 2 Dangerous Substances	0	0	0	0	-
34	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	6	-
35	4.19	Pollution inventory substances	0	0	0	0	-
36	4.20	Pollution inventory waste transfers	0	0	0	0	-
36	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
37	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
39	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
41	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
42	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
42	5.5	Groundwater vulnerability- local information	None (within 0m)				
43	5.6	<u>Groundwater abstractions</u>	0	0	0	0	11
46	5.7	<u>Surface water abstractions</u>	0	0	0	0	11
48	5.8	<u>Potable abstractions</u>	0	0	0	0	7
50	5.9	<u>Source Protection Zones</u>	0	0	1	0	-
50	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
51	6.1	<u>Water Network (OS MasterMap)</u>	0	0	12	-	-



53	6.2	<u>Surface water features</u>	0	0	4	-	-
53	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
53	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
54	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
55	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
56	7.2	<u>Historical Flood Events</u>	0	0	1	-	-
56	7.3	Flood Defences	0	0	0	-	-
56	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
56	7.5	Flood Storage Areas	0	0	0	-	-
57	7.6	Flood Zone 2	None (within 50m)				
57	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
58	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
60	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
61	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	0	4
62	10.2	<u>Conserved wetland sites (Ramsar sites)</u>	0	0	0	0	1
63	10.3	<u>Special Areas of Conservation (SAC)</u>	0	0	0	0	1
63	10.4	<u>Special Protection Areas (SPA)</u>	0	0	0	0	1
63	10.5	National Nature Reserves (NNR)	0	0	0	0	0
64	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
64	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	9
64	10.8	Biosphere Reserves	0	0	0	0	0
65	10.9	Forest Parks	0	0	0	0	0
65	10.10	Marine Conservation Zones	0	0	0	0	0
65	10.11	Green Belt	0	0	0	0	0
65	10.12	Proposed Ramsar sites	0	0	0	0	0



65	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
66	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
66	10.15	Nitrate Sensitive Areas	0	0	0	0	0
66	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	0	1	0
67	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
68	10.18	<u>SSSI Units</u>	0	0	0	0	6
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
72	11.1	World Heritage Sites	0	0	0	-	-
73	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
73	11.3	National Parks	0	0	0	-	-
73	11.4	<u>Listed Buildings</u>	0	2	18	-	-
74	11.5	<u>Conservation Areas</u>	1	0	0	-	-
75	11.6	Scheduled Ancient Monuments	0	0	0	-	-
75	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
76	12.1	<u>Agricultural Land Classification</u>	Grade 4 (within 250m)				
77	12.2	Open Access Land	0	0	0	-	-
77	12.3	Tree Felling Licences	0	0	0	-	-
77	12.4	Environmental Stewardship Schemes	0	0	0	-	-
78	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
79	13.1	<u>Priority Habitat Inventory</u>	0	0	12	-	-
80	13.2	Habitat Networks	0	0	0	-	-
80	13.3	Open Mosaic Habitat	0	0	0	-	-
80	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
82	14.1	<u>10k Availability</u>	Identified (within 500m)				
83	14.2	<u>Artificial and made ground (10k)</u>	0	0	0	3	-
84	14.3	<u>Superficial geology (10k)</u>	1	0	1	4	-

85	14.4	Landslip (10k)	0	0	0	0	-
86	14.5	<u>Bedrock geology (10k)</u>	1	1	3	5	-
87	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
88	15.1	<u>50k Availability</u>	Identified (within 500m)				
89	15.2	<u>Artificial and made ground (50k)</u>	0	0	0	2	-
90	15.3	Artificial ground permeability (50k)	0	0	-	-	-
91	15.4	<u>Superficial geology (50k)</u>	1	0	1	1	-
92	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
92	15.6	Landslip (50k)	0	0	0	0	-
92	15.7	Landslip permeability (50k)	None (within 50m)				
93	15.8	<u>Bedrock geology (50k)</u>	1	1	3	0	-
94	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
94	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
95	16.1	<u>BGS Boreholes</u>	0	1	13	-	-
Page	Section	Natural ground subsidence					
97	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
98	17.2	<u>Running sands</u>	Very low (within 50m)				
100	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
101	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
102	17.5	<u>Landslides</u>	Very low (within 50m)				
103	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
105	18.1	Natural cavities	0	0	0	0	-
106	18.2	<u>BritPits</u>	0	0	0	1	-
106	18.3	<u>Surface ground workings</u>	1	4	14	-	-
107	18.4	Underground workings	0	0	0	0	0
107	18.5	Historical Mineral Planning Areas	0	0	0	0	-



107	18.6	<u>Non-coal mining</u>	1	0	0	1	0
108	18.7	Mining cavities	0	0	0	0	0
108	18.8	JPB mining areas	None (within 0m)				
108	18.9	Coal mining	None (within 0m)				
108	18.10	Brine areas	None (within 0m)				
109	18.11	Gypsum areas	None (within 0m)				
109	18.12	Tin mining	None (within 0m)				
109	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
110	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
111	20.1	<u>BGS Estimated Background Soil Chemistry</u>	2	1	-	-	-
111	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
111	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
112	21.1	Underground railways (London)	0	0	0	-	-
112	21.2	Underground railways (Non-London)	0	0	0	-	-
113	21.3	Railway tunnels	0	0	0	-	-
113	21.4	<u>Historical railway and tunnel features</u>	0	1	7	-	-
113	21.5	Royal Mail tunnels	0	0	0	-	-
114	21.6	Historical railways	0	0	0	-	-
114	21.7	<u>Railways</u>	0	3	3	-	-
114	21.8	Crossrail 1	0	0	0	0	-
114	21.9	Crossrail 2	0	0	0	0	-
115	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 26/06/2018

Site Area: 0.23ha



Recent site history - 2015 aerial photograph



Capture Date: 30/06/2015

Site Area: 0.23ha



Recent site history - 2012 aerial photograph



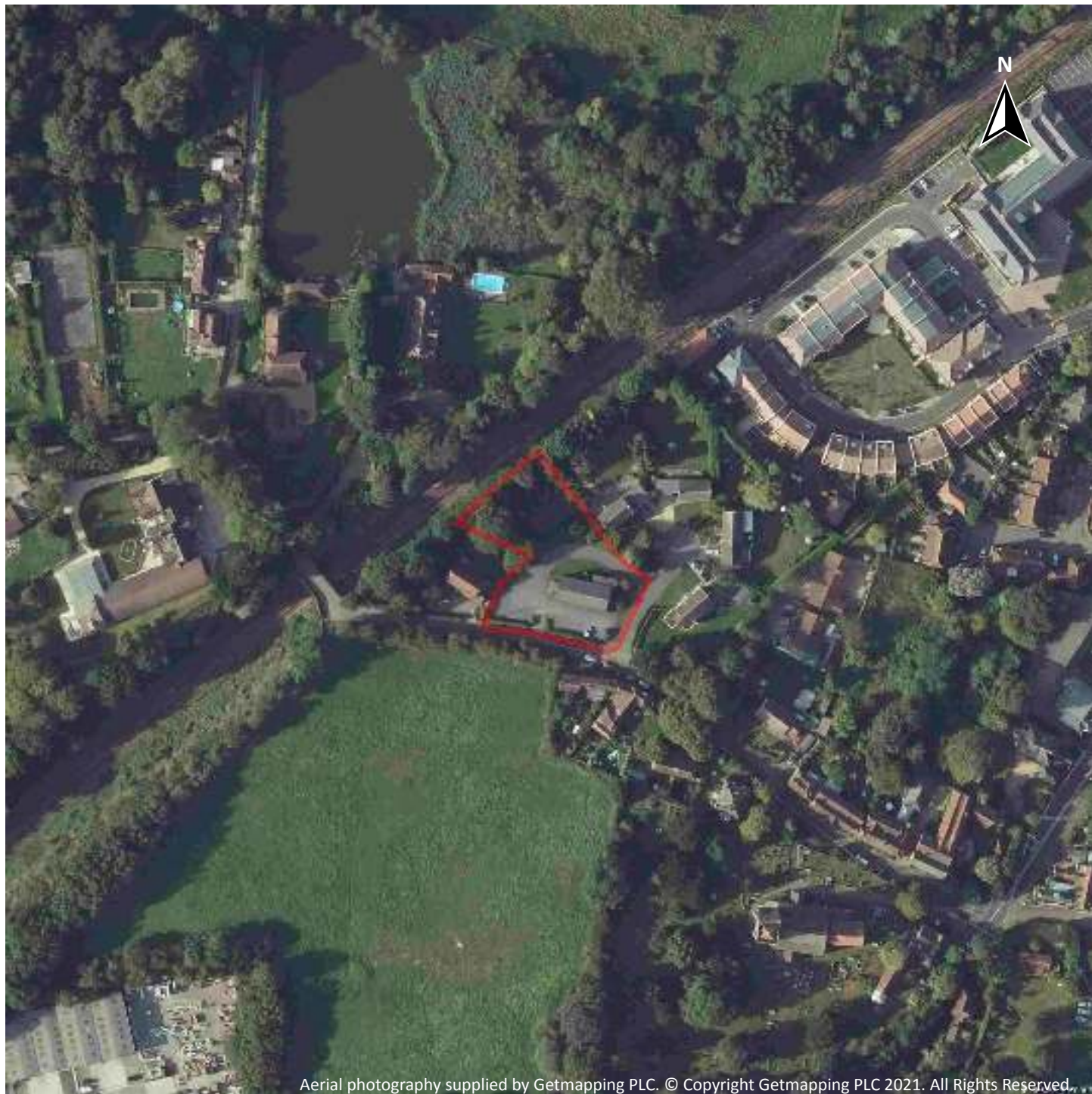
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2021. All Rights Reserved.

Capture Date: 13/09/2012

Site Area: 0.23ha



Recent site history - 2009 aerial photograph



Capture Date: 22/08/2009

Site Area: 0.23ha



Recent site history - 1999 aerial photograph



Capture Date: 06/09/1999

Site Area: 0.23ha



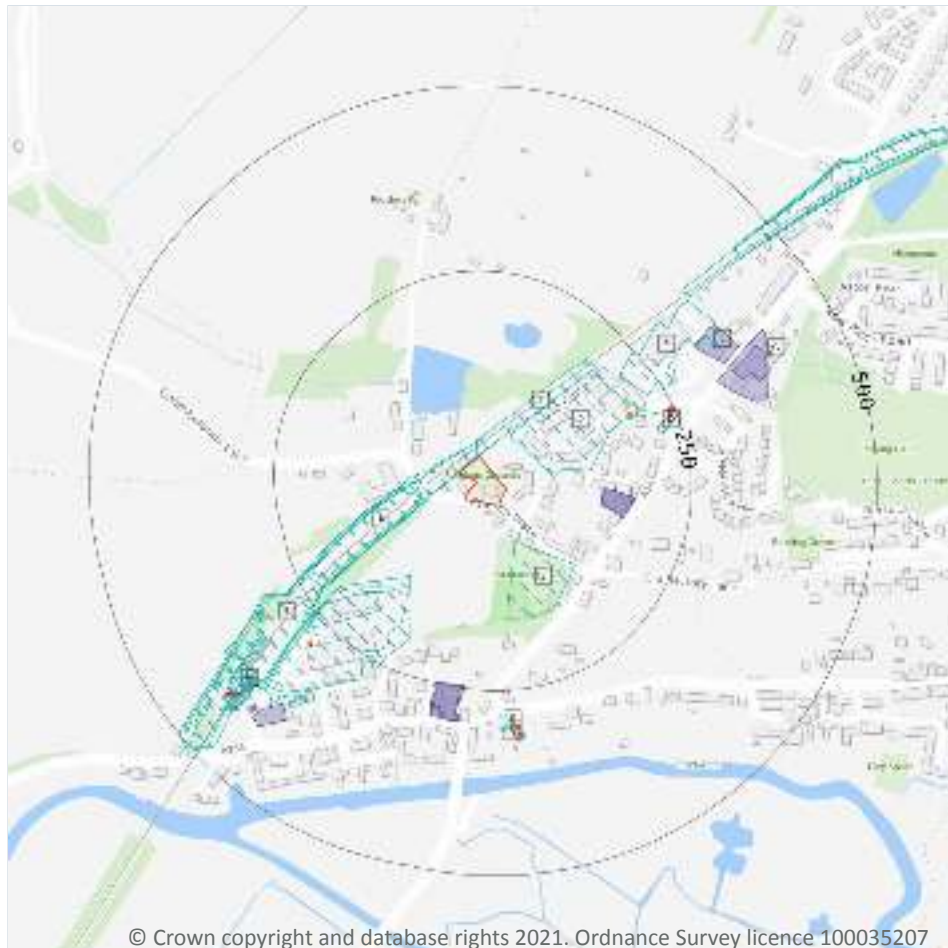
OS MasterMap site plan



Site Area: 0.23ha



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

41

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Cuttings	1895	2284215



ID	Location	Land use	Dates present	Group ID
A	1m NW	Cuttings	1876	2180797
A	2m NW	Cuttings	1896 - 1957	2279201
B	49m SW	Railway Sidings	1876	2262623
2	50m NE	Unspecified Factory	1980	2150908
3	52m SE	Grave Yard	1876	2145515
A	57m W	Cuttings	1980	2209397
B	58m W	Railway Sidings	1896 - 1914	2231410
B	59m SW	Railway Sidings	1957	2193986
B	127m SW	Brick Field	1914	2146578
B	151m SW	Unspecified Pit	1914 - 1957	2217601
B	168m SW	Sand Pit	1896	2131456
4	212m NE	Unspecified Factory	1980	2150909
D	219m E	Police Station	1980	2162598
B	253m SW	Railway Building	1914	2147894
F	281m S	Smithy	1876	2234708
F	298m S	Smithy	1913	2257228
F	307m S	Smithy	1895	2237843
F	307m S	Smithy	1938	2250366
B	310m SW	Railway Building	1957	2234407
B	311m SW	Railway Building	1914	2281228
B	312m SW	Railway Building	1896	2179339
H	323m SW	Railway Station	1980	2193384
H	326m SW	Railway Station	1957	2228946
H	327m SW	Railway Stations	1914	2143253
H	329m SW	Unspecified Tanks	1914	2292154
H	331m SW	Unspecified Tanks	1957	2193623
H	350m SW	Unspecified Tanks	1914	2236279
H	352m SW	Unspecified Tanks	1914	2143578



ID	Location	Land use	Dates present	Group ID
I	354m NE	Cuttings	1876	2284263
H	363m SW	Railway Building	1914	2147895
H	368m SW	Railway Station	1876	2263461
H	376m SW	Railway Buildings	1896	2163303
H	380m SW	Railway Station	1896	2236194
H	389m SW	Railway Building	1980	2147897
H	440m SW	Railway Building	1914	2147896
I	441m NE	Cuttings	1938 - 1957	2197897
I	444m NE	Cuttings	1913	2274065
H	457m SW	Railway Buildings	1896	2163299
I	487m NE	Cuttings	1957 - 1976	2266367
I	488m NE	Cuttings	1895	2245693

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

1

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

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

ID	Location	Land use	Dates present	Group ID
D	187m NE	Tanks	1988 - 1999	384156

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

8

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

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

ID	Location	Land use	Dates present	Group ID
D	239m NE	Electricity Substation	1984 - 1999	273756
D	241m NE	Electricity Substation	1970 - 1988	289180
B	283m SW	Electricity Substation	1984 - 1999	291661
F	290m S	Electricity Substation	1984	289601
F	299m S	Electricity Substation	1993 - 1999	286999
F	309m S	Electricity Substation	1970 - 1988	269037
G	395m NE	Electricity Substation	1972 - 1993	272473
G	396m NE	Electricity Substation	1993	258358

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

11

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 14**

ID	Location	Land use	Dates present	Group ID
C	128m E	Garage	1993 - 1999	84520
C	129m E	Garage	1984	74680
C	130m E	Garage	1970	79085
E	245m S	Garage	1984 - 1988	80746
E	246m S	Garage	1993	75986
E	247m S	Garage	1970	74373
S	318m NE	Garage	1972 - 1993	84495
G	318m NE	Garage	1993	79633
G	344m NE	Garage	1972	75682
H	370m SW	Garage	1970	73030
H	378m SW	Garage	1988 - 1999	82681

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

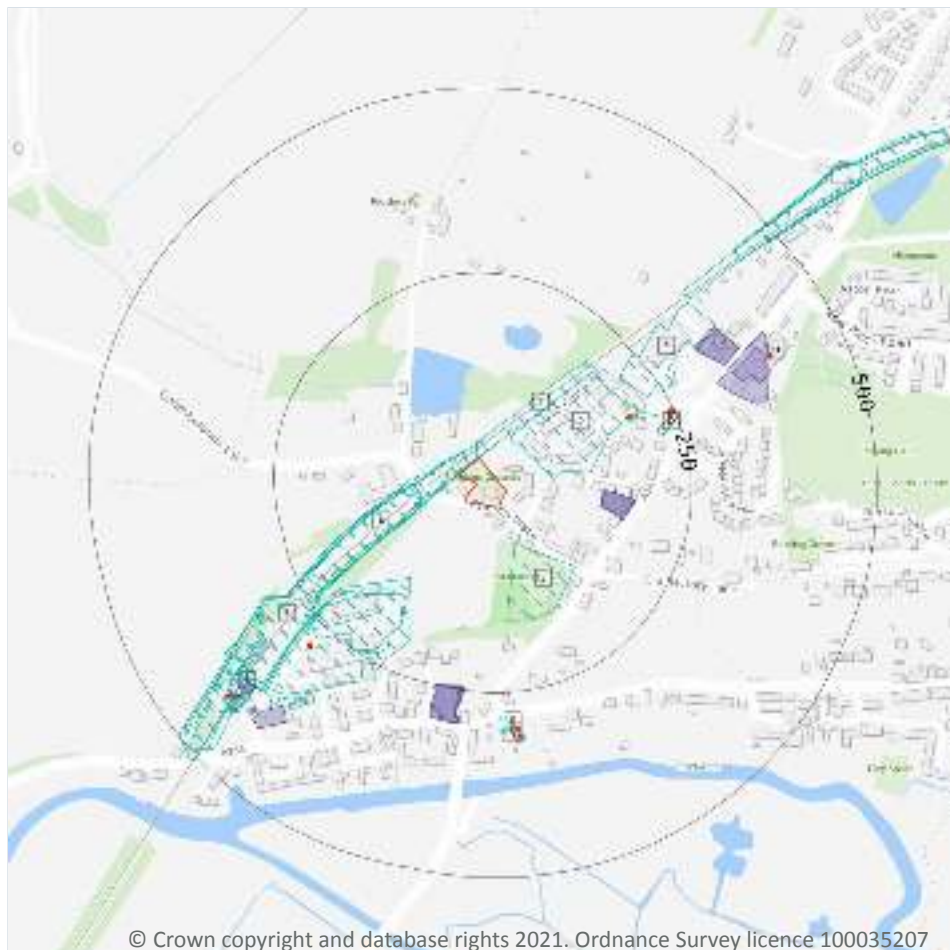
0

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

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2.1 Historical industrial land uses

Records within 500m

46

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 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 19**

ID	Location	Land Use	Date	Group ID
1	On site	Cuttings	1895	2284215
A	1m NW	Cuttings	1876	2180797
A	2m NW	Cuttings	1914	2279201

ID	Location	Land Use	Date	Group ID
A	2m NW	Cuttings	1896	2279201
A	6m NW	Cuttings	1957	2279201
B	49m SW	Railway Sidings	1876	2262623
2	50m NE	Unspecified Factory	1980	2150908
3	52m SE	Grave Yard	1876	2145515
A	57m W	Cuttings	1980	2209397
B	58m W	Railway Sidings	1914	2231410
B	58m SW	Railway Sidings	1896	2231410
B	59m SW	Railway Sidings	1957	2193986
B	127m SW	Brick Field	1914	2146578
B	151m SW	Unspecified Pit	1957	2217601
B	152m SW	Unspecified Pit	1914	2217601
B	168m SW	Sand Pit	1896	2131456
4	212m NE	Unspecified Factory	1980	2150909
D	219m E	Police Station	1980	2162598
B	253m SW	Railway Building	1914	2147894
F	281m S	Smithy	1876	2234708
F	298m S	Smithy	1913	2257228
F	307m S	Smithy	1938	2250366
F	307m S	Smithy	1895	2237843
B	310m SW	Railway Building	1957	2234407
B	311m SW	Railway Building	1914	2281228
B	312m SW	Railway Building	1896	2179339
I	323m SW	Railway Station	1980	2193384
I	326m SW	Railway Station	1957	2228946
I	327m SW	Railway Stations	1914	2143253
I	329m SW	Unspecified Tanks	1914	2292154
I	331m SW	Unspecified Tanks	1957	2193623



ID	Location	Land Use	Date	Group ID
I	350m SW	Unspecified Tanks	1914	2236279
I	352m SW	Unspecified Tanks	1914	2143578
J	354m NE	Cuttings	1876	2284263
I	363m SW	Railway Building	1914	2147895
I	368m SW	Railway Station	1876	2263461
I	376m SW	Railway Buildings	1896	2163303
I	380m SW	Railway Station	1896	2236194
I	389m SW	Railway Building	1980	2147897
I	440m SW	Railway Building	1914	2147896
J	441m NE	Cuttings	1938	2197897
J	444m NE	Cuttings	1913	2274065
I	457m SW	Railway Buildings	1896	2163299
J	487m NE	Cuttings	1976	2266367
J	487m NE	Cuttings	1957	2266367
J	488m NE	Cuttings	1895	2245693

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

3

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 19**

ID	Location	Land Use	Date	Group ID
D	187m NE	Tanks	1999	384156
D	187m NE	Tanks	1993	384156
D	188m NE	Tanks	1988	384156

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

18

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 19**

ID	Location	Land Use	Date	Group ID
D	239m NE	Electricity Substation	1984	273756
D	239m NE	Electricity Substation	1999	273756
D	239m NE	Electricity Substation	1993	273756
D	241m NE	Electricity Substation	1988	289180
D	241m NE	Electricity Substation	1970	289180
B	283m SW	Electricity Substation	1999	291661
B	283m SW	Electricity Substation	1993	291661
B	283m SW	Electricity Substation	1988	291661
B	285m SW	Electricity Substation	1984	291661
F	290m S	Electricity Substation	1984	289601
F	299m S	Electricity Substation	1999	286999
F	299m S	Electricity Substation	1993	286999
F	309m S	Electricity Substation	1988	269037
F	309m S	Electricity Substation	1970	269037
H	395m NE	Electricity Substation	1972	272473
H	396m NE	Electricity Substation	1993	258358
H	396m NE	Electricity Substation	1984	272473
H	396m NE	Electricity Substation	1993	272473

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

16

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'.

