Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1959-1961**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1961
Revised 1961
Edition N/A
Copyright 1962
Levelled 1959

Surveyed 1961
Revised 1961
Edition 1962
Copyright 1962
Levelled 1959

Surveyed 1961
Revised 1961
Edition N/A
Copyright 1962
Levelled 1959

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1969
Levelled 1963

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Production date: 15 July 2021

Map legend available at:
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