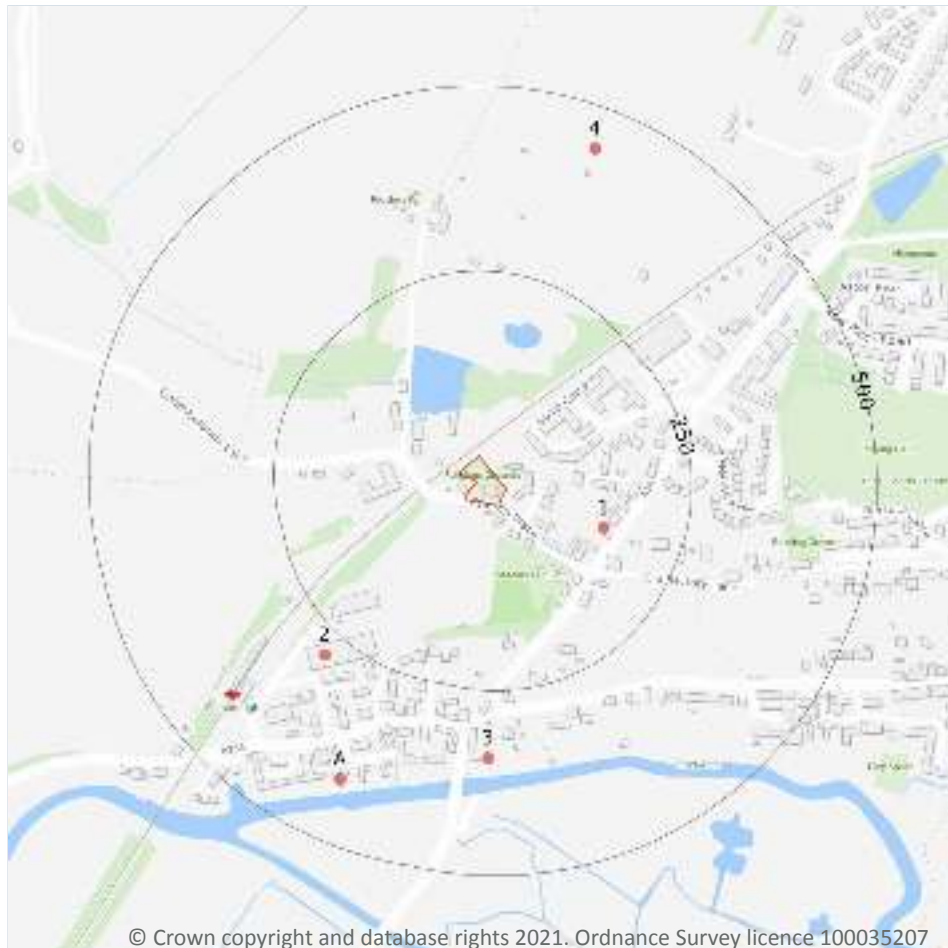
Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
C	128m E	Garage	1999	84520
C	128m E	Garage	1993	84520
C	129m E	Garage	1984	74680
C	130m E	Garage	1970	79085
E	245m S	Garage	1988	80746
E	246m S	Garage	1993	75986
E	247m S	Garage	1970	74373
E	248m S	Garage	1984	80746
G	318m NE	Garage	1993	84495
G	318m NE	Garage	1972	84495
H	318m NE	Garage	1993	79633
H	344m NE	Garage	1972	75682
I	370m SW	Garage	1970	73030
I	378m SW	Garage	1988	82681
I	379m SW	Garage	1999	82681
I	379m SW	Garage	1993	82681

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

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

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

3.5 Historical waste sites

Records within 500m**0**

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

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

3.6 Licensed waste sites

Records within 500m**0**

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

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

3.7 Waste exemptions

Records within 500m**21**

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	142m SE	-	WEX261513	Using waste exemption	Not on a farm	Use of waste for a specified purpose



ID	Location	Site	Reference	Category	Sub-Category	Description
2	284m SW	WF Senate Station Approach Industrial Estate PULBOROUGH West Sussex RH20 1AQ	EPR/XF0734YX /A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
3	341m S	VolkerStevin Site Compound, (off A29) EA Embankment, Hardham Banks, Pulborough, RH202BJ	WEX255078	Using waste exemption	Not on a farm	Use of waste in construction
A	415m SW	VolkerStevin Compound, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	415m SW	VolkerStevin Compound, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	415m SW	VolkerStevin Compound, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	415m SW	VolkerStevin Compound, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
A	415m SW	VolkerStevin Compound, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Treating waste exemption	Not on a farm	Recovery of waste at a waste water treatment works
A	415m SW	VolkerStevin Compound, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Treating waste exemption	Not on a farm	Treatment of waste at a water treatment works
A	415m SW	VolkerStevin Compound, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
A	415m SW	VolkerStevin Compound, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

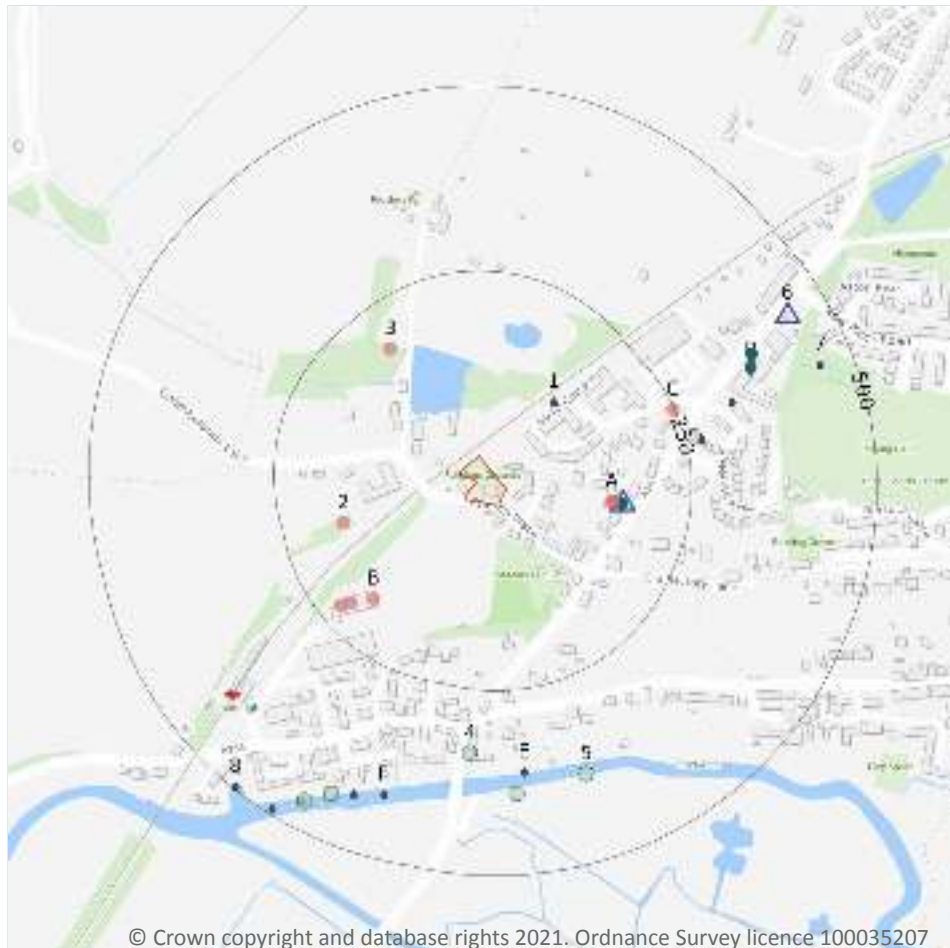


ID	Location	Site	Reference	Category	Sub-Category	Description
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Treating waste exemption	Not on a farm	Screening and blending of waste
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Using waste exemption	Not on a farm	Use of mulch
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Using waste exemption	Not on a farm	Spreading waste on non-agricultural land to confer benefit
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Using waste exemption	Not on a farm	Use of waste for a specified purpose
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Using waste exemption	Not on a farm	Use of waste derived biodiesel as fuel
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Using waste exemption	Not on a farm	Use of baled end-of-life tyres in construction
A	415m SW	VolkerStevin Compond, River Stor Project, Alan Bennet Farm, Pulborough, RH20 1AL	WEX254506	Using waste exemption	Not on a farm	Use of waste in construction
4	442m N	Affinity Water Ltd Springwell Lane Rickmansworth Hertfordshire WD3 8UX	EPR/DE5749G X/A001	Disposing of waste exemption	Non-Agricultural Waste Only	Burning waste in the open

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

9

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Company	Address	Activity	Category
A	143m E	Texaco	5, London Road, Pulborough, West Sussex, RH20 1AP	Petrol and Fuel Stations	Road and Rail
A	143m E	Elite Garages Pulborough	5, London Road, Pulborough, West Sussex, RH20 1AP	Vehicle Cleaning Services	Personal, Consumer and Other Services



ID	Location	Company	Address	Activity	Category
A	143m E	Elite Garages	5, London Road, Pulborough, West Sussex, RH20 1AP	Vehicle Repair, Testing and Servicing	Repair and Servicing
2	168m W	Mast	West Sussex, RH20	Telecommunications Features	Infrastructure and Facilities
B	183m SW	P M A Motor Factors	Unit 12, Station Approach Industrial Estate, Pulborough, West Sussex, RH20 1AQ	Vehicle Parts and Accessories	Motoring
3	188m NW	Pump House	West Sussex, RH20	Water Pumping Stations	Industrial Features
B	209m SW	Quantum Racing Services Ltd	Unit 9, Station Approach Industrial Estate, Pulborough, West Sussex, RH20 1AQ	Vehicle Components	Industrial Products
B	220m SW	L M C Auto Services	Unit 8, Station Approach Industrial Estate, Pulborough, West Sussex, RH20 1AQ	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	248m NE	Electricity Sub Station	West Sussex, RH20	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	2
----------------------------	----------

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Company	Address	LPG	Status
A	156m E	TEXACO	5, London Road, Pulborough, West Sussex, RH20 1AP	No	Open
6	446m NE	BP	London Road, Pulborough, West Sussex, RH20 1AR	Not Applicable	Obsolete

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Address	Details	
A	156m E	Elite Garages Ltd, 5 London Road, Pulborough, West Sussex, RH20 1AP	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	365m NE	Harwoods Garages Ltd, London Road, Pulborough, West Sussex, RH20 1AS	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
D	375m NE	Tesco Stores Ltd, London Road, Pulborough, West Sussex, RH20 1AS	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

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

10

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 28**

ID	Location	Address	Details	
1	124m NE	OLD PLACE POND, PULBOROUGH, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S02128 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 15/11/1972 Effective Date: 15/11/1972 Revocation Date: 30/05/1997
C	271m E	HARWOODS GARAGE, LONDON ROAD, PULBOROUGH, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01779 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/08/1988 Effective Date: 01/08/1988 Revocation Date: 31/03/1997
D	325m E	HARWOODS GARAGE, LONDON ROAD, PULBOROUGH, WEST SUSSEX, RH20 1AP	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P01673 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 08/06/1988 Effective Date: 08/06/1988 Revocation Date: -



ID	Location	Address	Details	
E	360m S	PULBOROUGH P.S. NO.2	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: W00466 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: SURRENDERED UNDER EPR 2010 Issue date: 02/05/1978 Effective Date: 02/05/1978 Revocation Date: 31/03/2018
F	412m S	RESIDENTIAL DEVELOPMENT, AT STATION ROAD, PULBOROUGH, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S01972 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 11/12/1970 Effective Date: 11/12/1970 Revocation Date: 31/03/1997
F	424m S	RESIDENTIAL DEVELOPMENT, AT STATION ROAD, PULBOROUGH, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S01972 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 11/12/1970 Effective Date: 11/12/1970 Revocation Date: 31/03/1997
7	455m E	RESIDENTIAL DEVELOPMENT, NEW PLACE HEATHFLD EST., LONDON ROAD , PULBOROUGH WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S02004 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 10/06/1971 Effective Date: 10/06/1971 Revocation Date: 01/07/1991
F	463m SW	CAR PARK AT STATION ROAD	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S01684 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 14/02/1968 Effective Date: 14/02/1968 Revocation Date: 31/03/1997
F	492m SW	PULBOROUGH T.E.C., PULBOROUGH, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S01842 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 17/06/1969 Effective Date: 17/06/1969 Revocation Date: 20/05/1997
8	496m SW	SITE AT PULBOROUGH RAILWAY, PULBOROUGH RAILWAY, STATION & COBBETTS, STATION ROAD, PULBOROUGH, WEST SUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01549 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 26/09/1979 Effective Date: 26/09/1979 Revocation Date: 11/11/1992

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**6**

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

Features are displayed on the Current industrial land use map on **page 28**

ID	Location	Details	
C	261m E	Incident Date: 12/08/2011 Incident Identification: 912997 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4	335m S	Incident Date: 01/09/2003 Incident Identification: 186389 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5	381m S	Incident Date: 24/11/2001 Incident Identification: 44709 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	389m S	Incident Date: 20/03/2003 Incident Identification: 144498 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)
F	436m SW	Incident Date: 25/03/2003 Incident Identification: 145763 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
F	460m SW	Incident Date: 08/06/2002 Incident Identification: 83609 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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



4.20 Pollution inventory waste transfers

Records within 500m**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

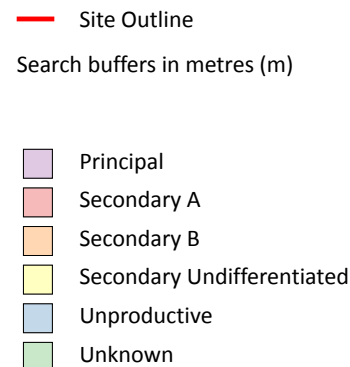
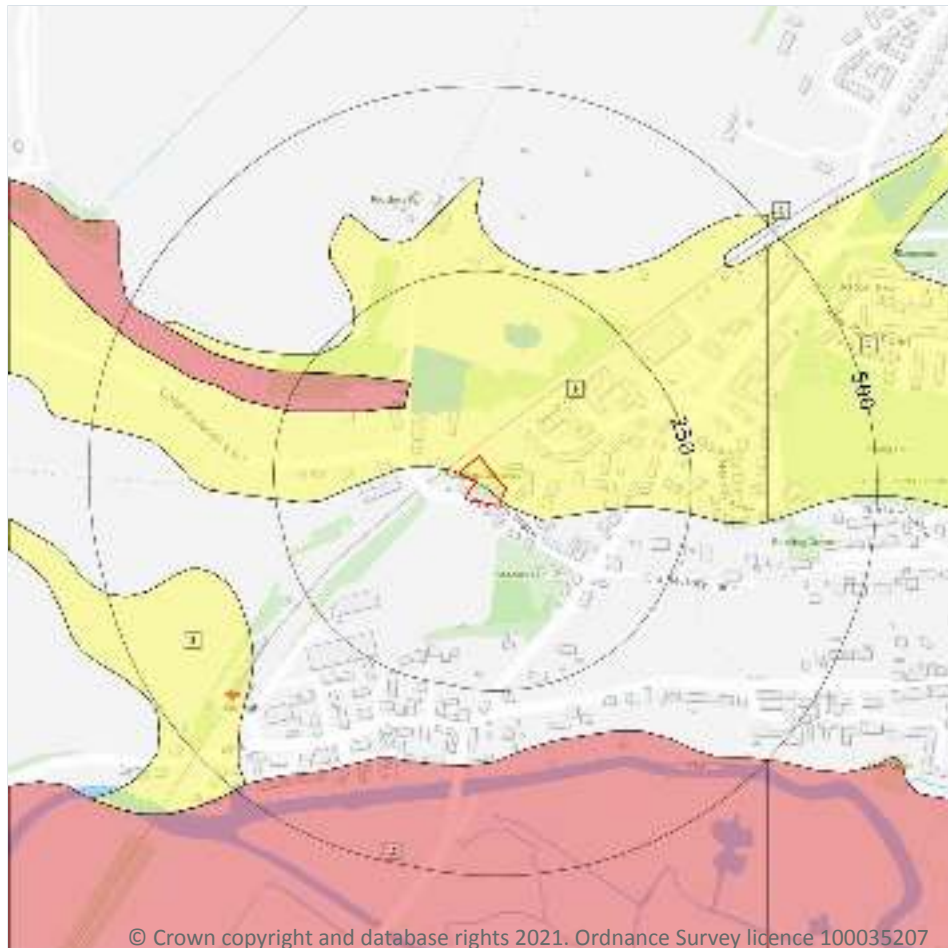
Records within 500m**0**

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



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5.1 Superficial aquifer

Records within 500m

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 37**

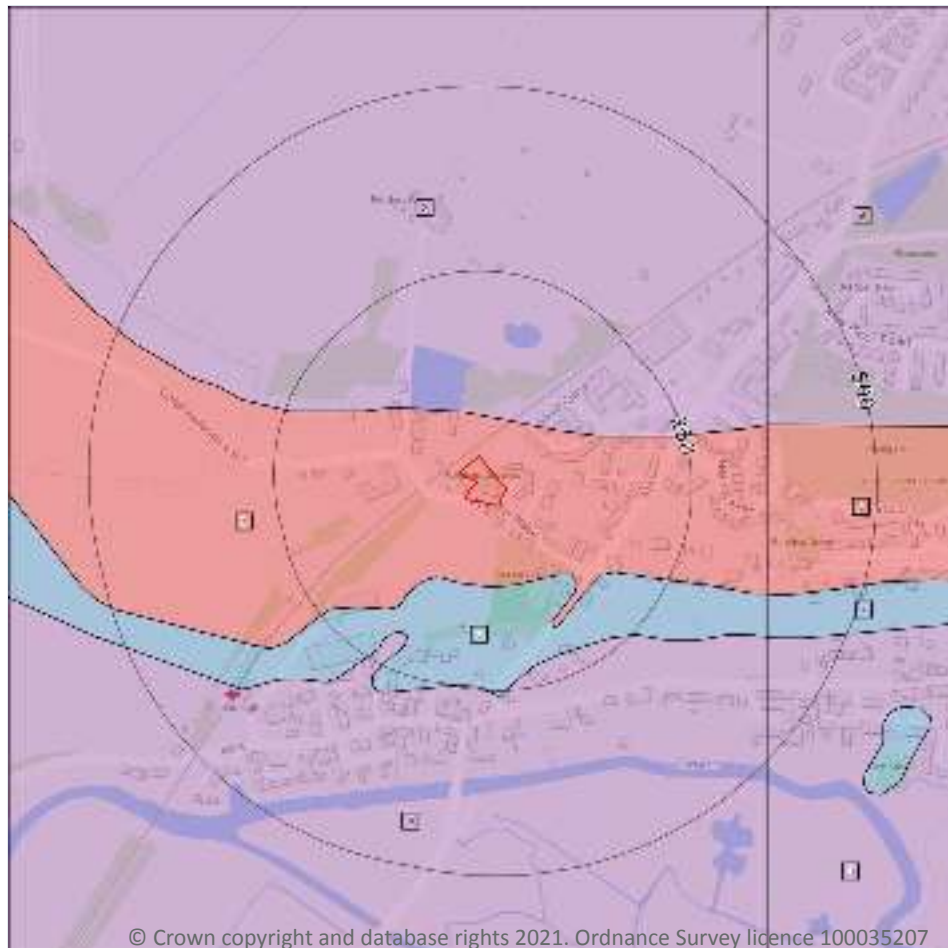
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	115m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	335m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	353m E	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
5	499m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

8

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 39**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	55m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

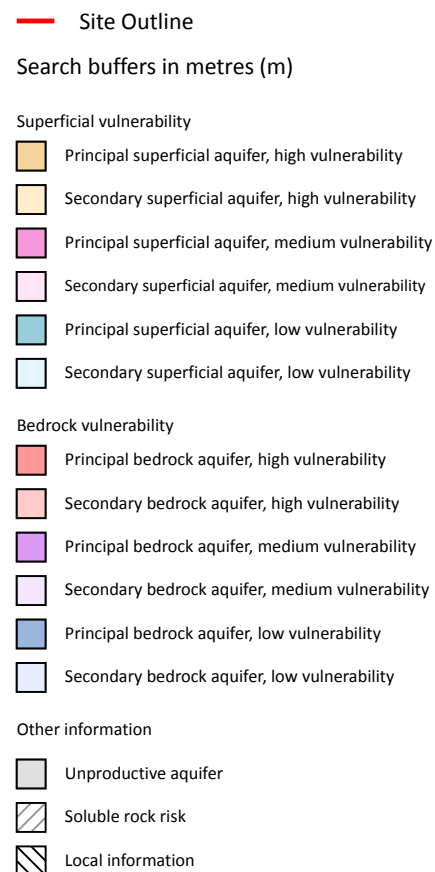
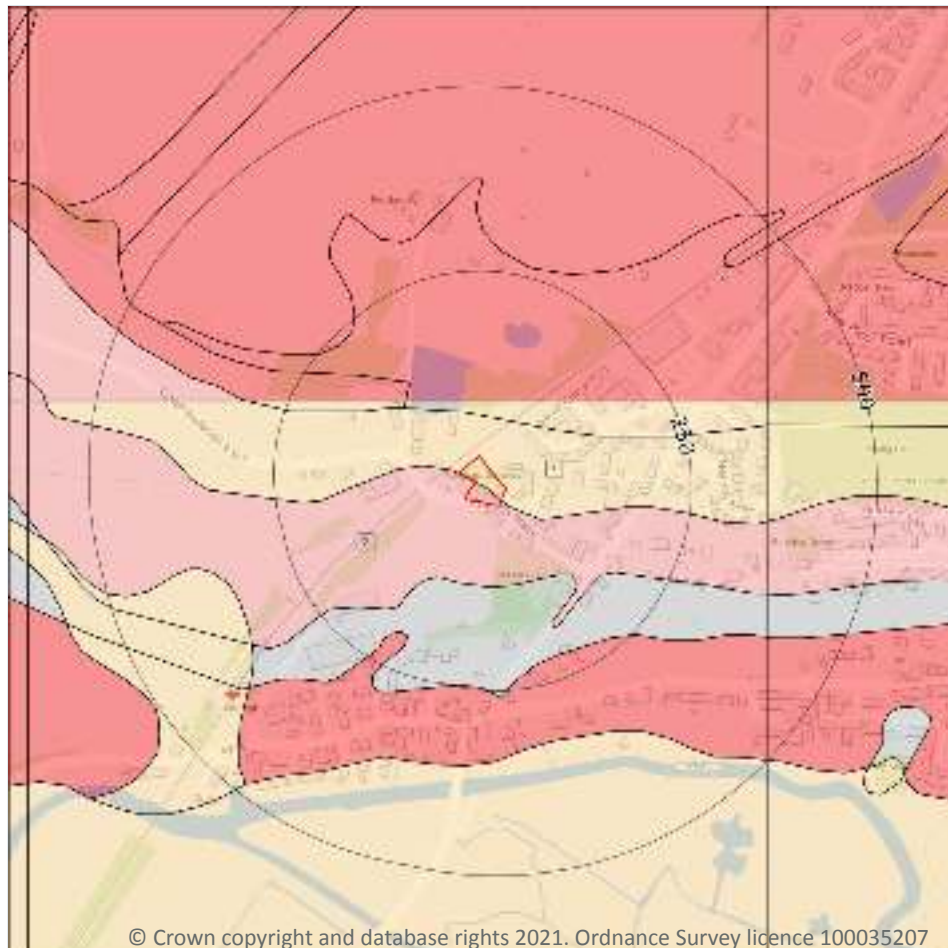


ID	Location	Designation	Description
3	109m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	199m SW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
5	353m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	363m E	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
7	382m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
8	405m SE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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

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

Features are displayed on the Groundwater vulnerability map on **page 41**

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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

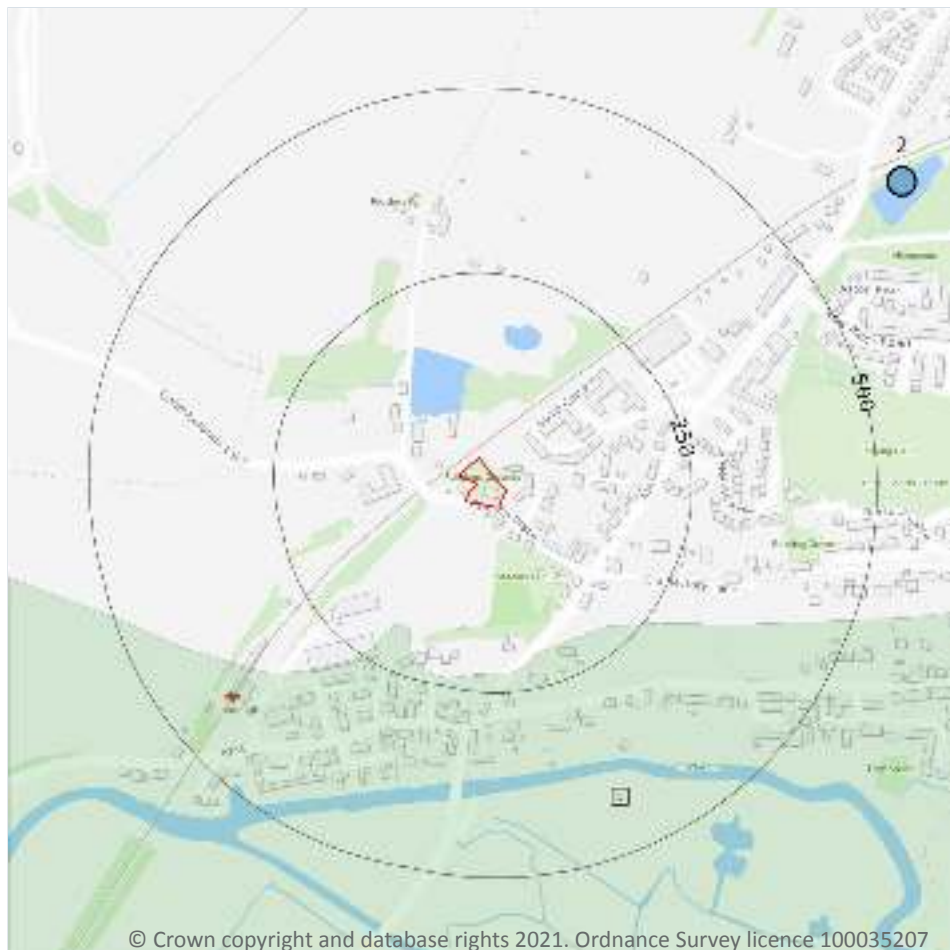
0

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

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



Abstractions and Source Protection Zones



- 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
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

11

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 43**

ID	Location	Details	
-	1643m S	Status: Historical Licence No: 10/41/431002 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 5 Data Type: Point Name: Southern Water Services Plc Easting: 504130 Northing: 117290	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36364 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1643m S	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 5 Data Type: Point Name: Southern Water Services Ltd Easting: 504130 Northing: 117290	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1669m SW	Status: Historical Licence No: 10/41/431002 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: HARDHAM PS POINTS 12 Data Type: Point Name: Southern Water Services Plc Easting: 503360 Northing: 117740	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36364 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1669m SW	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINTS 12 Data Type: Point Name: Southern Water Services Ltd Easting: 503360 Northing: 117740	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1677m SW	Status: Historical Licence No: 10/41/431002 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: HARDHAM PS POINTS 1,2 & 3 Data Type: Point Name: Southern Water Services Plc Easting: 503340 Northing: 117750	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36364 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -



ID	Location	Details	
-	1677m SW	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINTS 1,2 & 3 Data Type: Point Name: Southern Water Services Ltd Easting: 503340 Northing: 117750	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1813m SW	Status: Historical Licence No: 10/41/431002 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 11 Data Type: Point Name: Southern Water Services Plc Easting: 503220 Northing: 117680	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1813m SW	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 11 Data Type: Point Name: Southern Water Services Ltd Easting: 503220 Northing: 117680	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1815m NE	Status: Historical Licence No: 10/41/421005 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: WELL AT BOROUGH FARM, PULBOROUGH Data Type: Point Name: Christodoulou Easting: 506190 Northing: 119840	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 11/02/1991 Version End Date: -
-	1820m SW	Status: Historical Licence No: 10/41/431002 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 4 Data Type: Point Name: Southern Water Services Plc Easting: 503220 Northing: 117670	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -

ID	Location	Details	
-	1820m SW	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 4 Data Type: Point Name: Southern Water Services Ltd Easting: 503220 Northing: 117670	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 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 43**

ID	Location	Details	
2	676m NE	Status: Active Licence No: 10/41/421004 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: NEW PLACE FARM RESERVOIR AT PULBOROUGH Data Type: Point Name: New Place Nurseries Ltd Easting: 505180 Northing: 119300	Annual Volume (m ³): 20,457 Max Daily Volume (m ³): 709.18 Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/06/2009 Version End Date: -
-	877m NW	Status: Active Licence No: 25/087 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: TRIB OF ARUN AT COOMBELANDS FARM (POINT P) Data Type: Point Name: Harwood Esq Easting: 503800 Northing: 119300	Annual Volume (m ³): 40,914 Max Daily Volume (m ³): 946 Original Application No: - Original Start Date: 25/02/1994 Expiry Date: - Issue No: 100 Version Start Date: 16/06/2009 Version End Date: -



ID	Location	Details	
-	1034m SW	Status: Active Licence No: 25/087 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: TRIB OF ARUN AT COOMBELANDS FARM (POINT C - D) Data Type: Line Name: Harwood Esq Easting: 503700 Northing: 118100	Annual Volume (m ³): 40,914 Max Daily Volume (m ³): 946 Original Application No: - Original Start Date: 25/02/1994 Expiry Date: - Issue No: 100 Version Start Date: 16/06/2009 Version End Date: -
-	1119m W	Status: Active Licence No: 10/41/431008 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: MANOR FARM STOPHAM POINT C. Data Type: Point Name: Gadd Easting: 503490 Northing: 119150	Annual Volume (m ³): 45,460 Max Daily Volume (m ³): 909 Original Application No: - Original Start Date: 18/04/1977 Expiry Date: - Issue No: 101 Version Start Date: 09/06/2009 Version End Date: -
-	1186m W	Status: Active Licence No: 25/087 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: TRIB OF ARUN AT COOMBELANDS FARM (POINT A-B) Data Type: Line Name: Harwood Esq Easting: 503300 Northing: 120800	Annual Volume (m ³): 40,914 Max Daily Volume (m ³): 946 Original Application No: - Original Start Date: 25/02/1994 Expiry Date: - Issue No: 100 Version Start Date: 16/06/2009 Version End Date: -
-	1531m SW	Status: Historical Licence No: 10/41/431001 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Surface Waters Point: POINT B HARDHAM PS SURFACE SOURCE Data Type: Point Name: Southern Water Services Plc Easting: 503420 Northing: 117880	Annual Volume (m ³): 16,500,000 Max Daily Volume (m ³): 75000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 19/03/2001 Version End Date: -
-	1531m SW	Status: Active Licence No: 10/41/431001 Details: Potable Water Supply - Direct Direct Source: Southern Region Surface Waters Point: POINT B HARDHAM PS SURFACE SOURCE Data Type: Point Name: Southern Water Services Ltd Easting: 503420 Northing: 117880	Annual Volume (m ³): 27,375,000 Max Daily Volume (m ³): 75,000 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 19/03/2001 Version End Date: -



ID	Location	Details	
-	1717m SW	Status: Historical Licence No: 10/41/431001 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Surface Waters Point: POINT A HARDHAM PS SURFACE SOURCE Data Type: Point Name: Southern Water Services Plc Easting: 503270 Northing: 117770	Annual Volume (m ³): 16,500,000 Max Daily Volume (m ³): 75000 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1717m SW	Status: Active Licence No: 10/41/431001 Details: Potable Water Supply - Direct Direct Source: Southern Region Surface Waters Point: POINT A HARDHAM PS SURFACE SOURCE Data Type: Point Name: Southern Water Services Ltd Easting: 503270 Northing: 117770	Annual Volume (m ³): 27,375,000 Max Daily Volume (m ³): 75,000 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 19/03/2001 Version End Date: -
-	1753m SE	Status: Active Licence No: 10/41/415405 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: TRIB OF STOR AT PULBOROUGH Data Type: Line Name: Alan Barrett Farms Easting: 506090 Northing: 117880	Annual Volume (m ³): 2,864 Max Daily Volume (m ³): 182 Original Application No: - Original Start Date: 16/06/1988 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1789m S	Status: Active Licence No: 10/41/415011 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: REACH AT CHURCH FARM, HARDHAM Data Type: Line Name: Tedbury Easting: 504690 Northing: 117070	Annual Volume (m ³): 50,006 Max Daily Volume (m ³): 1,200.10 Original Application No: - Original Start Date: 30/07/1979 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2016 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

7

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



Features are displayed on the Abstractions and Source Protection Zones map on **page 43**

ID	Location	Details	
-	1531m SW	Status: Active Licence No: 10/41/431001 Details: Potable Water Supply - Direct Direct Source: Southern Region Surface Waters Point: POINT B HARDHAM PS SURFACE SOURCE Data Type: Point Name: Southern Water Services Ltd Easting: 503420 Northing: 117880	Annual Volume (m ³): 27,375,000 Max Daily Volume (m ³): 75,000 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 19/03/2001 Version End Date: -
-	1643m S	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 5 Data Type: Point Name: Southern Water Services Ltd Easting: 504130 Northing: 117290	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1669m SW	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINTS 12 Data Type: Point Name: Southern Water Services Ltd Easting: 503360 Northing: 117740	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1677m SW	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINTS 1,2 & 3 Data Type: Point Name: Southern Water Services Ltd Easting: 503340 Northing: 117750	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1717m SW	Status: Active Licence No: 10/41/431001 Details: Potable Water Supply - Direct Direct Source: Southern Region Surface Waters Point: POINT A HARDHAM PS SURFACE SOURCE Data Type: Point Name: Southern Water Services Ltd Easting: 503270 Northing: 117770	Annual Volume (m ³): 27,375,000 Max Daily Volume (m ³): 75,000 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 19/03/2001 Version End Date: -

ID	Location	Details	
-	1813m SW	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 11 Data Type: Point Name: Southern Water Services Ltd Easting: 503220 Northing: 117680	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -
-	1820m SW	Status: Active Licence No: 10/41/431002 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: HARDHAM PS POINT 4 Data Type: Point Name: Southern Water Services Ltd Easting: 503220 Northing: 117670	Annual Volume (m ³): 13,272,568 Max Daily Volume (m ³): 36,364 Original Application No: - Original Start Date: 19/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/10/2000 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	1
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on **page 43**

ID	Location	Type	Description
1	188m SW	3	Total catchment

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
----------------------------	----------

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

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

6 Hydrology



- 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

12

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

Features are displayed on the Hydrology map on **page 51**

ID	Location	Type of water feature	Ground level	Permanence	Name
4	60m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	69m N	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	73m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	76m N	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	79m N	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	99m NE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
B	129m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	143m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	155m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	156m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	182m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	195m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

4

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

Features are displayed on the Hydrology map on **page 51**

This data is sourced from the Ordnance Survey.

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 51**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River WB catchment	Arun downstream Pallingham Weir	GB107041013350	Upper Arun	Arun and Western Streams

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 51**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1088m W	River	Arun downstream Pallingham Weir	GB107041013350	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 51**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Lower Greensand Arun & Western Streams	<u>GB40701G503100</u>	Poor	Poor	Good	2015

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



7 River and coastal flooding



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

7.1 Risk of Flooding from Rivers and 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

1

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

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

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	85m NW	Pulborough 1981	1981-06-01 1981-06-01	Ordinary watercourse	Other	Fluvial

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

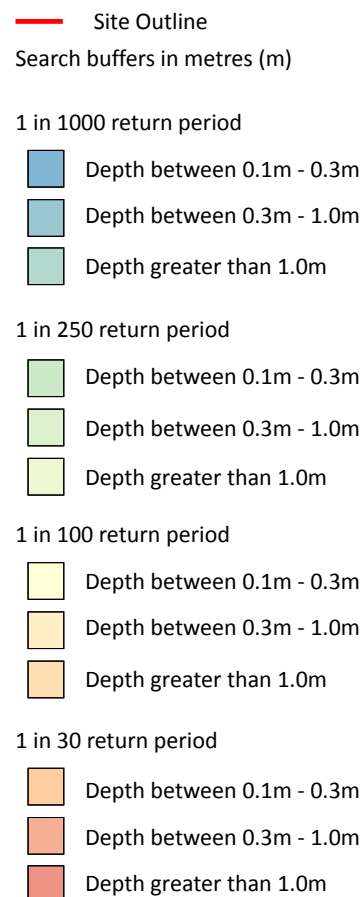
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on **page 58**

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

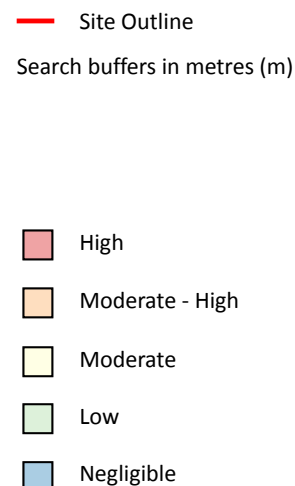
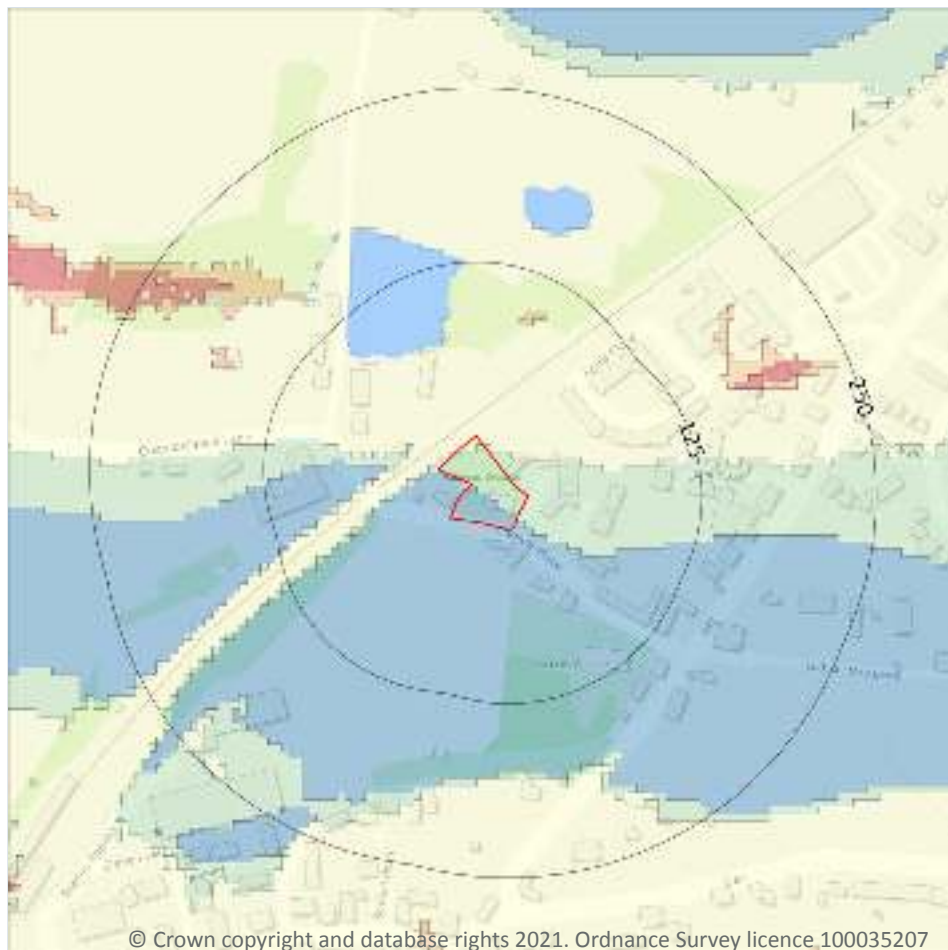
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

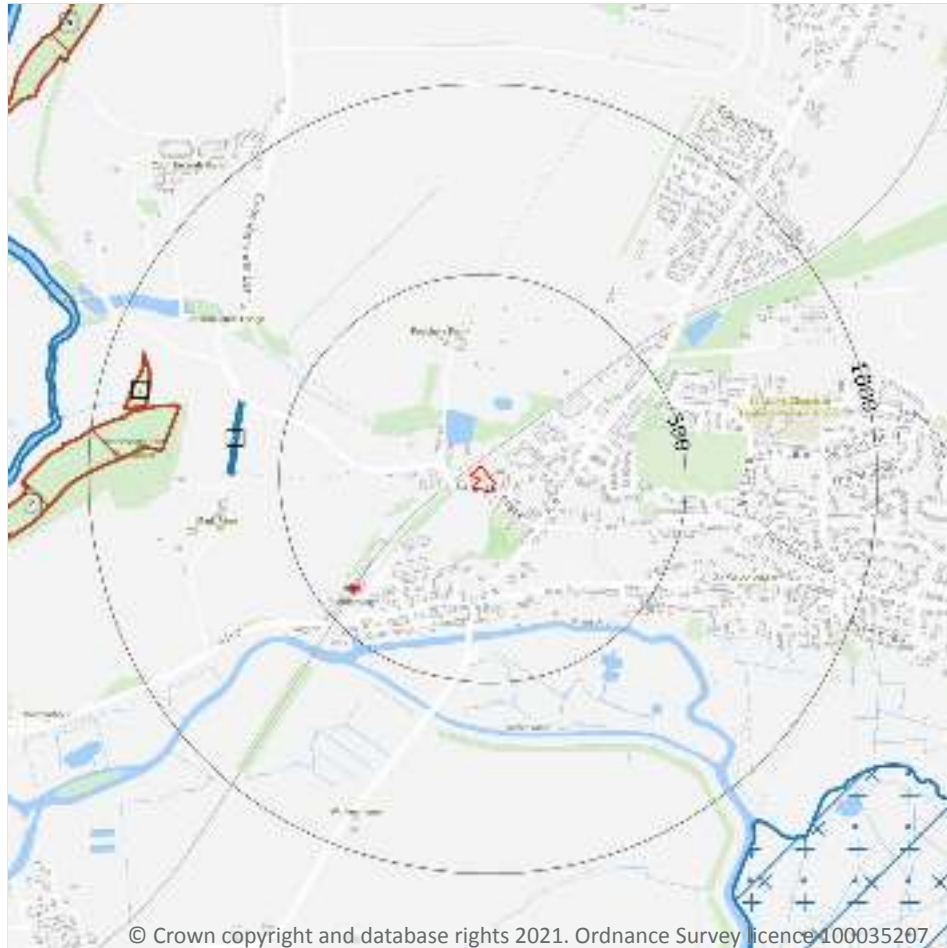
Moderate

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 60**

This data is sourced from Ambient Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- × Conserved wetland sites (Ramsar sites)
- + Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

4

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

Features are displayed on the Environmental designations map on **page 61**

ID	Location	Name	Data source
1	617m W	Park Farm Cutting	Natural England



ID	Location	Name	Data source
4	1082m W	Upper Arun	Natural England
A	1107m SE	Pulborough Brooks	Natural England
-	1689m E	Marehill Quarry	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 61**

ID	Location	Site	Details
A	1106m SE	Name: Arun Valley Site status: Listed Data source: Natural England	Overview: The Arun Valley consists of three component Sites of Special Scientific Interest. Together these sites comprise an area of wet meadows on the floodplain of the River Arun between Pulborough and Amberley. The neutral wet grassland which is subject to winter, and occasional summer, flooding, is dissected by a network of ditches, several of which support rich aquatic flora and invertebrate fauna. The area is of outstanding ornithological importance notably for wintering wildfowl and breeding waders. Ramsar criteria: Ramsar criterion 2 The site holds seven wetland invertebrate species listed in the British Red Data Book as threatened. One of these, <i>Pseudamnicola confusa</i> , is considered to be endangered. The site also supports four nationally rare and four nationally scarce plant species. Ramsar criterion 3 In addition to the Red Data Book invertebrate and plant species, the ditches intersecting the site have a particularly diverse and rich flora. All five British duckweed <i>Lemna</i> species, all five water-cress <i>Rorippa</i> species, and all three British water milfoils (<i>Myriophyllum</i> species), all but one of the seven British water dropworts (<i>Oenanthe</i> species), and two-thirds of the British pondweeds (<i>Potamogeton</i> species) can be found on site.

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



10.3 Special Areas of Conservation (SAC)

Records within 2000m

1

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.

Features are displayed on the Environmental designations map on **page 61**

ID	Location	Name	Features of interest	Habitat description	Data source
A	1107m SE	Arun Valley	Ramshorn snail	Inland water bodies (Standing water, Running water); Bogs, Marshes, Water fringed vegetation, Fens; Broad-leaved deciduous woodland; Humid grassland, Mesophile grassland	Natural England

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

10.4 Special Protection Areas (SPA)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 61**

ID	Location	Name	Species of interest	Habitat description	Data source
A	1107m SE	Arun Valley	Tundra swan	Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water); Broad-leaved deciduous woodland	Natural England

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

9

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

Features are displayed on the Environmental designations map on **page 61**

ID	Location	Name	Woodland Type
2	783m W	Park Mount, Lower, Middle & Upper Plantations, Pa*	Ancient Replanted Woodland
3	868m W	Unknown	Ancient Replanted Woodland
-	1395m N	Unknown	Ancient & Semi-Natural Woodland
-	1464m NW	Unknown	Ancient & Semi-Natural Woodland
-	1494m W	Unknown	Ancient & Semi-Natural Woodland
8	1509m NW	Combeland Hanger	Ancient & Semi-Natural Woodland
-	1675m NW	Mill Copse	Ancient & Semi-Natural Woodland
-	1884m S	Unknown	Ancient & Semi-Natural Woodland
-	1945m NE	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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



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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

2

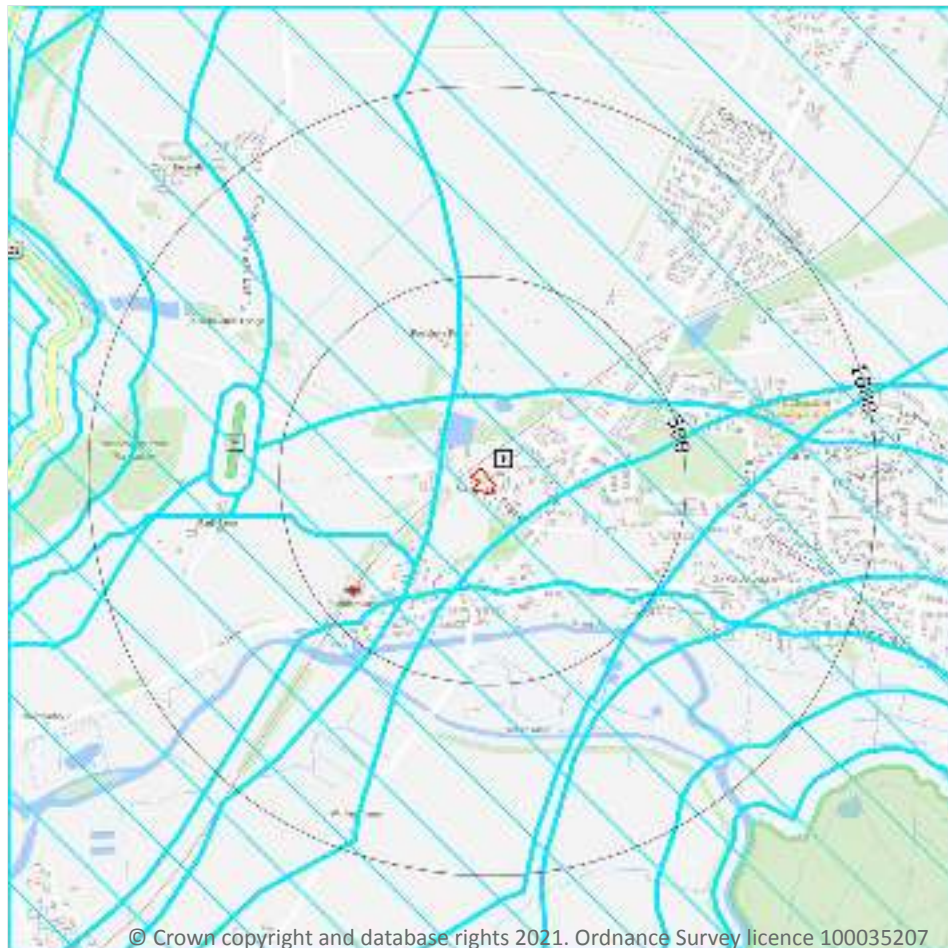
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Petersfield	Groundwater	G61	Existing
490m W	Petersfield	Groundwater	G61	Existing

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



SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 67**

ID	Location	Type of developments requiring consultation
1	On site	All applications - All Planning Applications (Except Householder) Outside Or Extending Outside Existing Settlements/urban Areas Affecting Greenspace, Farmland, Semi Natural Habitats Or Landscape Features Such As Trees, Hedges, Streams, Rural Buildings/structures Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals Wind and Solar - Wind turbines. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha. Residential - Residential development of 50 units or more. Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t) Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream (NB This does not include discharges to mains sewer which are unlikely to pose a risk at this location). Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

6

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

Features are displayed on the SSSI Impact Zones and Units map on **page 67**

ID: A
 Location: 617m W
 SSSI name: Park Farm Cutting
 Unit name: Track
 Broad habitat: Earth Heritage
 Condition: Favourable
 Reportable features:



Feature name	Feature condition	Date of assessment
ER - Aptian - Albian	Favourable	15/03/2006

ID: 22
 Location: 1082m W
 SSSI name: Upper Arun
 Unit name: Rumbeam Copse To Stopham Bridge
 Broad habitat: Rivers And Streams
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Outstanding dragonfly assemblage	Unfavourable - Recovering	12/08/2011

ID: 24
 Location: 1107m SE
 SSSI name: Pulborough Brooks
 Unit name: North Brooks
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bewick's swan, <i>Cygnus columbianus bewickii</i>	Favourable	09/01/2014
Aggregations of non-breeding birds - Pintail, <i>Anas acuta</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Favourable	24/09/2013
Aggregations of non-breeding birds - Shoveler, <i>Anas clypeata</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Favourable	25/07/2012
Assemblages of breeding birds - Lowland damp grasslands	Favourable	25/07/2012
Invert. assemblage W211 open water on disturbed sediments	Favourable	25/07/2012
Population of RDB mollusc - <i>Anisus vorticulus</i> , Little Ramshorn Whirlpool Snail	Favourable	28/01/2014
Vascular plant assemblage	Favourable	25/07/2012

ID: -
 Location: 1689m E
 SSSI name: Marehill Quarry
 Unit name: Marehill Quarry
 Broad habitat: Earth Heritage
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
ED - Aptian - Albian	Favourable	15/03/2006

ID: -
 Location: 1691m S
 SSSI name: Pulborough Brooks
 Unit name: Middle Brooks
 Broad habitat: Neutral Grassland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bewick's swan, <i>Cygnus columbianus bewickii</i>	Favourable	09/01/2014
Aggregations of non-breeding birds - Pintail, <i>Anas acuta</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Favourable	24/09/2013
Aggregations of non-breeding birds - Shoveler, <i>Anas clypeata</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Favourable	25/07/2012
Assemblages of breeding birds - Lowland damp grasslands	Favourable	25/07/2012
Invert. assemblage W211 open water on disturbed sediments	Favourable	25/07/2012
Population of RDB mollusc - <i>Anisus vorticulus</i> , Little Ramshorn Whirlpool Snail	Favourable	28/01/2014
Vascular plant assemblage	Favourable	25/07/2012

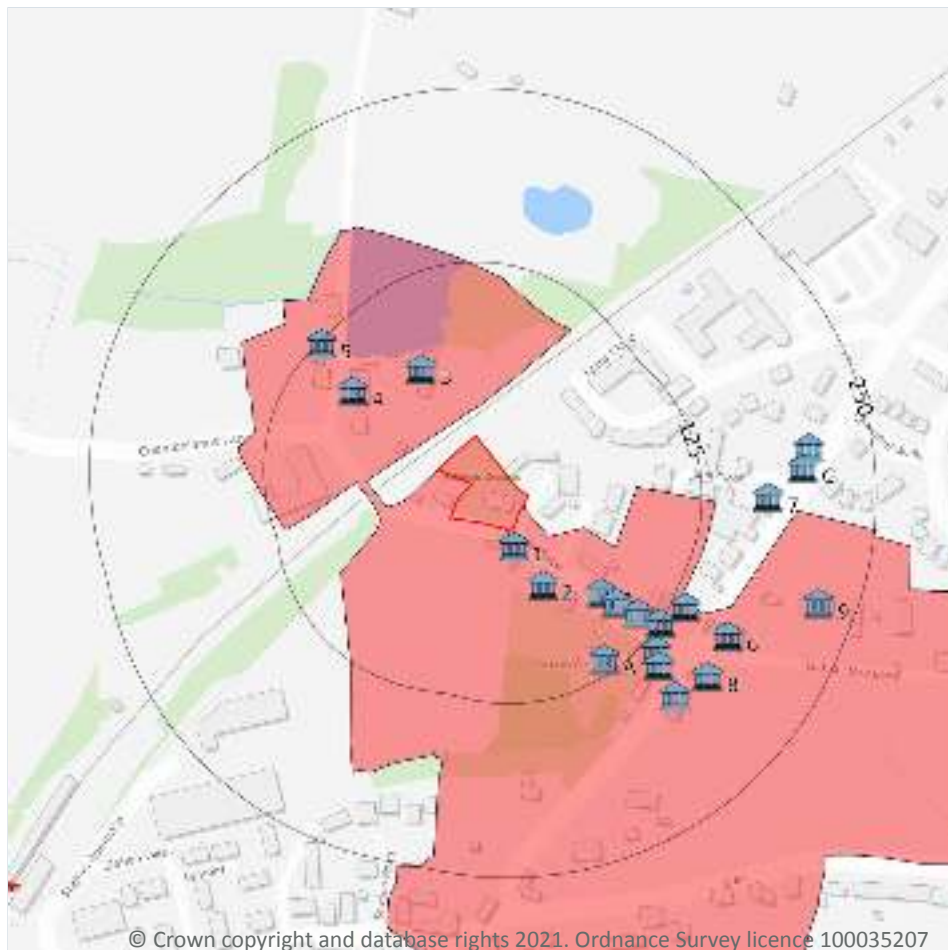
ID: -
Location: 1954m S
SSSI name: Pulborough Brooks
Unit name: South Brooks
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Bewick's swan, <i>Cygnus columbianus bewickii</i>	Favourable	09/01/2014
Aggregations of non-breeding birds - Pintail, <i>Anas acuta</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Ruff, <i>Philomachus pugnax</i>	Favourable	24/09/2013
Aggregations of non-breeding birds - Shoveler, <i>Anas clypeata</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	25/07/2012
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Favourable	25/07/2012
Assemblages of breeding birds - Lowland damp grasslands	Favourable	25/07/2012
Invert. assemblage W211 open water on disturbed sediments	Favourable	25/07/2012
Population of RDB mollusc - <i>Anisus vorticulus</i> , Little Ramshorn Whirlpool Snail	Favourable	28/01/2014
Vascular plant assemblage	Favourable	25/07/2012

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

20

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 72**

ID	Location	Name	Grade	Reference Number	Listed date
1	13m S	Ramblers Rumpus Cottage The Presbytery (Broadview), Pulborough, Horsham, West Sussex, RAMBLERS RUMPUS COTTAGE	II	1286122	09/05/1980
2	46m SE	Church Cottage, Pulborough, Horsham, West Sussex, RH20	II	1039958	07/07/1981
3	62m NW	Old Place Manor, Pulborough, Horsham, West Sussex, RH20	II	1027373	15/03/1955



ID	Location	Name	Grade	Reference Number	Listed date
B	78m SE	4, Church Place, Pulborough, Horsham, West Sussex, RH20	II	1353984	09/05/1980
4	83m NW	Old Place, Pulborough, Horsham, West Sussex, RH20	II*	1286130	15/03/1955
B	91m SE	3 And 3A, Church Place, Pulborough, Horsham, West Sussex, RH20	II	1193526	09/05/1980
B	109m SE	Ancaster House Ancaster Place, Pulborough, Horsham, West Sussex, ANCASTER HOUSE	II	1027372	09/05/1980
A	115m SE	The Parish Church Of St Mary, Pulborough, Horsham, West Sussex, RH20	I	1286174	15/03/1955
5	123m NW	Nags Cottage, Pulborough, Horsham, West Sussex, RH20	II	1027374	09/05/1980
B	126m SE	Church House, Pulborough, Horsham, West Sussex, RH20	II	1353983	15/03/1955
B	135m SE	The Lych Gate At The North East Corner Of The Churchyard, Pulborough, Horsham, West Sussex, RH20	II	1027371	15/03/1955
B	136m SE	Chapel In The Garden And To The North East Of Church House, Pulborough, Horsham, West Sussex, RH20	II	1193486	15/03/1955
B	144m SE	Bishops Cottage, Pulborough, Horsham, West Sussex, RH20	II	1027370	09/05/1980
B	168m SE	The Old House, Pulborough, Horsham, West Sussex, RH20	II*	1193380	15/03/1955
6	172m SE	Chequers Hotel, Pulborough, Horsham, West Sussex, RH20	II	1027311	09/05/1980
7	172m E	The Five Bells Inn, Pulborough, Horsham, West Sussex, RH20	II	1027339	09/05/1980
8	176m SE	Rectory Lodge, Pulborough, Horsham, West Sussex, RH20	II	1027314	15/03/1955
C	199m E	Wayside, Pulborough, Horsham, West Sussex, RH20	II	1354005	09/05/1980
C	205m E	Shepherds Cottage, Pulborough, Horsham, West Sussex, RH20	II	1286090	09/05/1980
9	222m E	The Rectory, Pulborough, Horsham, West Sussex, RH20	II*	1027312	09/05/1980

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

11.5 Conservation Areas

Records within 250m

1

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



Features are displayed on the Visual and cultural designations map on **page 72**

ID	Location	Name	District	Date of designation
A	On site	Pulborough, Church Place	Horsham	1973

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

11.6 Scheduled Ancient Monuments

Records within 250m	0
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A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

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

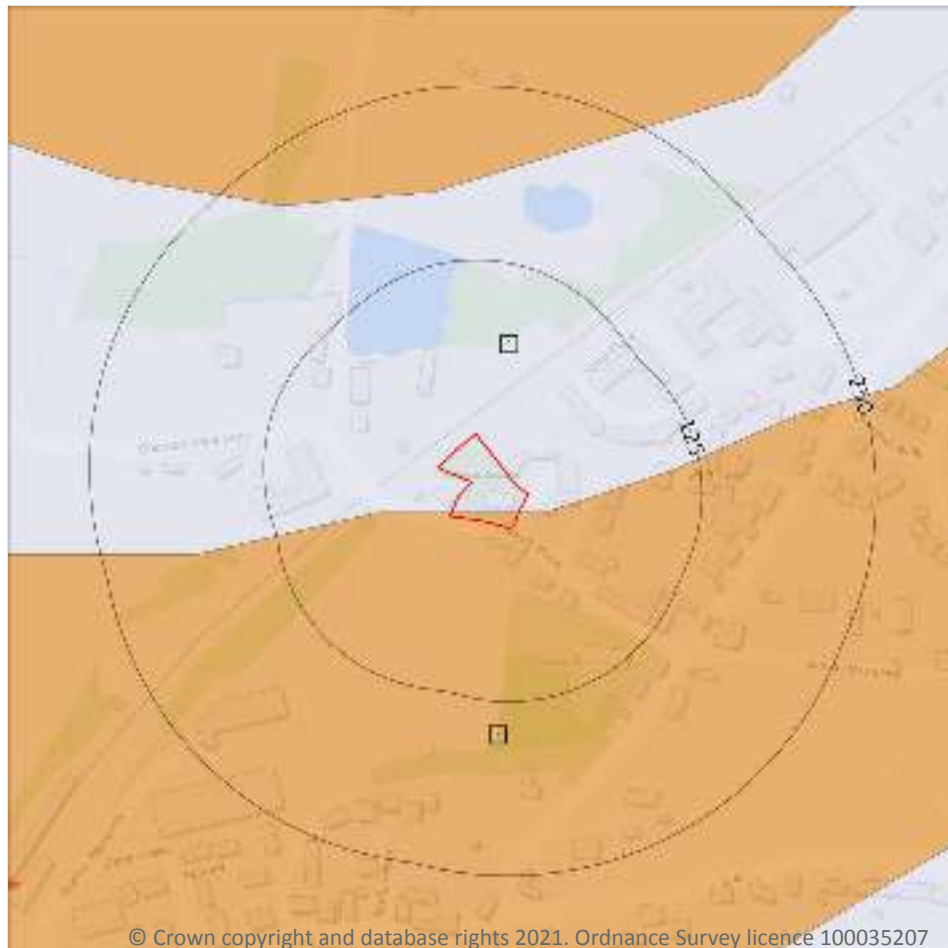
11.7 Registered Parks and Gardens

Records within 250m	0
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Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

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

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

2

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

Features are displayed on the Agricultural designations map on **page 76**

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

ID	Location	Classification	Description
2	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
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The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

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

12.3 Tree Felling Licences

Records within 250m	0
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Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0
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Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



13 Habitat designations



- 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

12

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 79**

ID	Location	Main Habitat	Other habitats
1	55m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	90m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	131m NE	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
4	132m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
5	136m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	143m NE	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
6	159m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	167m N	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
A	174m NE	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
8	178m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	185m NW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
B	234m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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



Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

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14.1 10k Availability

Records within 500m

2

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

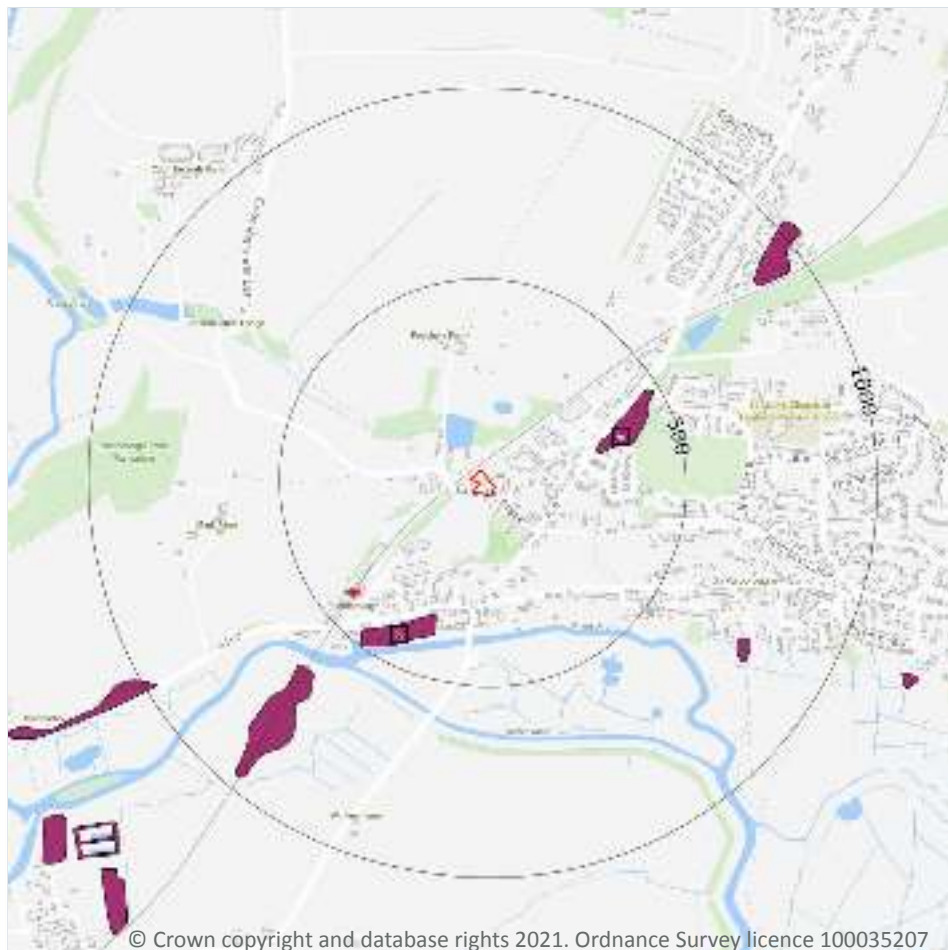
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 82**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	TQ01NW
2	353m E	Full	Full	Full	Full	TQ01NE

This data is sourced from the British Geological Survey.



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



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

14.2 Artificial and made ground (10k)

Records within 500m

3

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

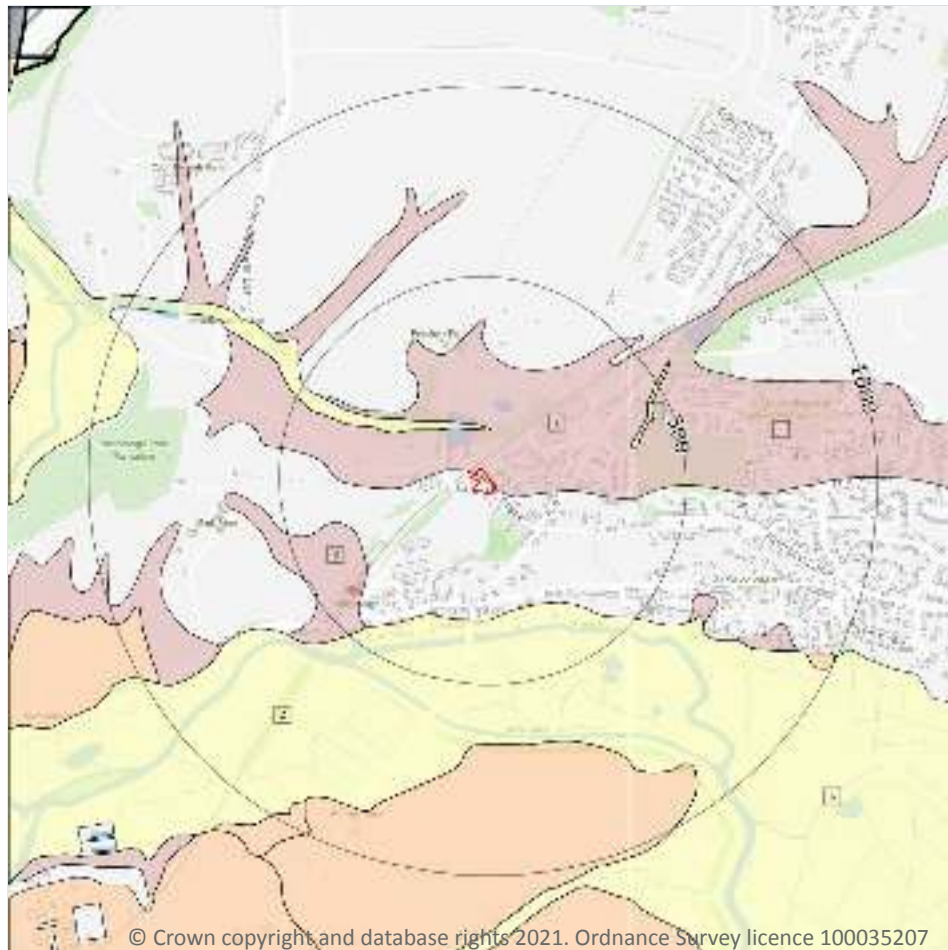
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 83**

ID	Location	LEX Code	Description	Rock description
A	282m E	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
1	337m S	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
A	370m E	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

6

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 84**

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD-DMTN	Head - Diamicton	Diamicton
2	100m N	ALV-XSC	Alluvium - Sand And Clay	Sand And Clay
3	327m SW	HEAD-DMTN	Head - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
4	353m E	HEAD-DMTN	Head - Diamicton	Diamicton
5	370m E	ALV-XSC	Alluvium - Sand And Clay	Sand And Clay
6	488m SE	ALV-XSC	Alluvium - Sand And Clay	Sand And Clay

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

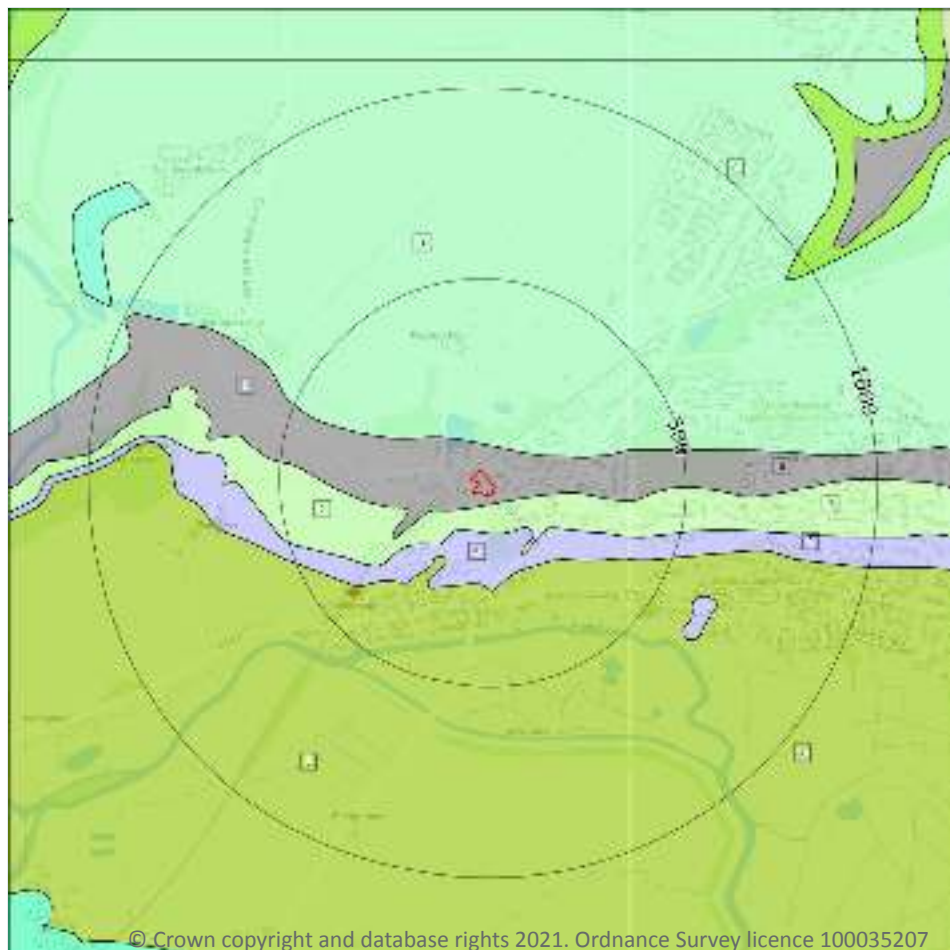
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

10

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 86**

ID	Location	LEX Code	Description	Rock age
1	On site	FIB-SDST	Fittleworth Member - Sandstone	Aptian Age
2	23m S	PBS-SDST	Pulborough Sandrock Member - Sandstone	Aptian Age
3	68m N	HY-SDST	Hythe Formation - Sandstone	Aptian Age
4	98m S	MHC-MDST	Marehill Clay Member - Mudstone	Aptian Age

ID	Location	LEX Code	Description	Rock age
5	187m SW	FO-SDST	Folkestone Formation - Sandstone	Albian Age - Aptian Age
6	353m E	FIB-SDST	Fittleworth Member - Sandstone	Aptian Age
7	355m E	PBS-SDST	Pulborough Sandrock Member - Sandstone	Aptian Age
8	366m E	HY-SDST	Hythe Formation - Sandstone	Aptian Age
9	377m E	MHC-MDST	Marehill Clay Member - Mudstone	Aptian Age
10	400m SE	FO-SDST	Folkestone Formation - Sandstone	Albian Age - Aptian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

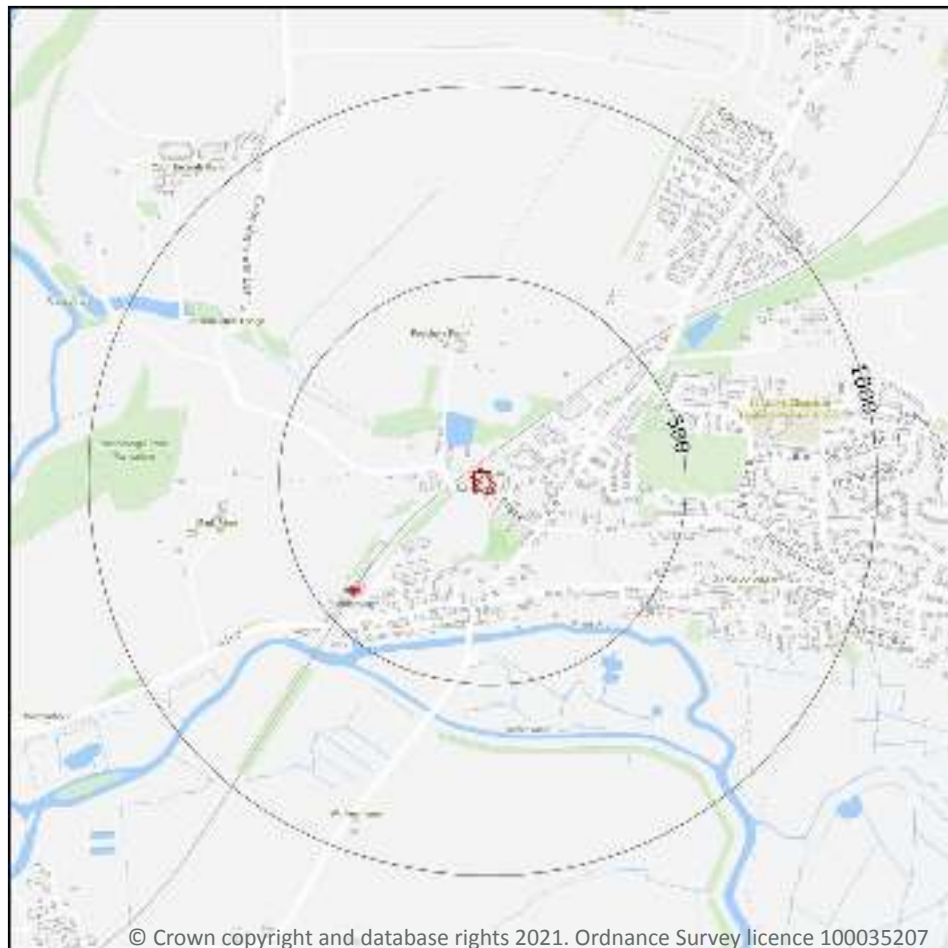
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- ☐ Geological map tile

15.1 50k Availability

Records within 500m

1

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

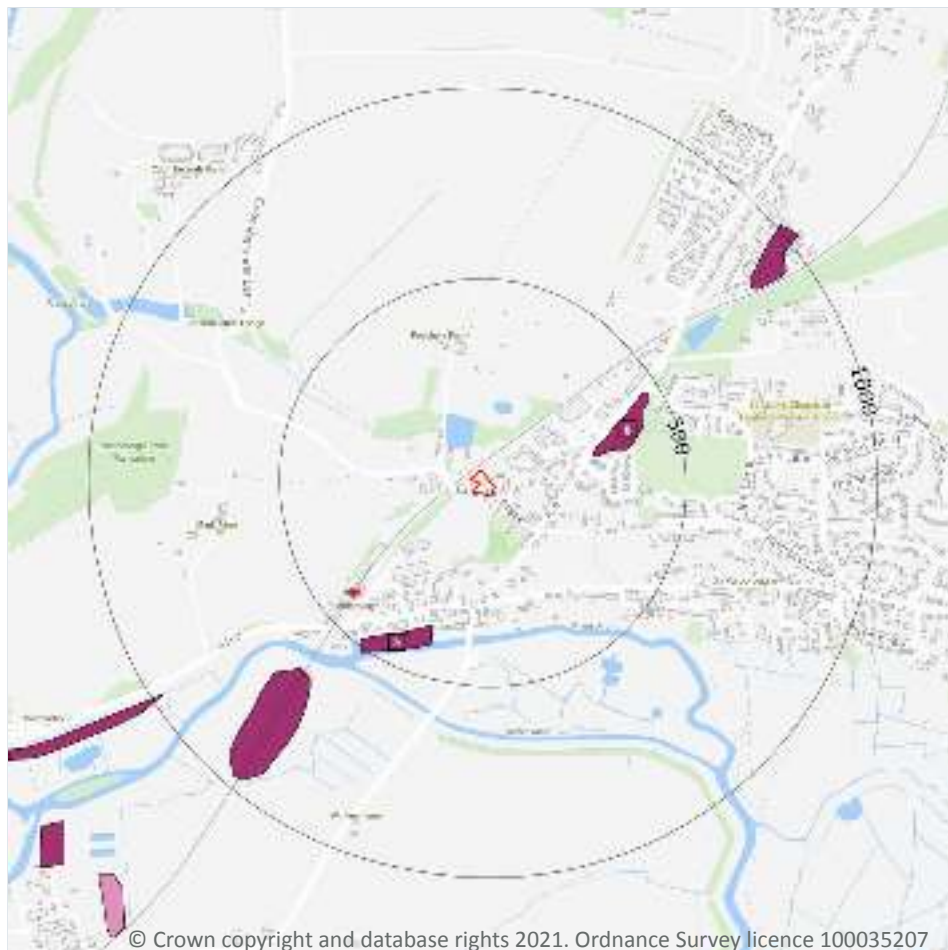
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 88**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW317_332_chichester_and_bognor_v4

This data is sourced from the British Geological Survey.



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



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

15.2 Artificial and made ground (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 89**

ID	Location	LEX Code	Description	Rock description
1	272m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	364m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

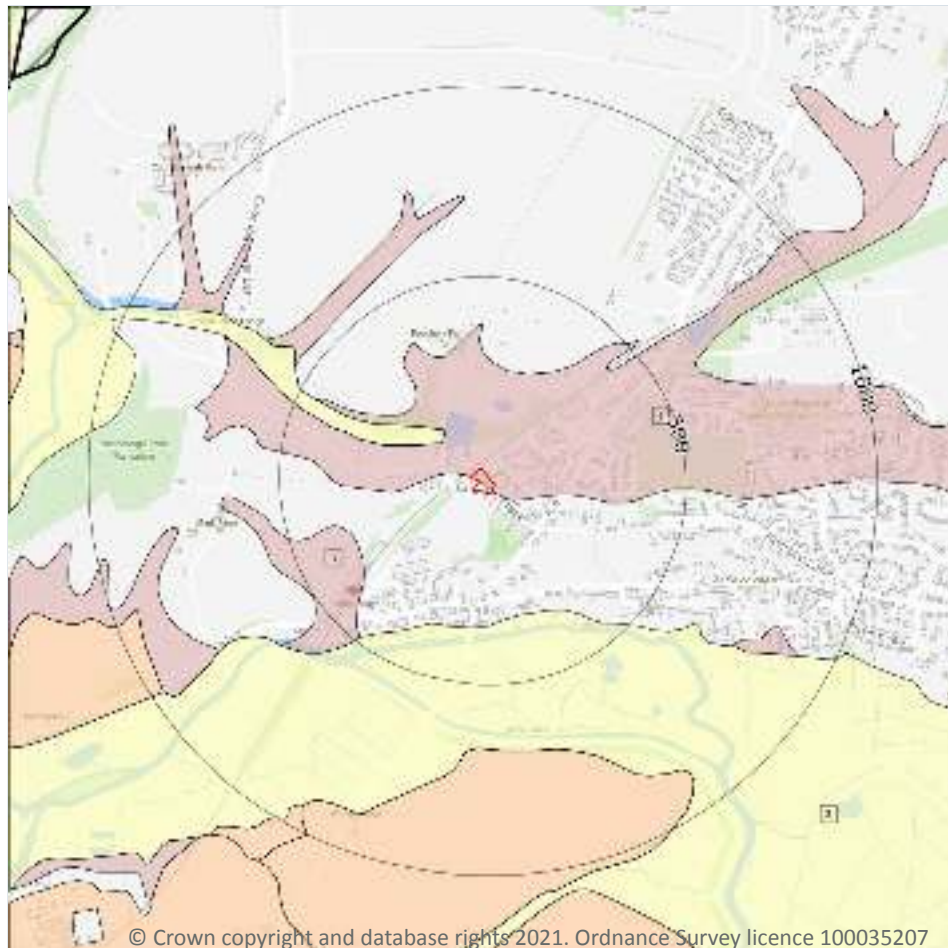
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 91**

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
2	115m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	335m SW	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m

5

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 93**

ID	Location	LEX Code	Description	Rock age
1	On site	FIB-STMD	FITTLEWORTH MEMBER - SANDSTONE AND MUDSTONE	APTIAN
2	31m S	PBS-SDST	PULBOROUGH SANDROCK MEMBER - SANDSTONE	APTIAN
3	55m N	HY-SDST	HYTHE FORMATION - SANDSTONE	APTIAN
4	109m S	MHC-MDST	MAREHILL CLAY MEMBER - MUDSTONE	APTIAN

ID	Location	LEX Code	Description	Rock age
5	199m SW	FO-SDST	FOLKESTONE FORMATION - SANDSTONE	APTIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	2
---------------------------	----------

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Low
31m W	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

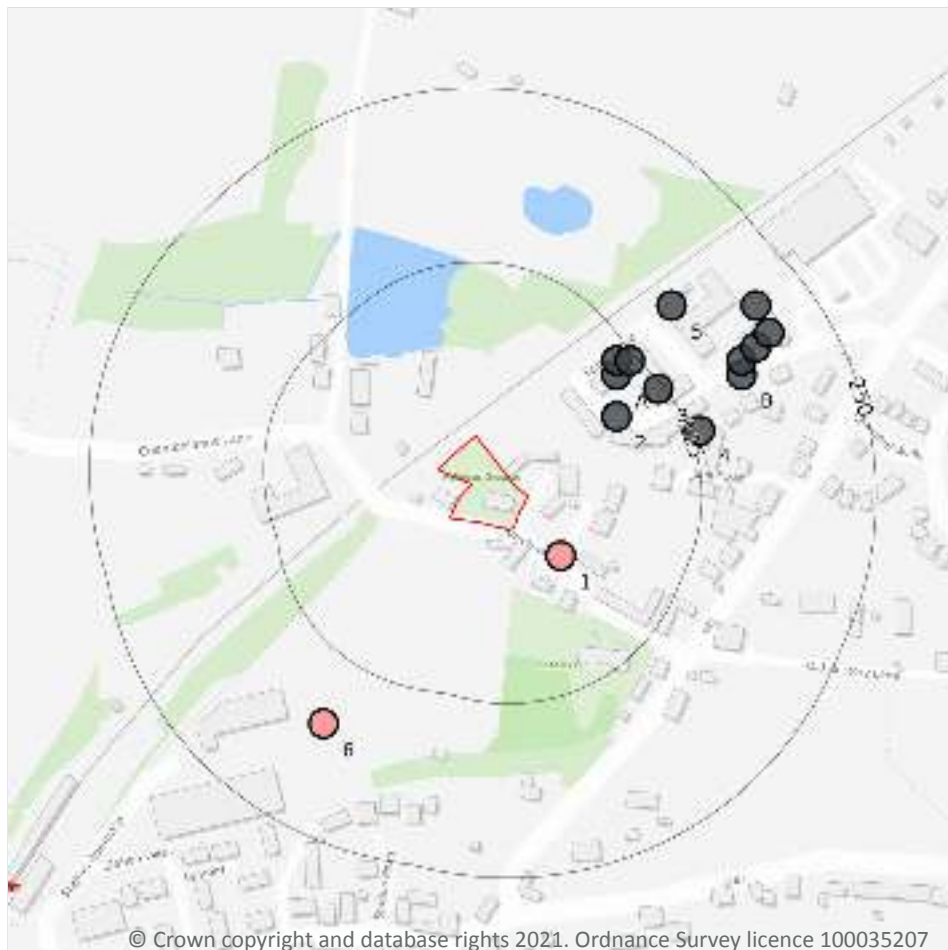
Records within 500m	0
----------------------------	----------

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

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

14

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

Features are displayed on the Boreholes map on **page 95**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	39m SE	504670 118840	CALEDONIA BUNGALOW PULBOROUGH	47.55	N	570067
2	85m NE	504710 118940	LONDON ROAD PULBOROUGH WS12	-	Y	N/A
A	106m NE	504710 118970	LONDON ROAD PULBOROUGH WS14	-	Y	N/A

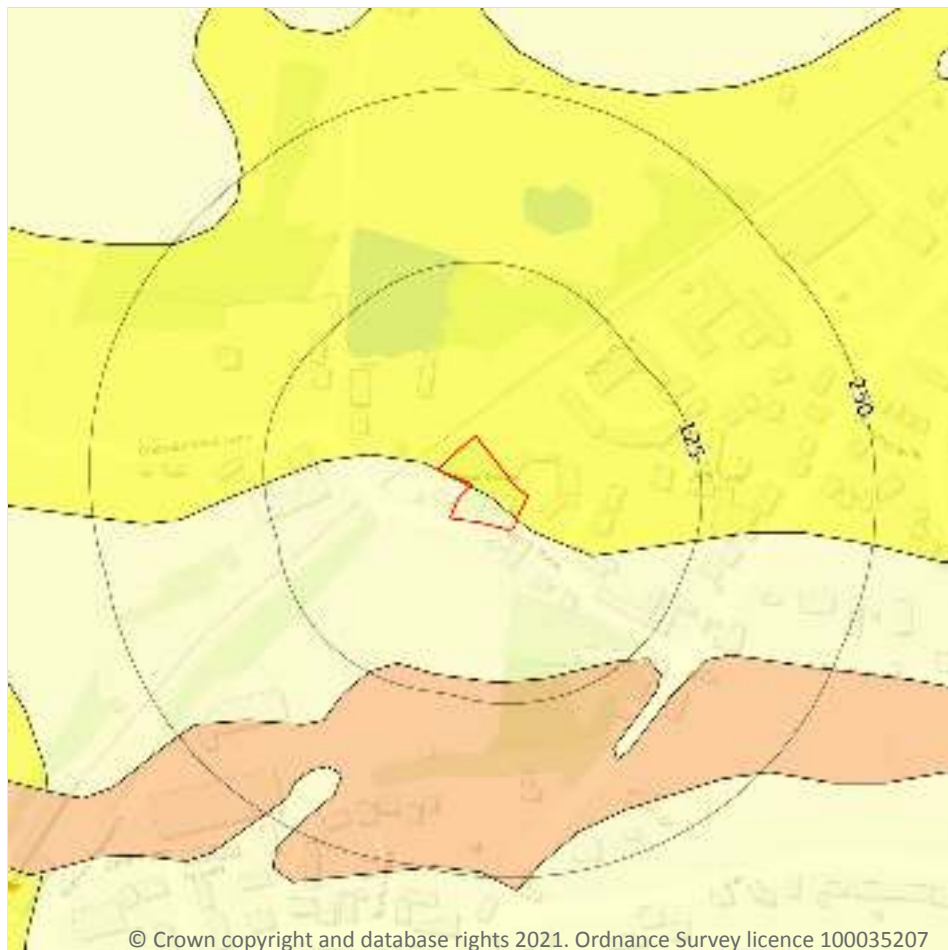


ID	Location	Grid reference	Name	Length	Confidential	Web link
A	112m NE	504710 118980	LONDON ROAD PULBOROUGH WS13	-	Y	N/A
A	120m NE	504720 118980	LONDON ROAD PULBOROUGH WS9	-	Y	N/A
3	121m NE	504740 118960	LONDON ROAD PULBOROUGH WS11	-	Y	N/A
4	132m E	504770 118930	LONDON ROAD PULBOROUGH WS15	-	Y	N/A
5	169m NE	504750 119020	LONDON ROAD PULBOROUGH 5	-	Y	N/A
6	173m SW	504500 118720	PULBOROUGH	80.47	N	570057
B	176m NE	504800 118970	LONDON ROAD PULBOROUGH WS2	-	Y	N/A
B	181m NE	504800 118980	LONDON ROAD PULBOROUGH WS1	-	Y	N/A
B	195m NE	504810 118990	LONDON ROAD PULBOROUGH WS3	-	Y	N/A
B	209m NE	504820 119000	LONDON ROAD PULBOROUGH 4	-	Y	N/A
B	213m NE	504810 119020	LONDON ROAD PULBOROUGH WS10	-	Y	N/A

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

2

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

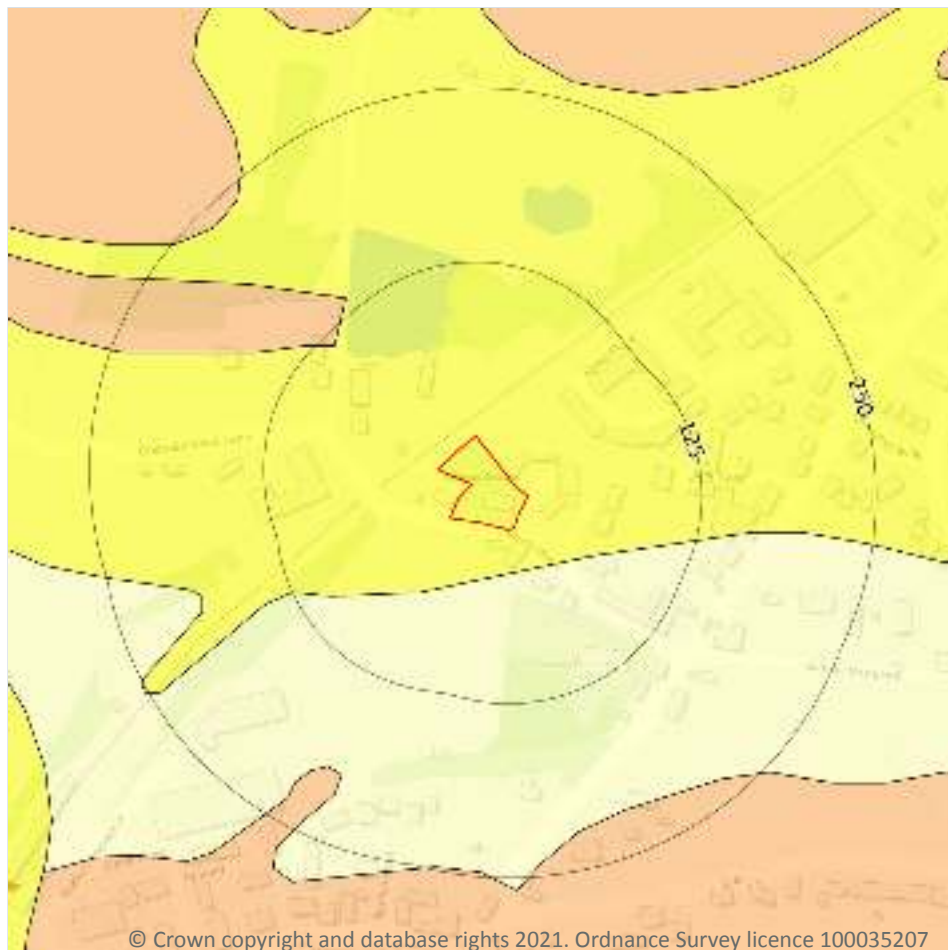
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 97**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

2

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

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

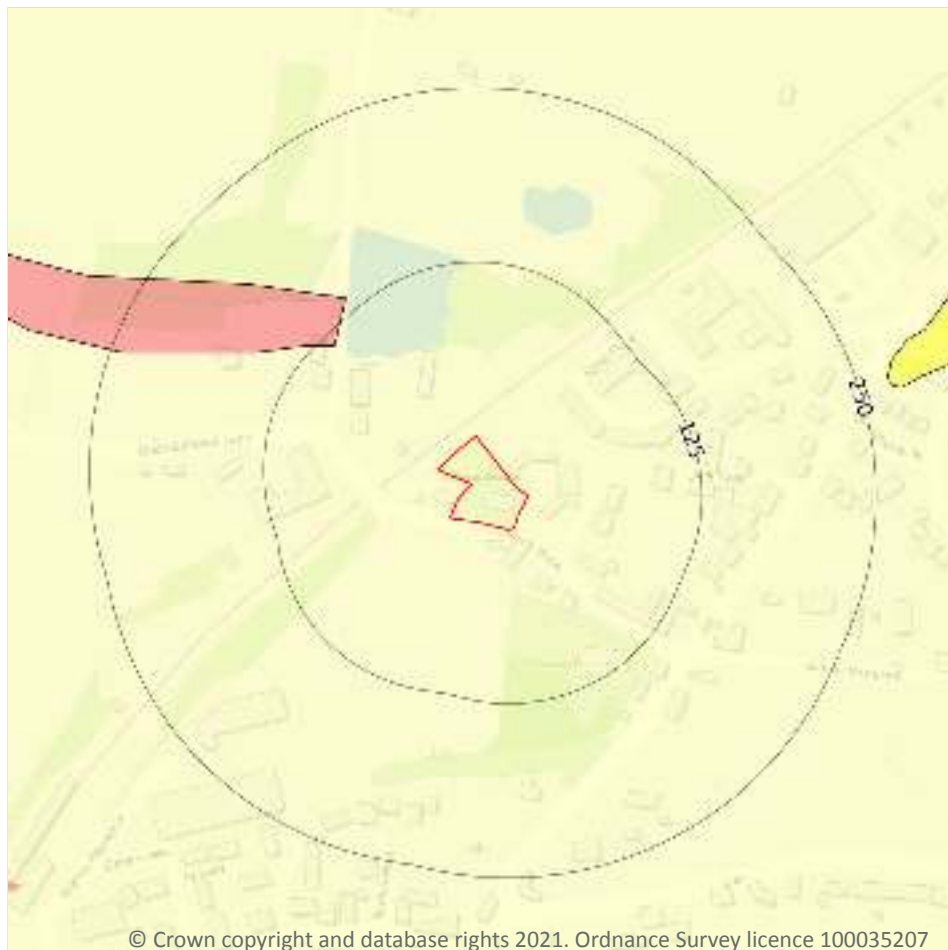
Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

Location	Hazard rating	Details
31m S	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

1

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

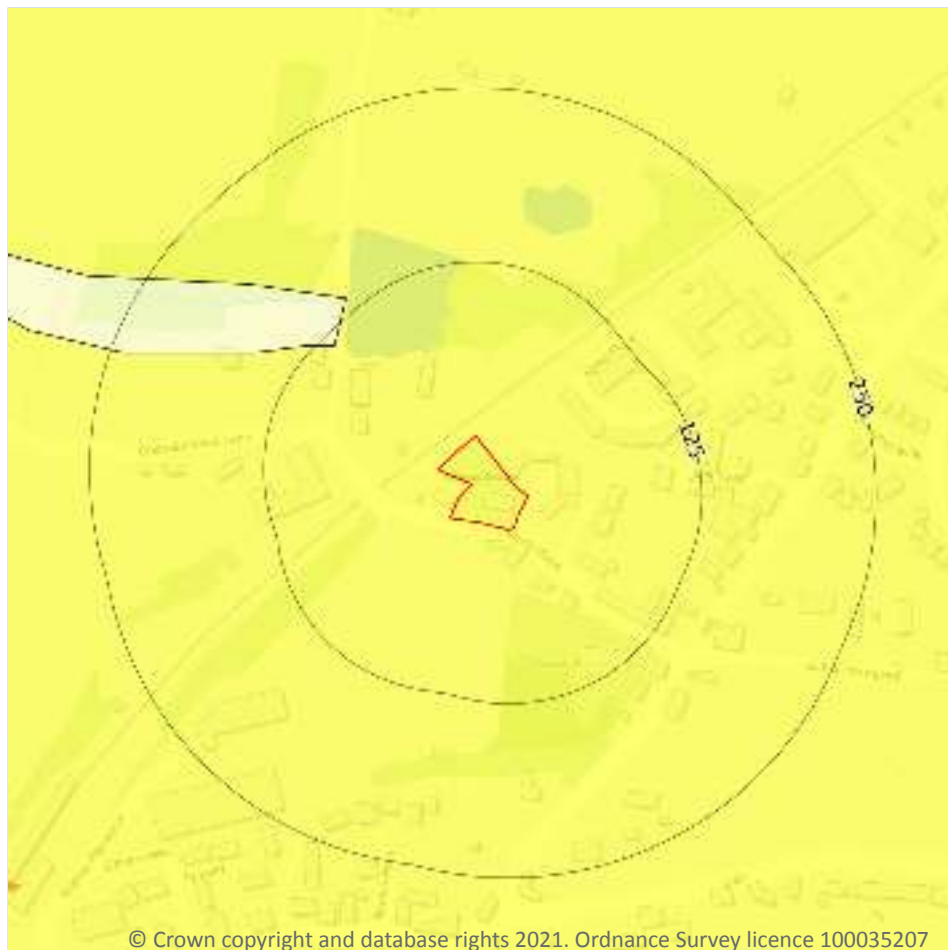
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 100**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



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

17.4 Collapsible deposits

Records within 50m

1

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

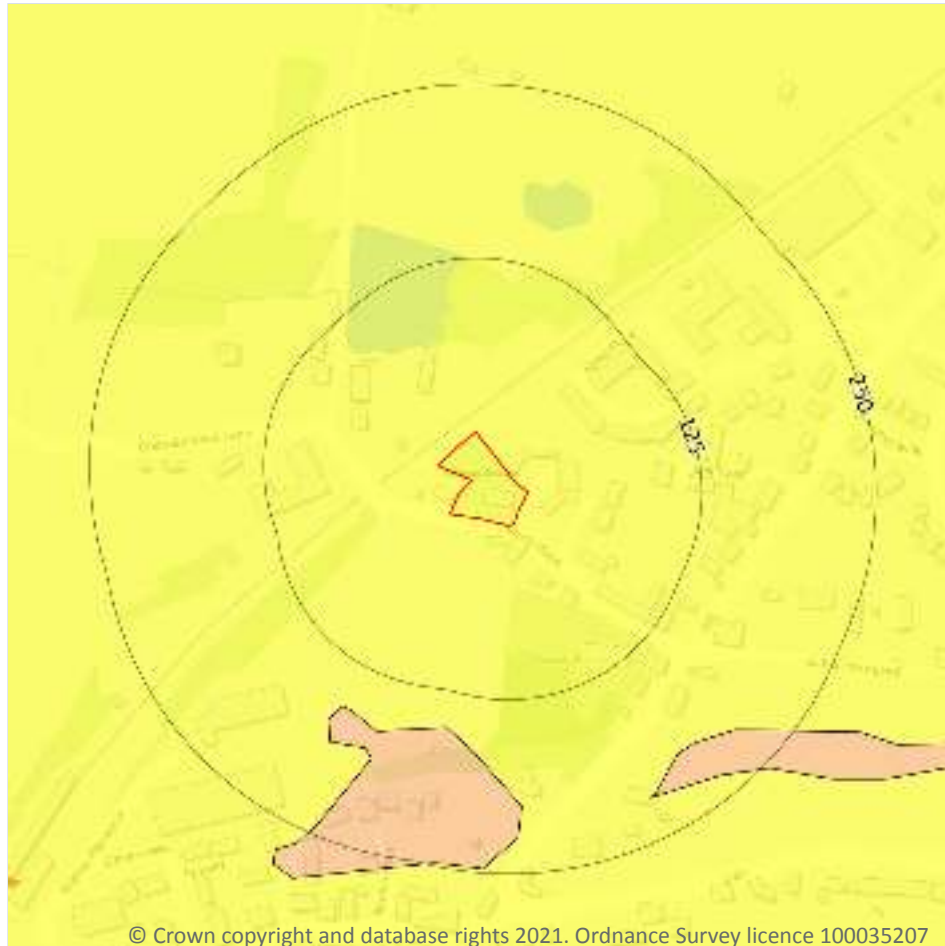
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 101**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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

17.5 Landslides

Records within 50m

1

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

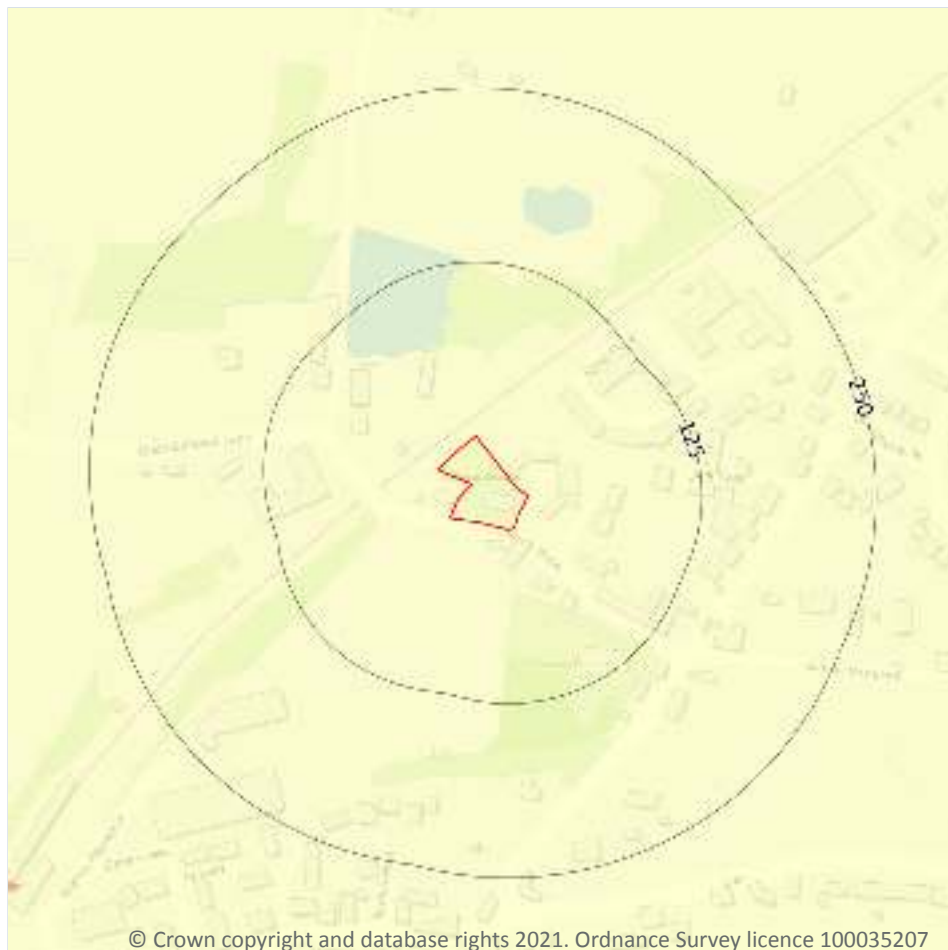
Features are displayed on the Natural ground subsidence - Landslides map on **page 102**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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

17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

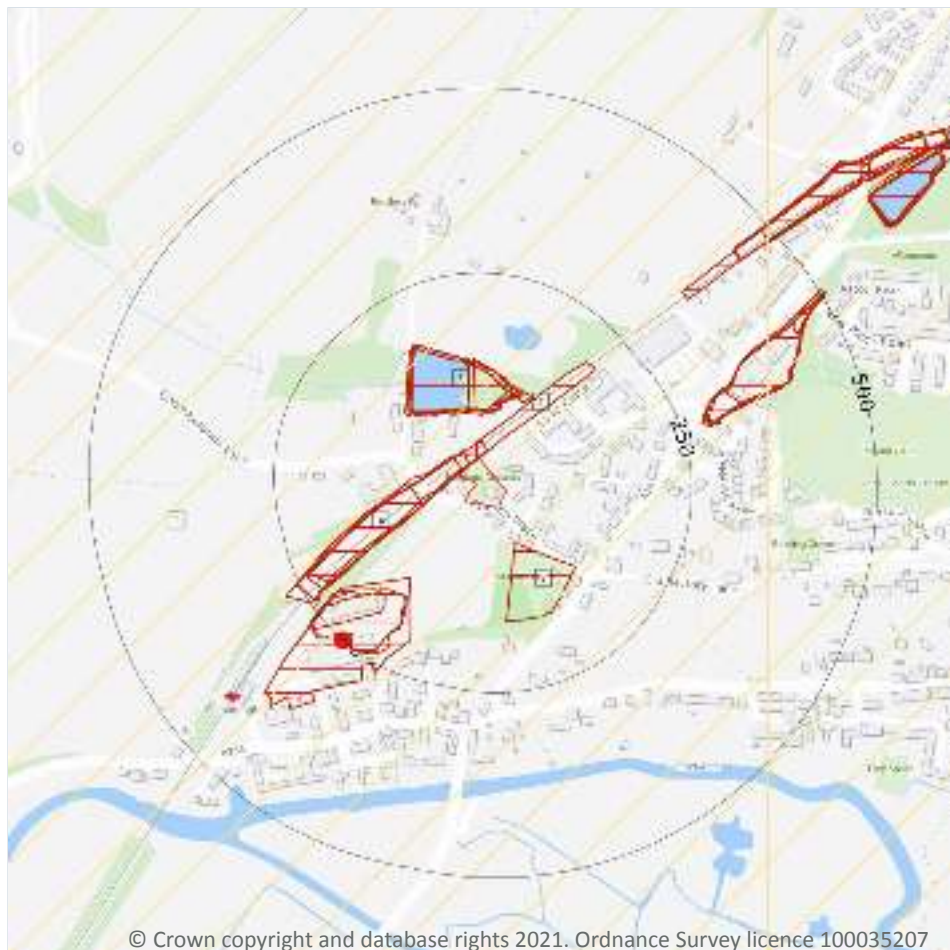
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 103**

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

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



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

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m

1

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

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

ID	Location	Details	Description
C	250m SW	Name: Pulborough Brick Field Address: PULBOROUGH, West Sussex Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

19

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

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

ID	Location	Land Use	Year of mapping	Mapping scale
2	On site	Cuttings	1895	1:10560
A	1m NW	Cuttings	1876	1:10560
A	2m NW	Cuttings	1914	1:10560
A	2m NW	Cuttings	1896	1:10560
A	6m NW	Cuttings	1957	1:10560
3	52m SE	Grave Yard	1876	1:10560
A	57m W	Cuttings	1980	1:10000
B	59m N	Pond	1980	1:10000
B	62m N	Fish Pond	1914	1:10560
B	62m N	Fish Pond	1896	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	63m N	Pond	1913	1:10560
B	63m N	Fish Pond	1957	1:10560
B	64m N	Water Body	1876	1:10560
B	66m N	Pond	1938	1:10560
B	66m N	Pond	1895	1:10560
C	127m SW	Brick Field	1914	1:10560
C	151m SW	Unspecified Pit	1957	1:10560
C	152m SW	Unspecified Pit	1914	1:10560
C	168m SW	Sand Pit	1896	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

0

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

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

2

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

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



ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
5	353m E	Not available	Sand	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m **0**

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site **0**

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site **0**

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site **0**

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



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

18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

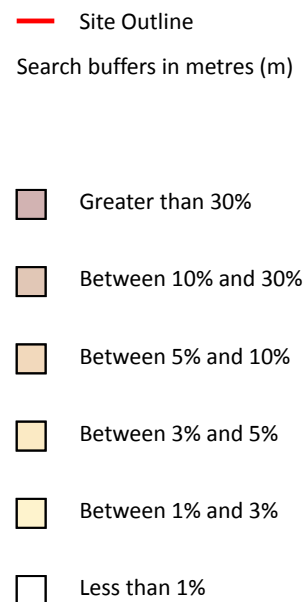
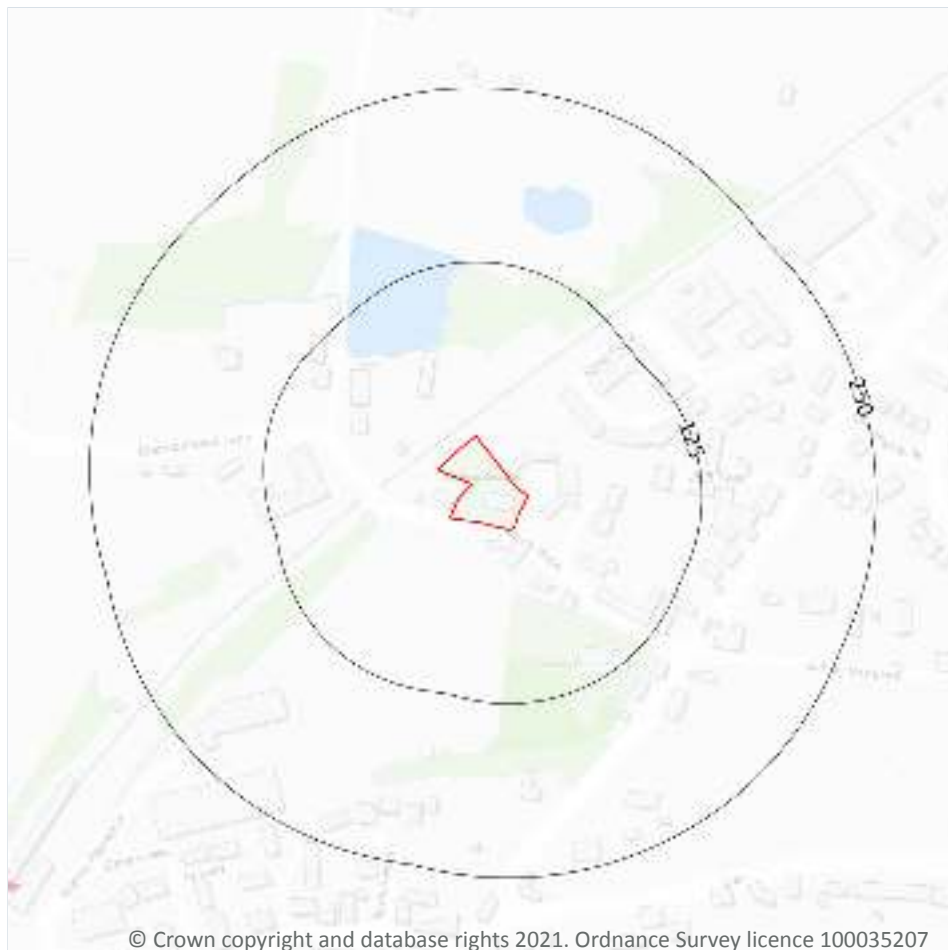
18.13 Clay mining

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

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

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

19 Radon



19.1 Radon

Records on site

1

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

Features are displayed on the Radon map on **page 110**

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

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



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

3

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
31m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 1 Worksites
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

21.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

8

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

Features are displayed on the Railway infrastructure and projects map on **page 112**

Location	Land Use	Year of mapping	Mapping scale
49m SW	Railway Sidings	1876	10560
58m W	Railway Sidings	1914	10560
58m SW	Railway Sidings	1896	10560
59m SW	Railway Sidings	1957	10560
188m SW	Railway Sidings	1993	2500
189m SW	Railway Sidings	1988	2500
189m SW	Railway Sidings	1970	2500
196m SW	Railway Sidings	1984	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.



21.6 Historical railways

Records within 250m**0**

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m**6**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 112**

Location	Name	Type
8m NW	Arun Valley Line	rail
11m NW	Arun Valley Line	rail
12m NW	Not given	Multi Track
56m NE	Not given	Multi Track
60m W	Not given	Multi Track
228m NE	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m**0**

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m**0**

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

This data is sourced from publicly available information by Groundsure.



21.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

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

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Map Name: County Series

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Scale: 1:2,500

Printed at: 1:2,500



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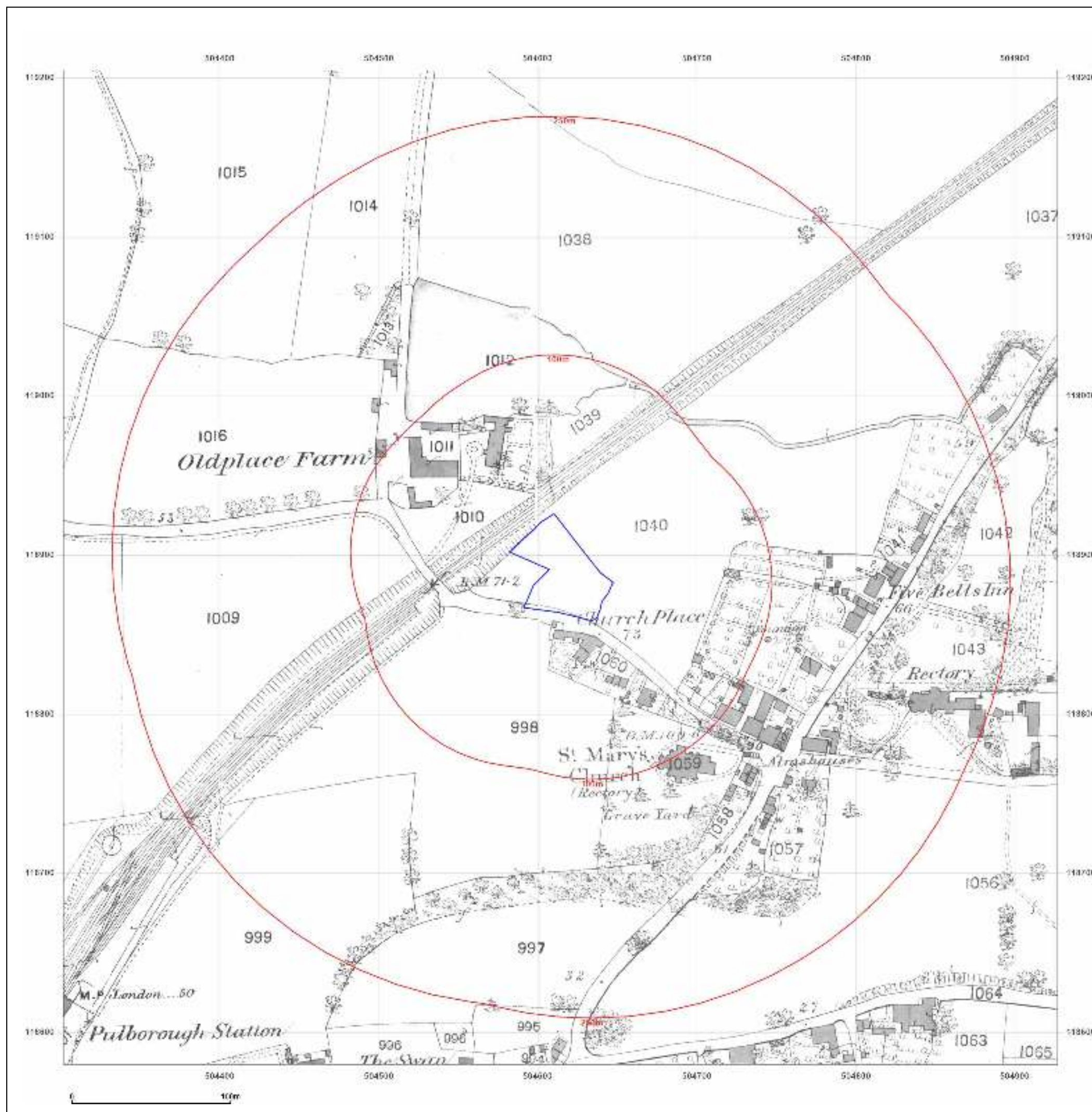


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Map Name: County Series

Map date: 1897

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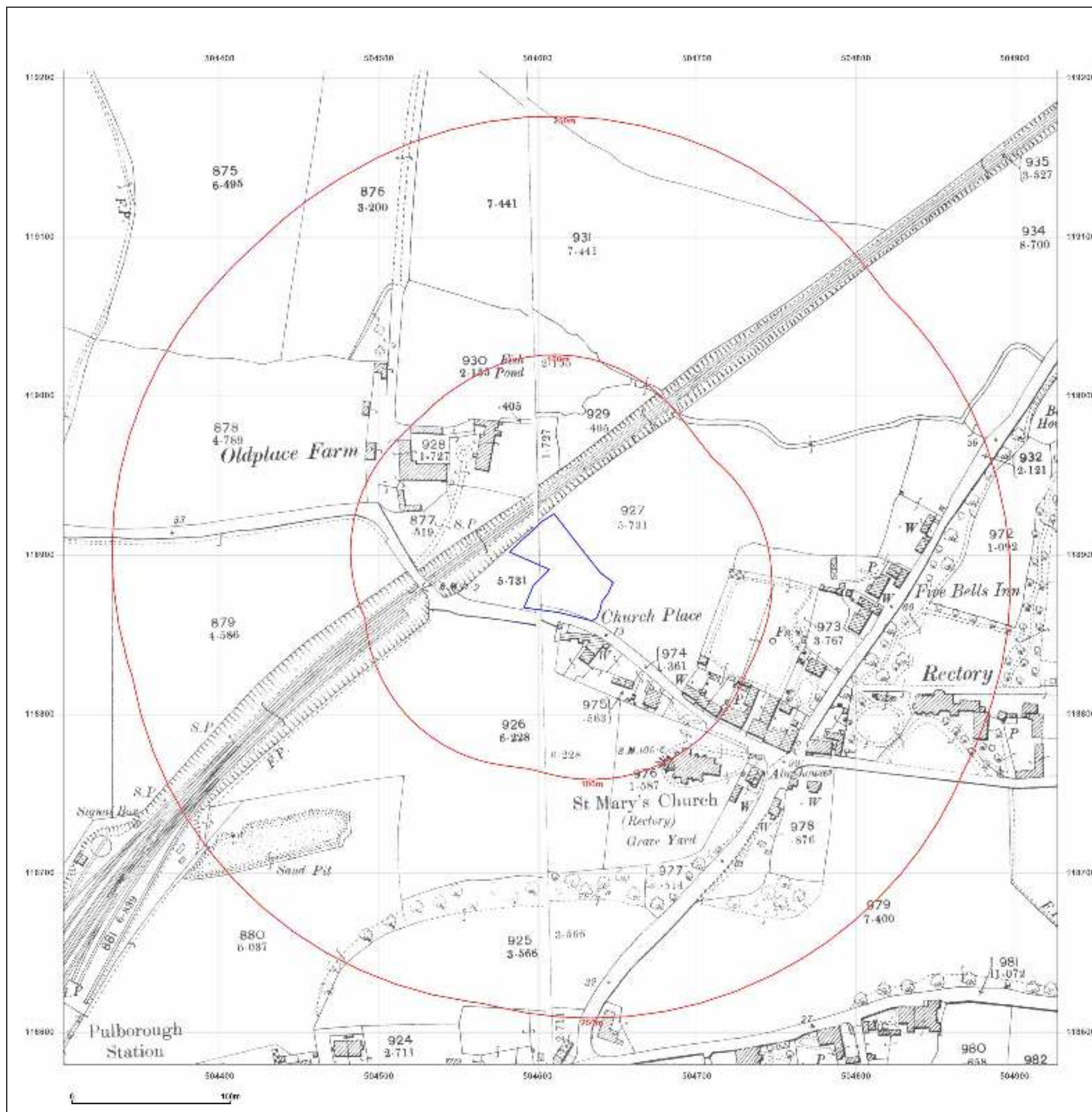
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Map Name: County Series

Map date: 1911

Scale: 1:2,500

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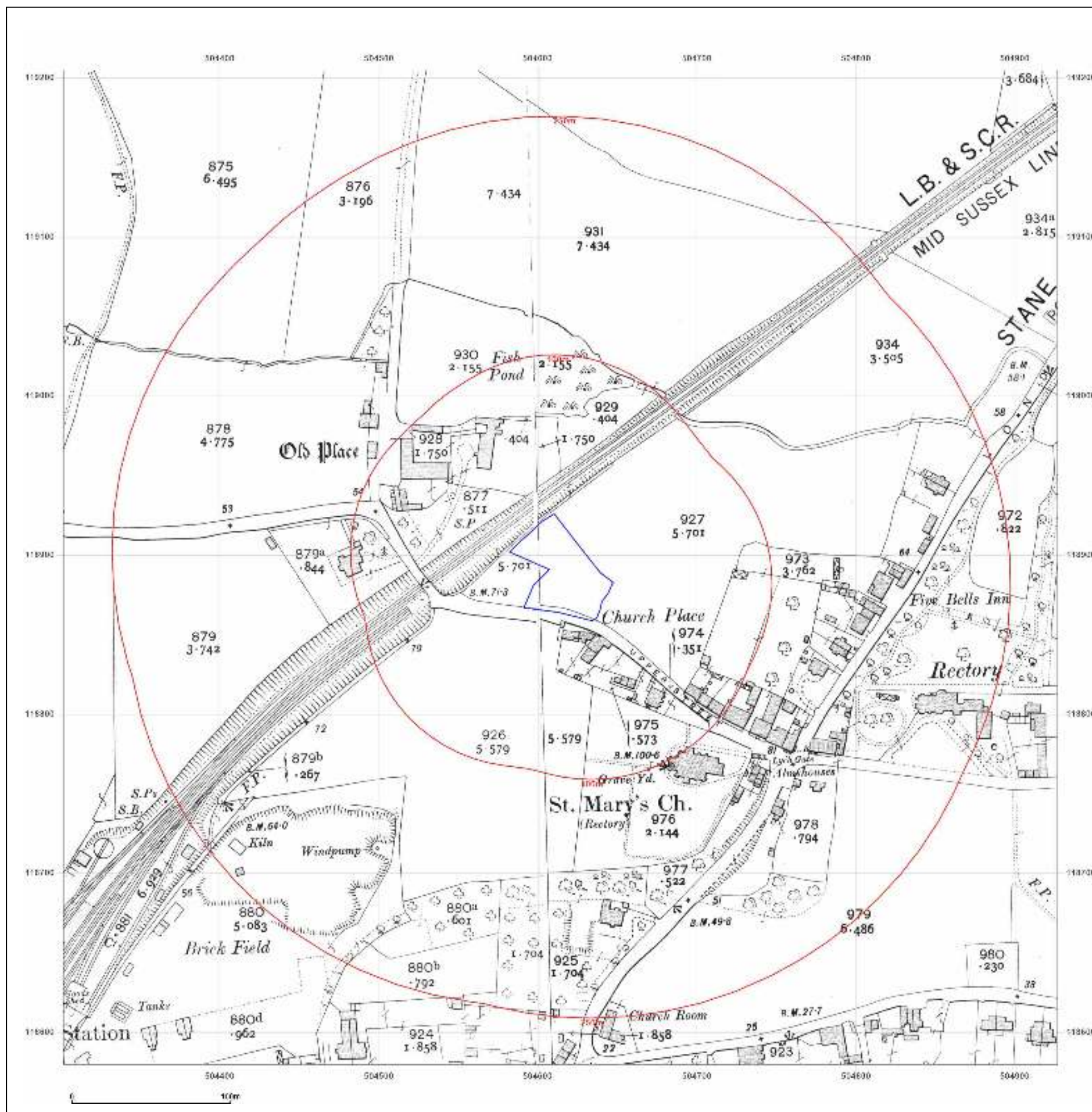
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Grid Ref: 504614, 118892

Map Name: National Grid

Map date: 1970-1972

Scale: 1:2,500

Printed at: 1:2,500



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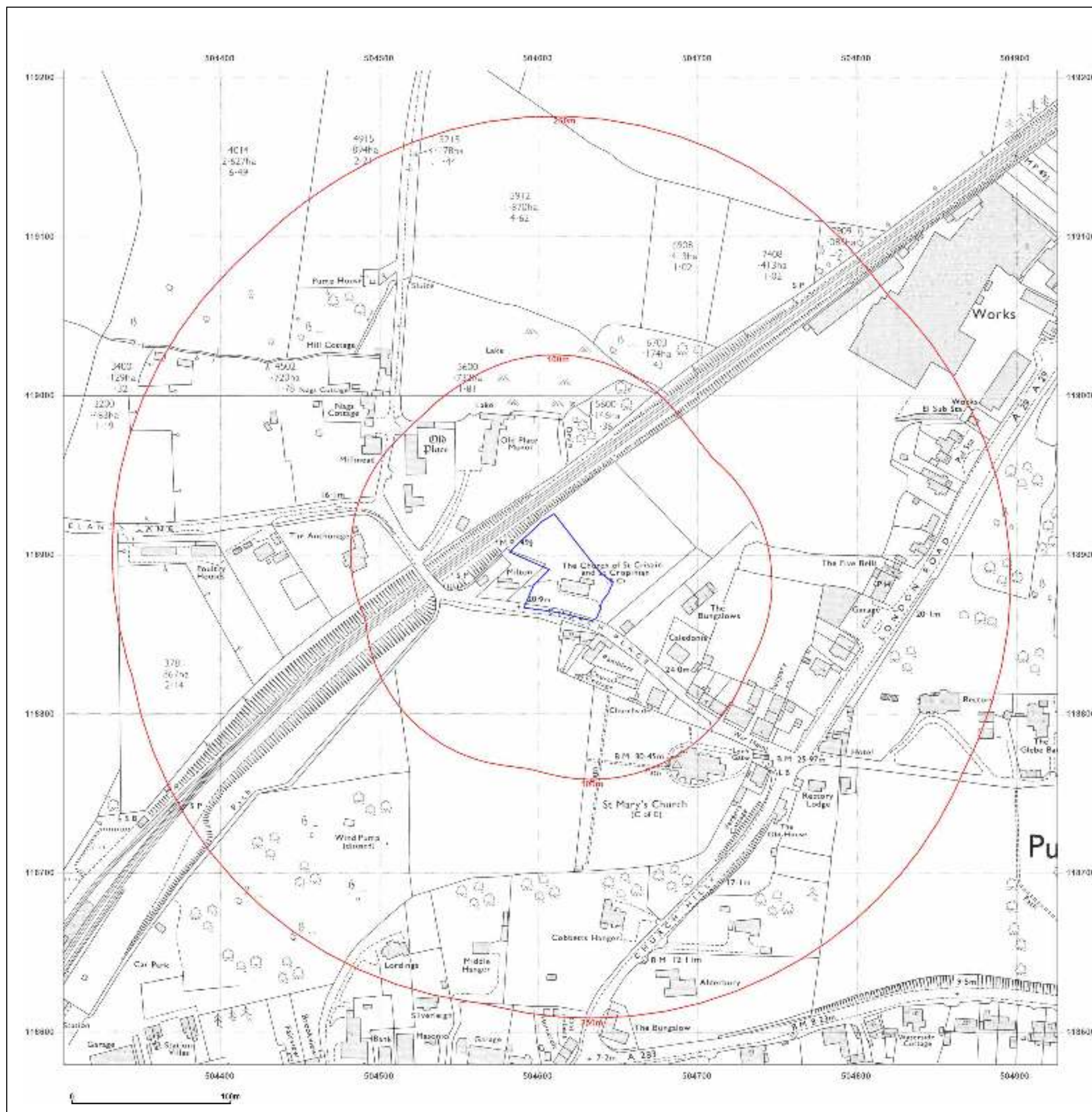


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Grid Ref: 504614, 118892

Map Name: National Grid

Map date: 1984

Scale: 1:2,500

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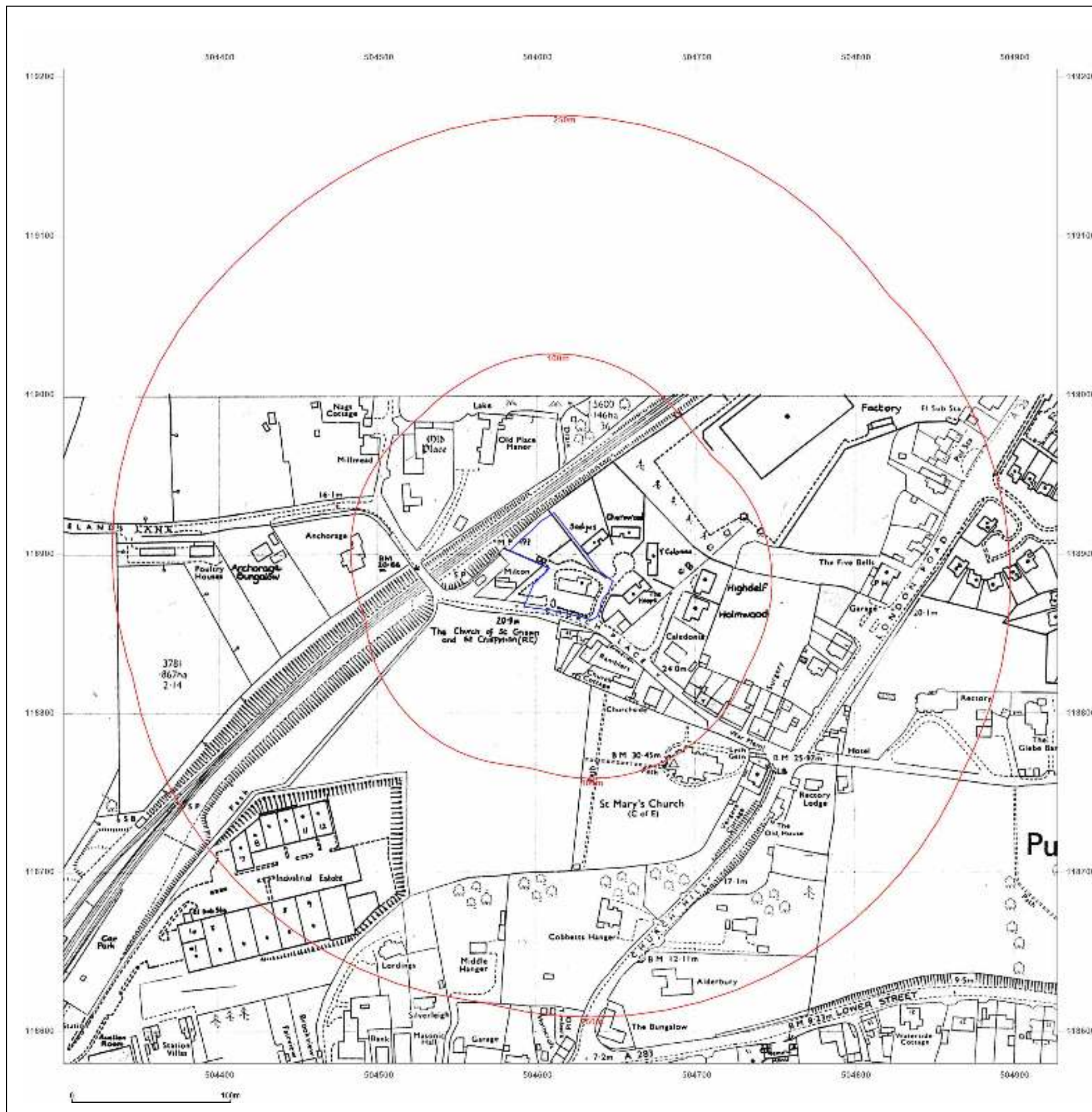
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Report Ref: ALB-8207066
Grid Ref: 504614, 118892

Map Name: National Grid

Map date: 1988-1993

Scale: 1:2,500

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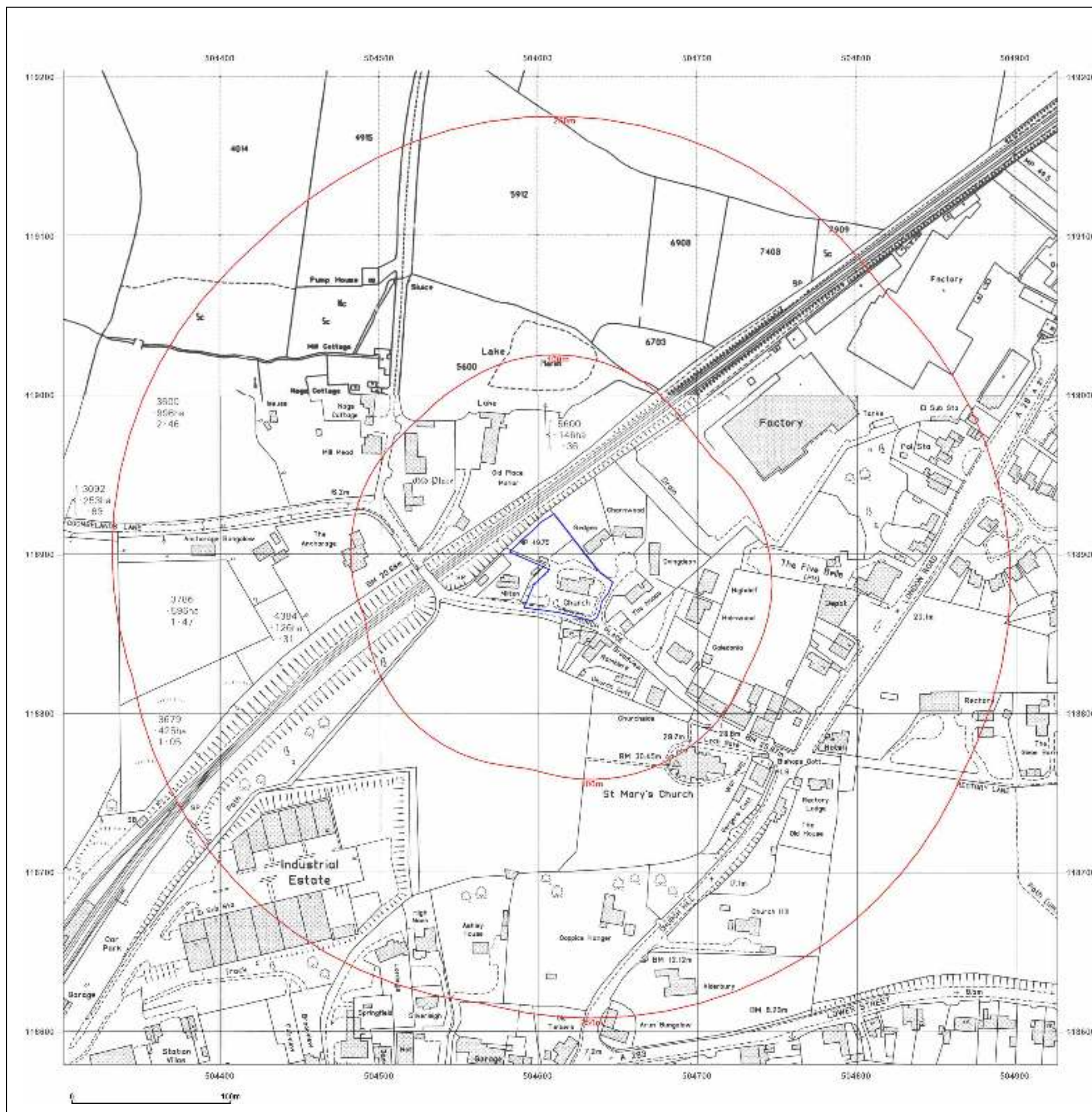


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Map Name: National Grid

Map date: 1993

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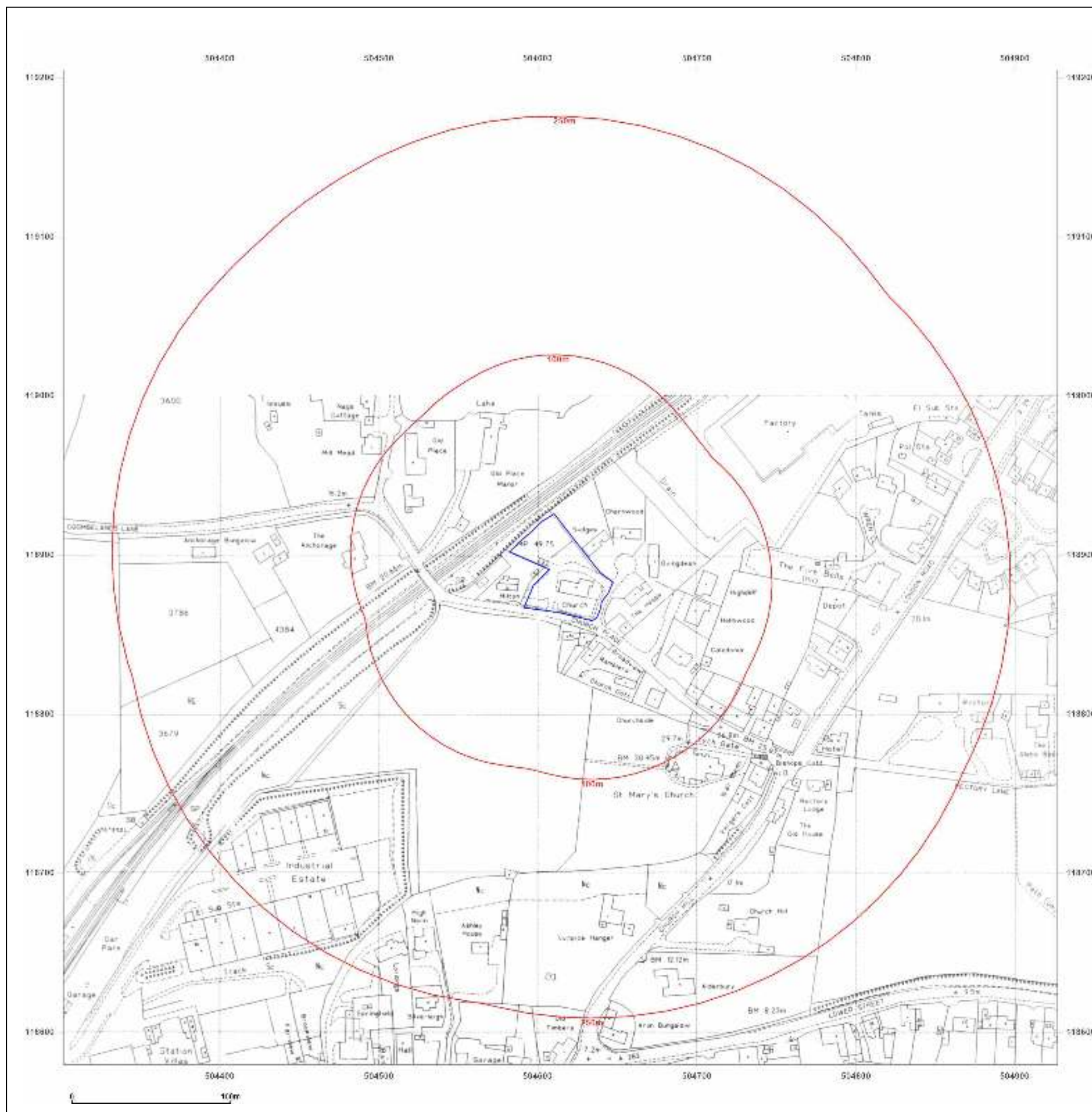
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Map Name: LandLine

Map date: 2003

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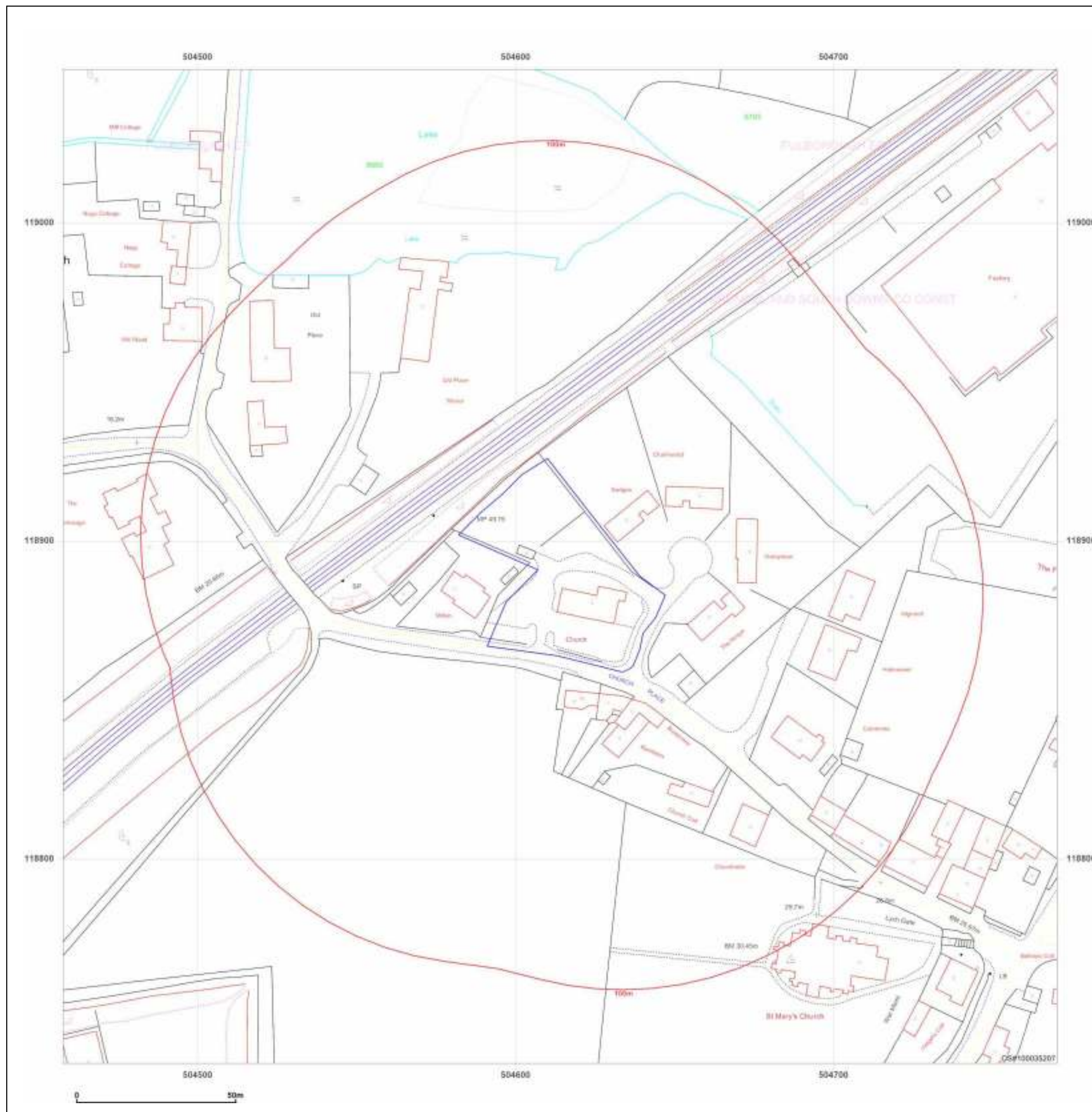


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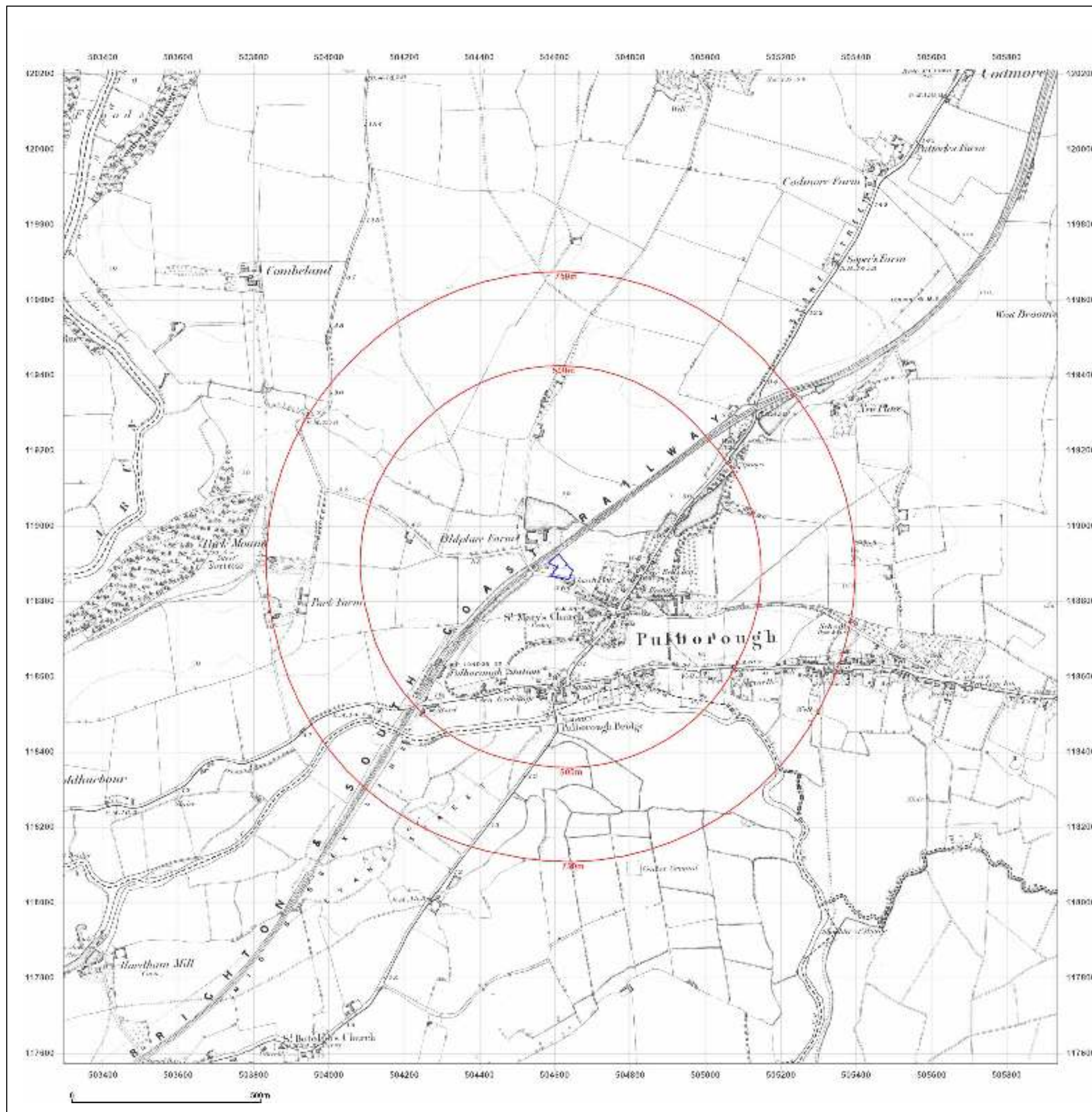
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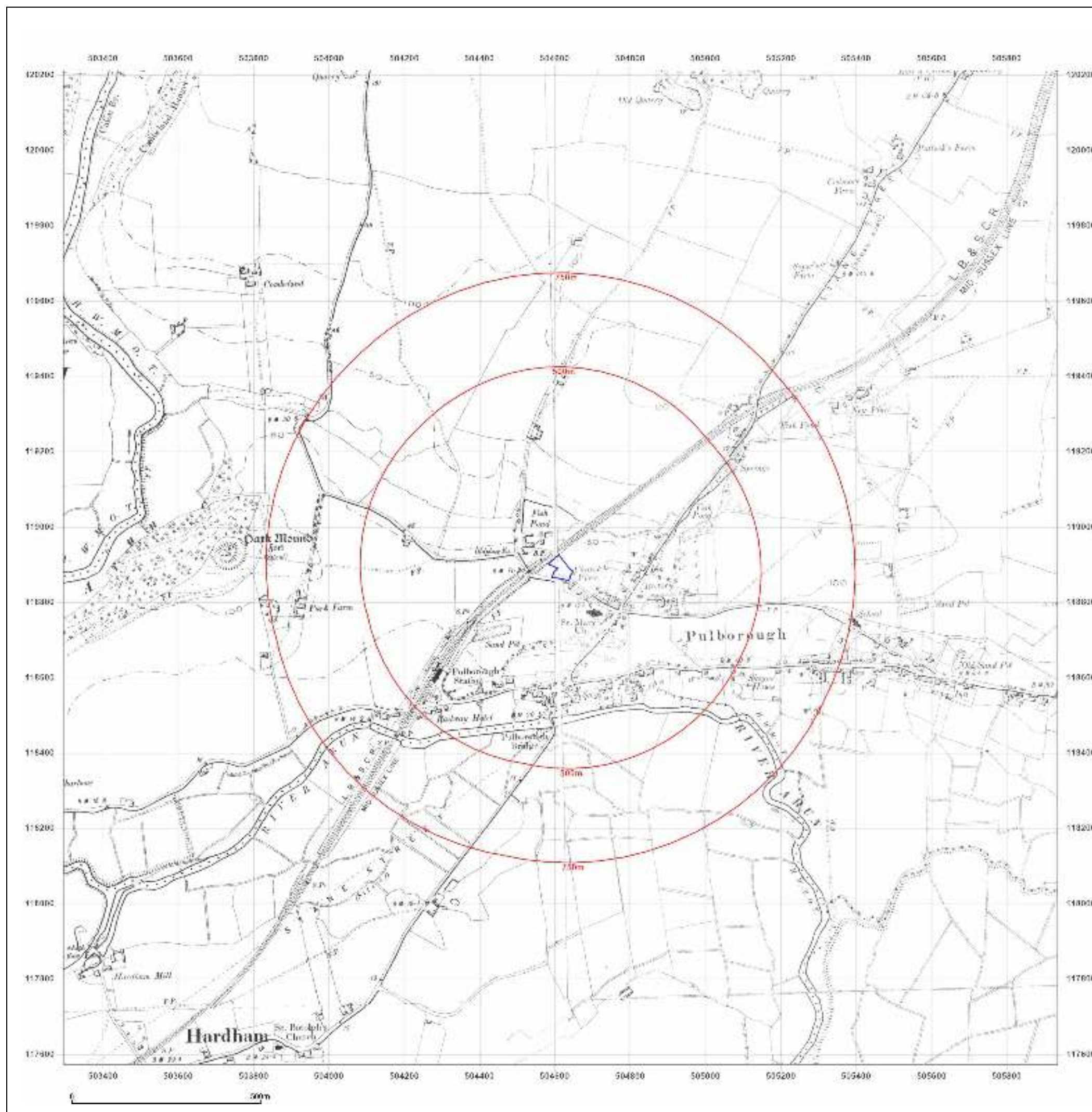


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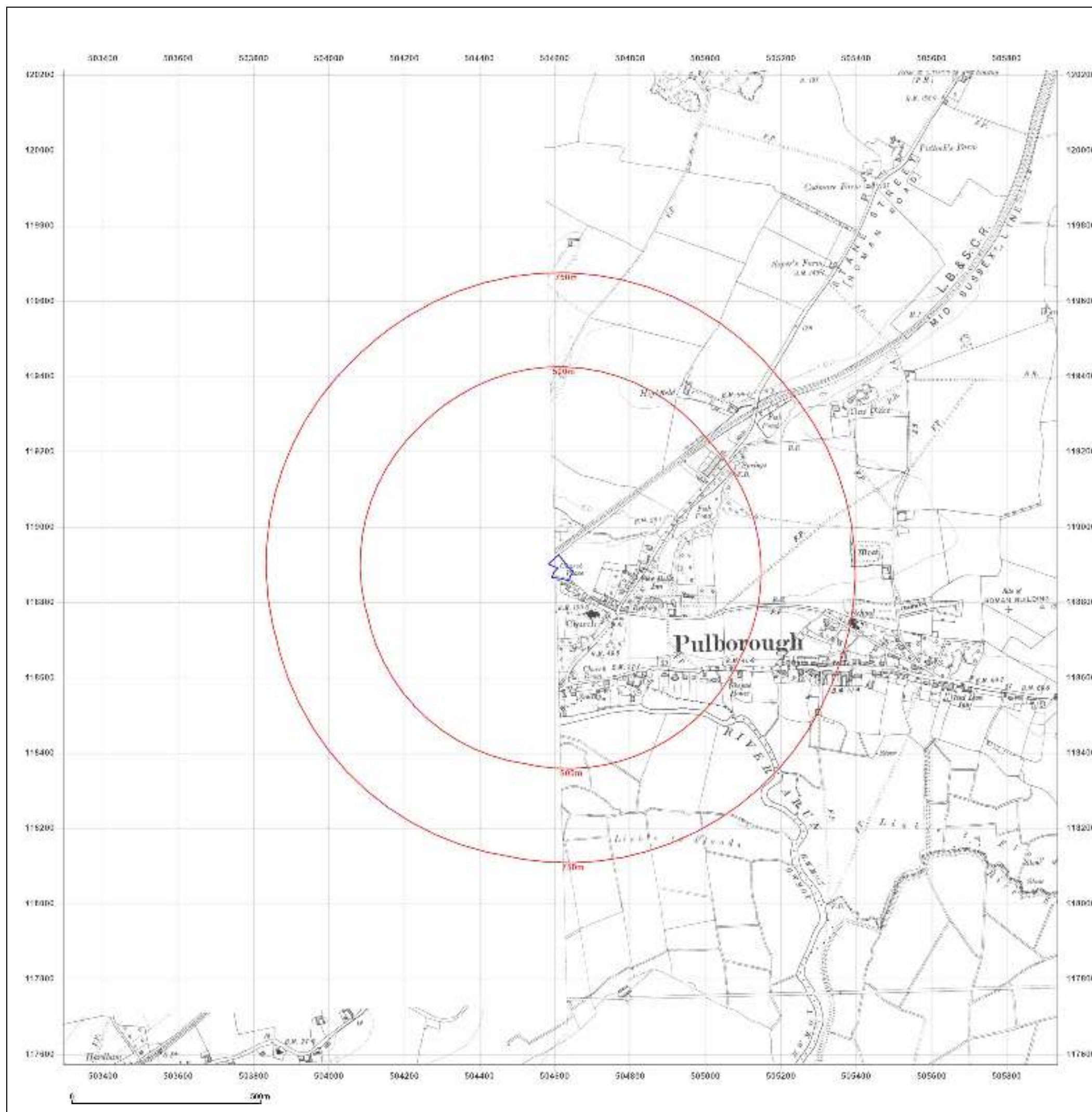


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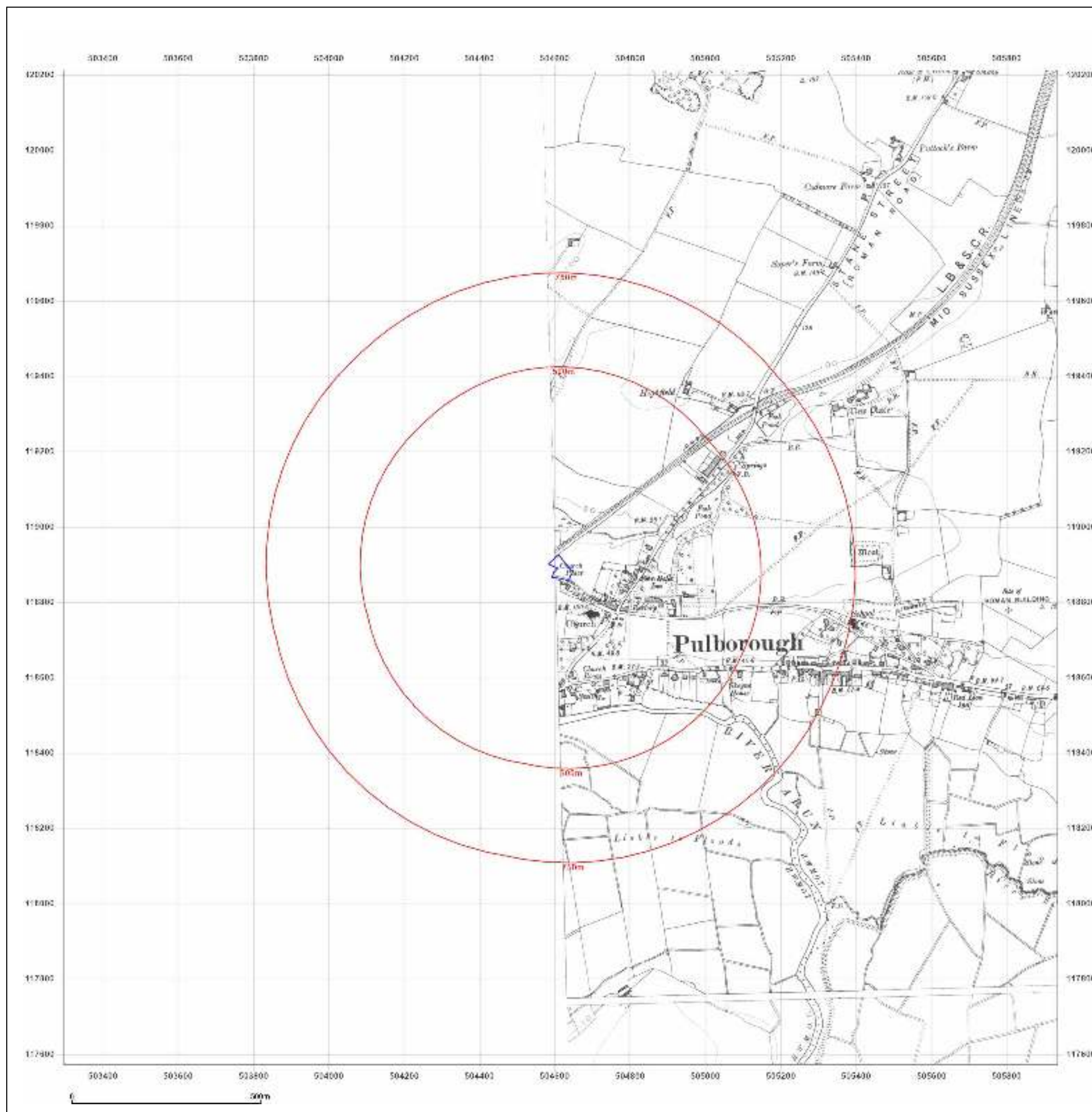


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Map Name: County Series

Map date: 1914

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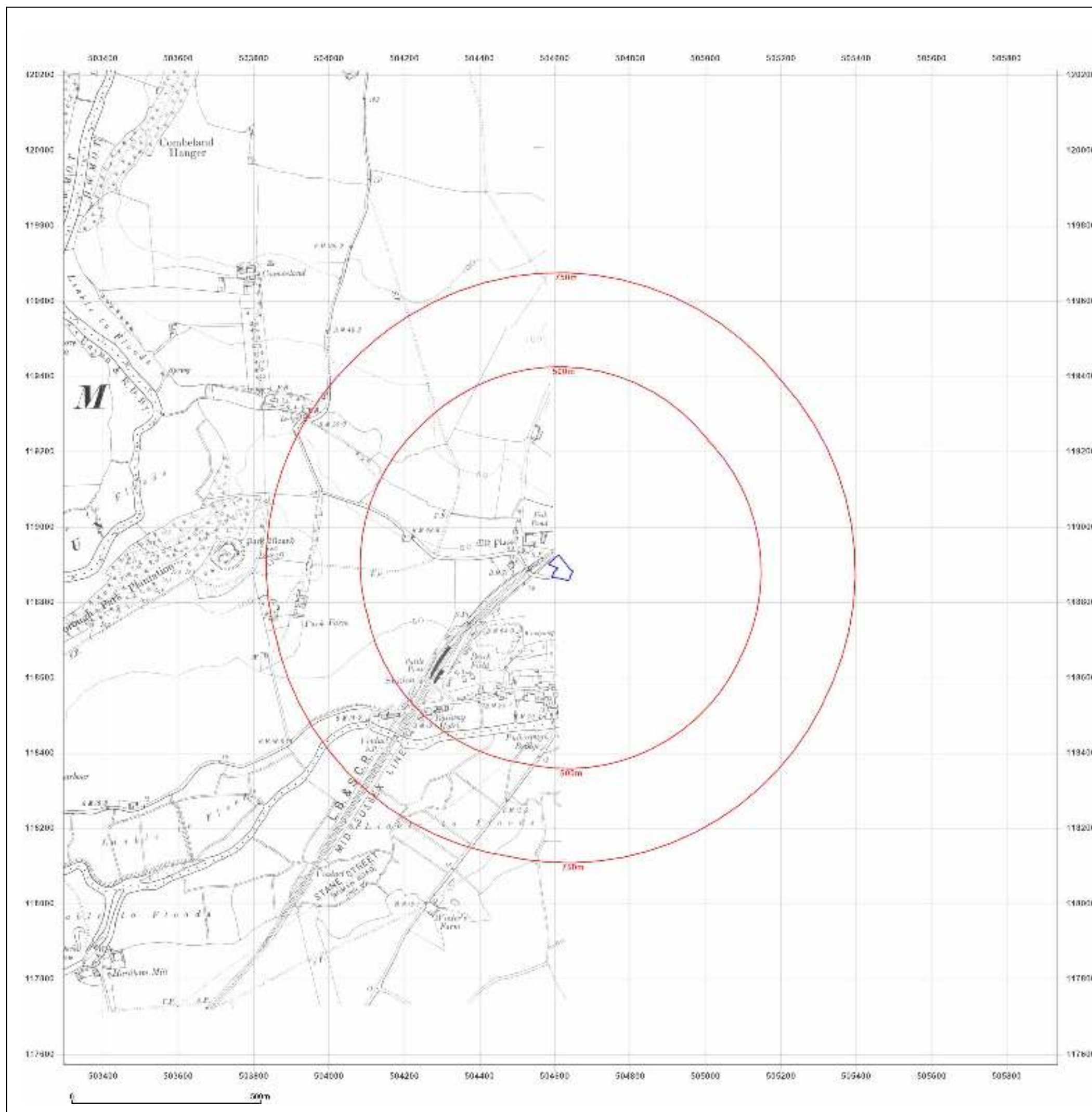


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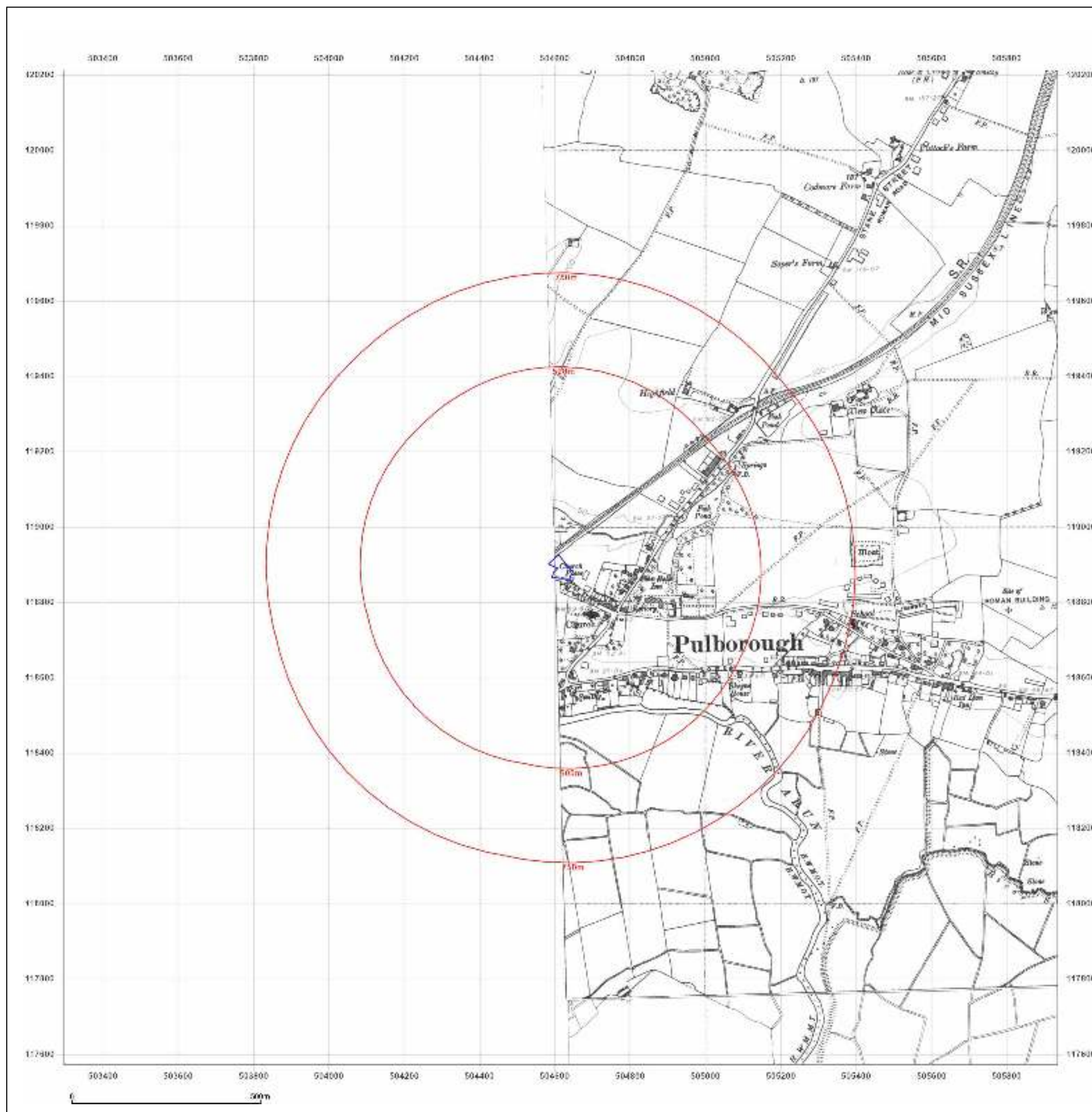


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Map Name: Provisional

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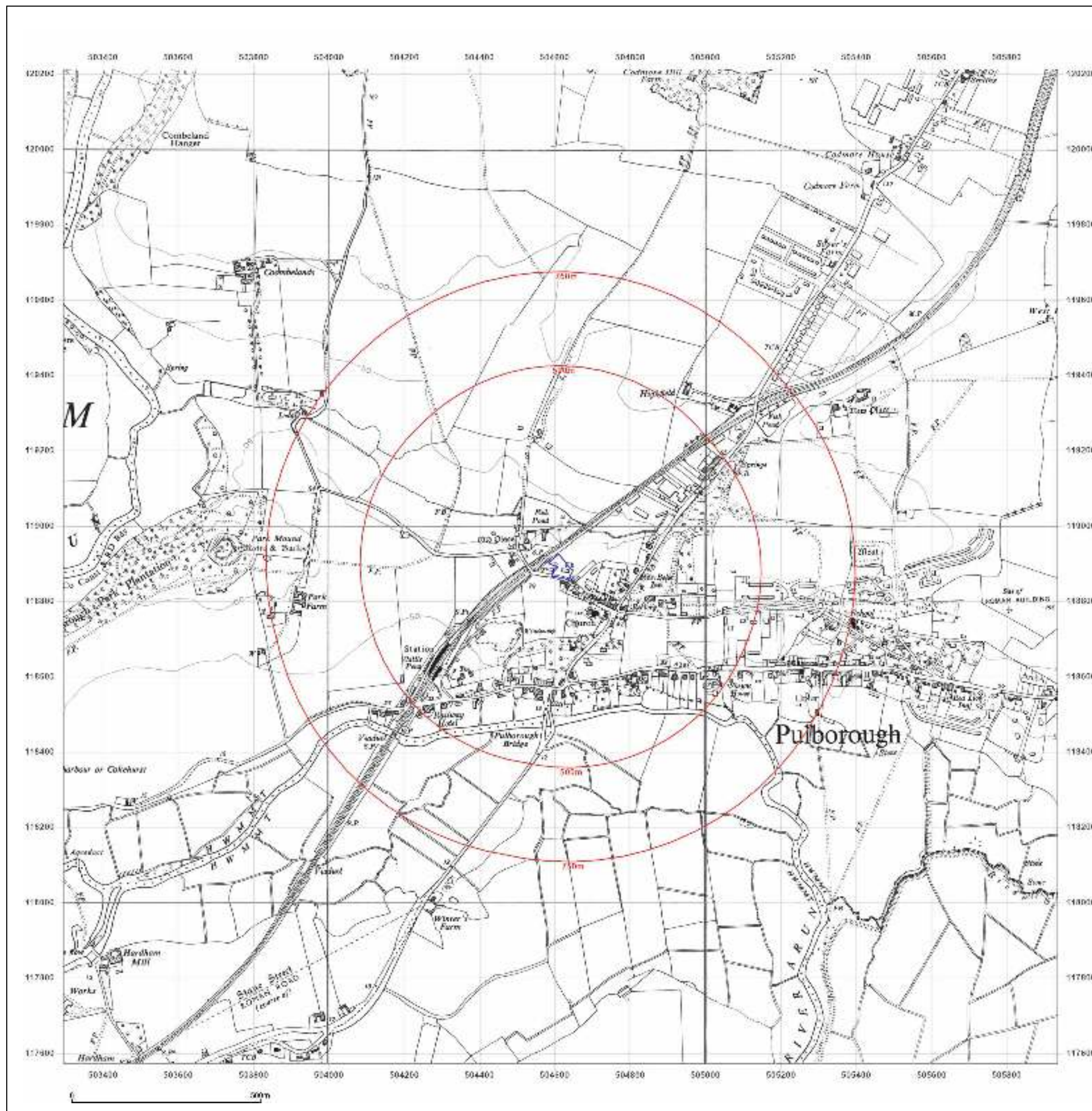
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Grid Ref: 504614, 118892

Map Name: National Grid

Map date: 1976-1981

Scale: 1:10,000

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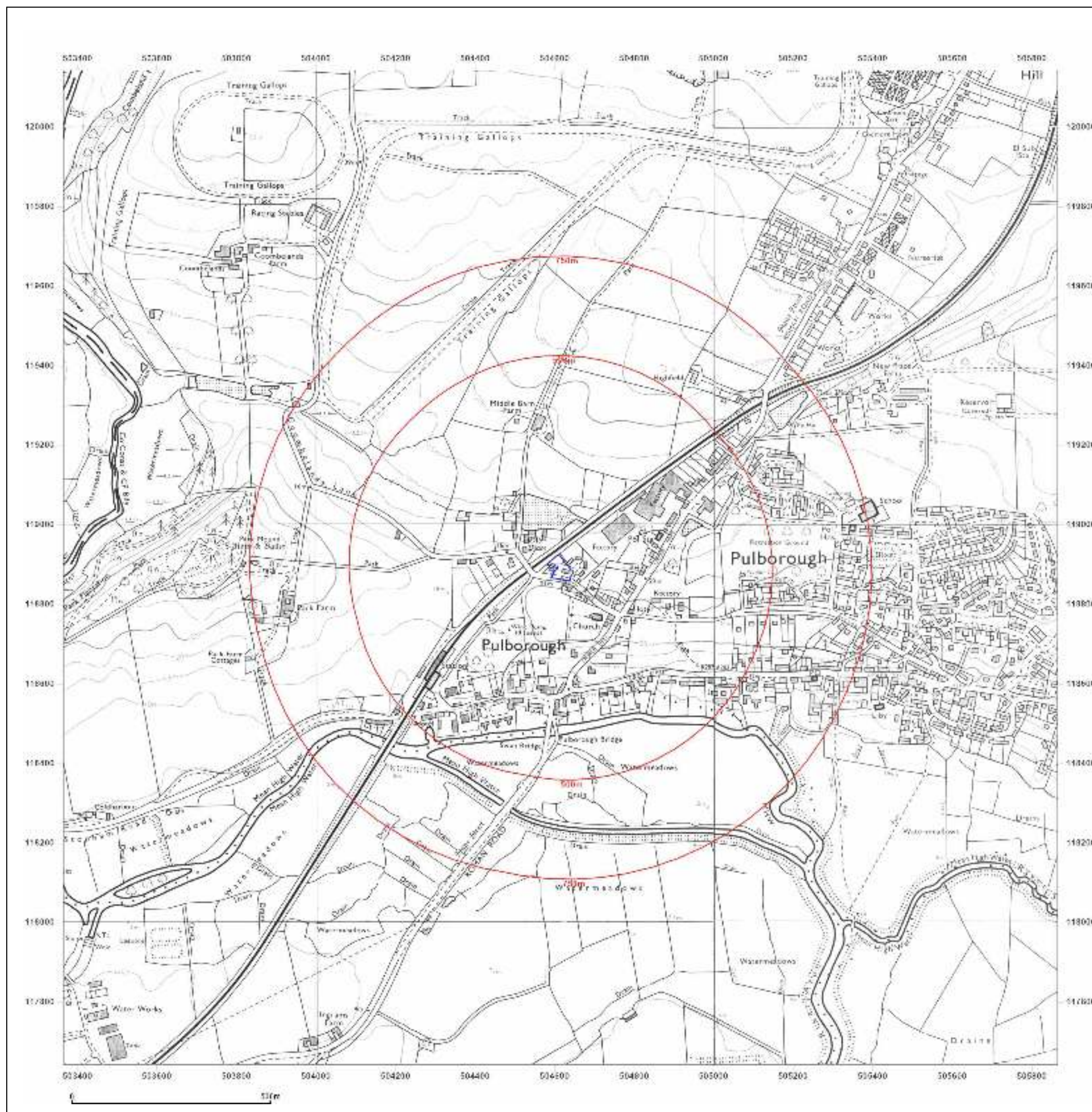


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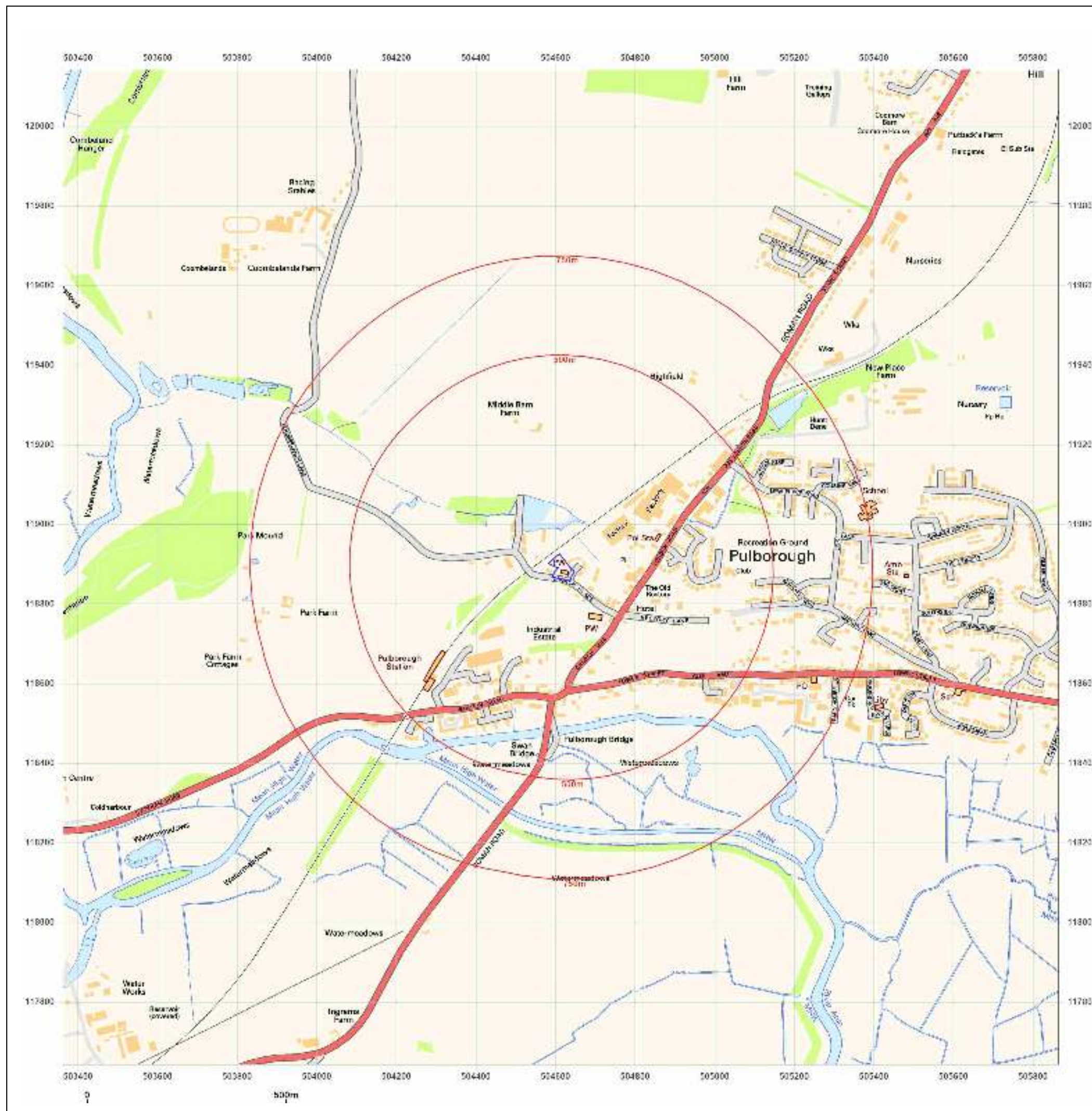
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Report Ref: ALB-8207066
Grid Ref: 504614, 118892

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

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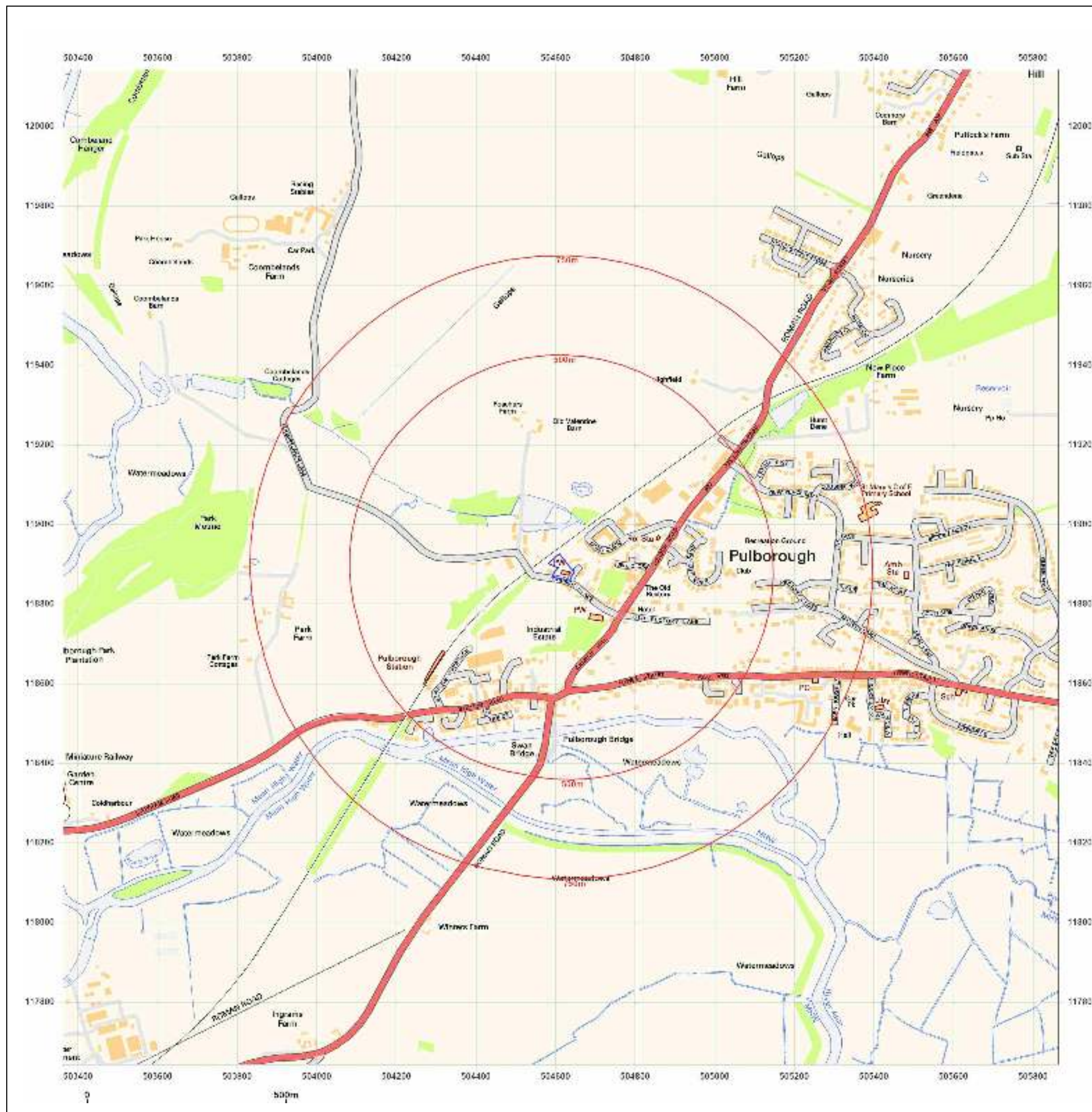
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Map Name: National Grid

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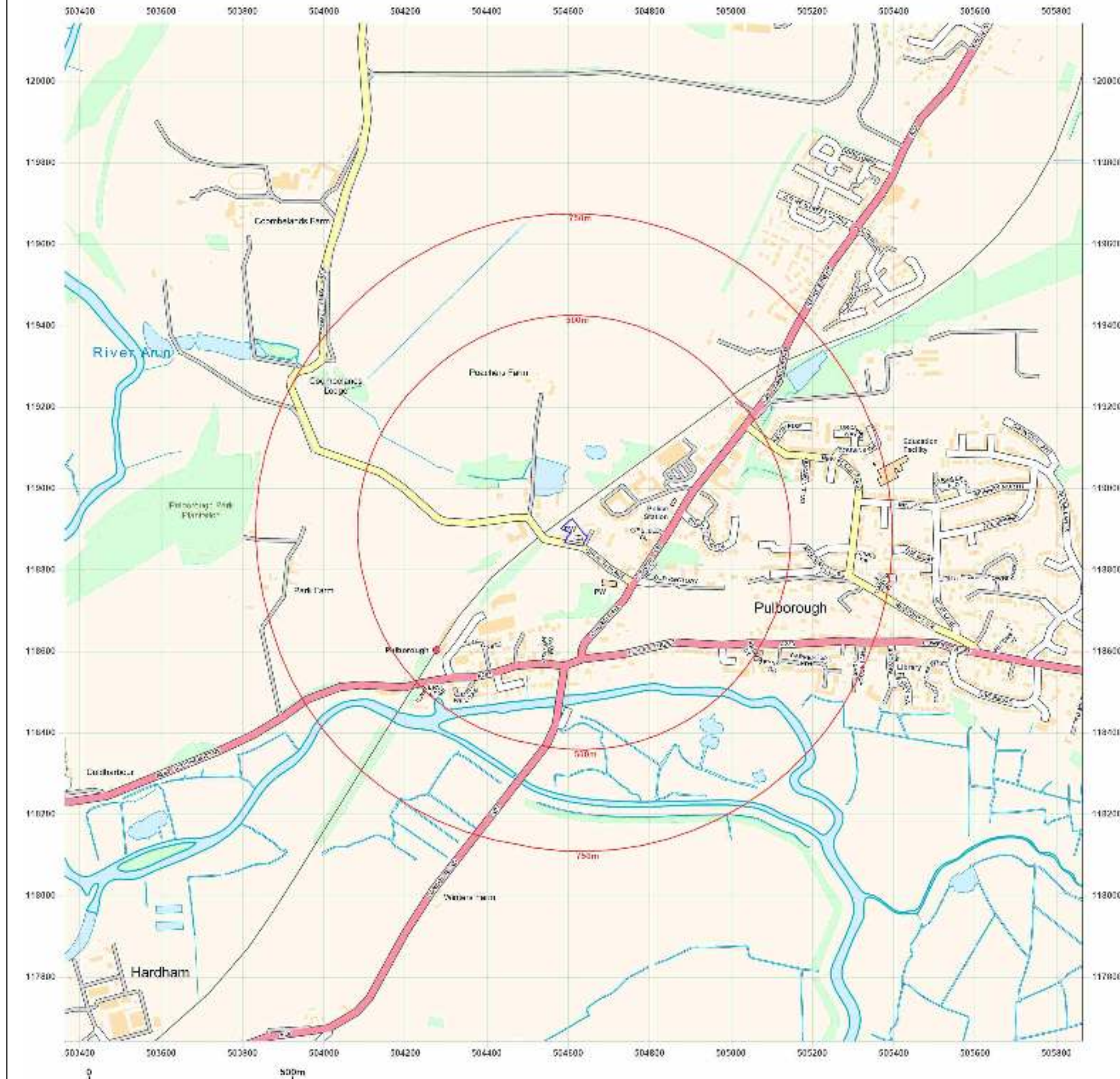
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Report Ref: ALB-8207066
Grid Ref: 504614, 118892

Map Name: National Grid

Map date: 2021

Scale: 1:10,000

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APPENDIX 2

BGS RECORD

WELL BORING at Pulborough

Geol. map

1 in. map New Series 317

County

Sussex.

Made by Duke

6 in. map

Date 1915

Sunk

feet.

Bored

feet.

Communicated by Duke & Ockenden

Height above Ordnance Datum

Rest level of water 14' 9"

Yield

Quality (with copy of analysis on separate sheet)

TQ 01 NW 1/35
0467/884

THICKNESS.

DEPTH.

Feet.

Inches.

Feet.

Inches.

24

115

1

12

6

6

24

142

144

156

—

6

—

—

Sandy clay
Blue clay
Rock
Blue Clay

Not lost from 17 ft down
R.W.

Site near Pulborough church (100 yards north).

Perforated tube 138' to 150'

Information for Messrs. Duke and Ockenden, Ltd.

'Wells & Springs
of Sussex.'

page 1/1

Upper 200

371. CALEDONIA BUNGALOW, 100 yds. N. of church. 1925. Ht. above O.D. about 75 ft. Maps 36 N.W., N.E. 1/4 (22.96-)

Sandy beds
Hydr. beds

Lower Greensand

Sandy clay
Blue clay
Rock
Blue clay

Thickness

Ft.

Depth

Ft.

27

115

1

12

27

142

144

156

F. H. Hensworth Beds

R.L.W. 17 ft. down. Perforated tube 138 ft. to 150 ft. Information from Messrs. Duke and Ockenden, Ltd.

M.H. pp. 22
25/1/12

O.D. + 90. Disused. Sited on 6" map. 21/1/41 B.B.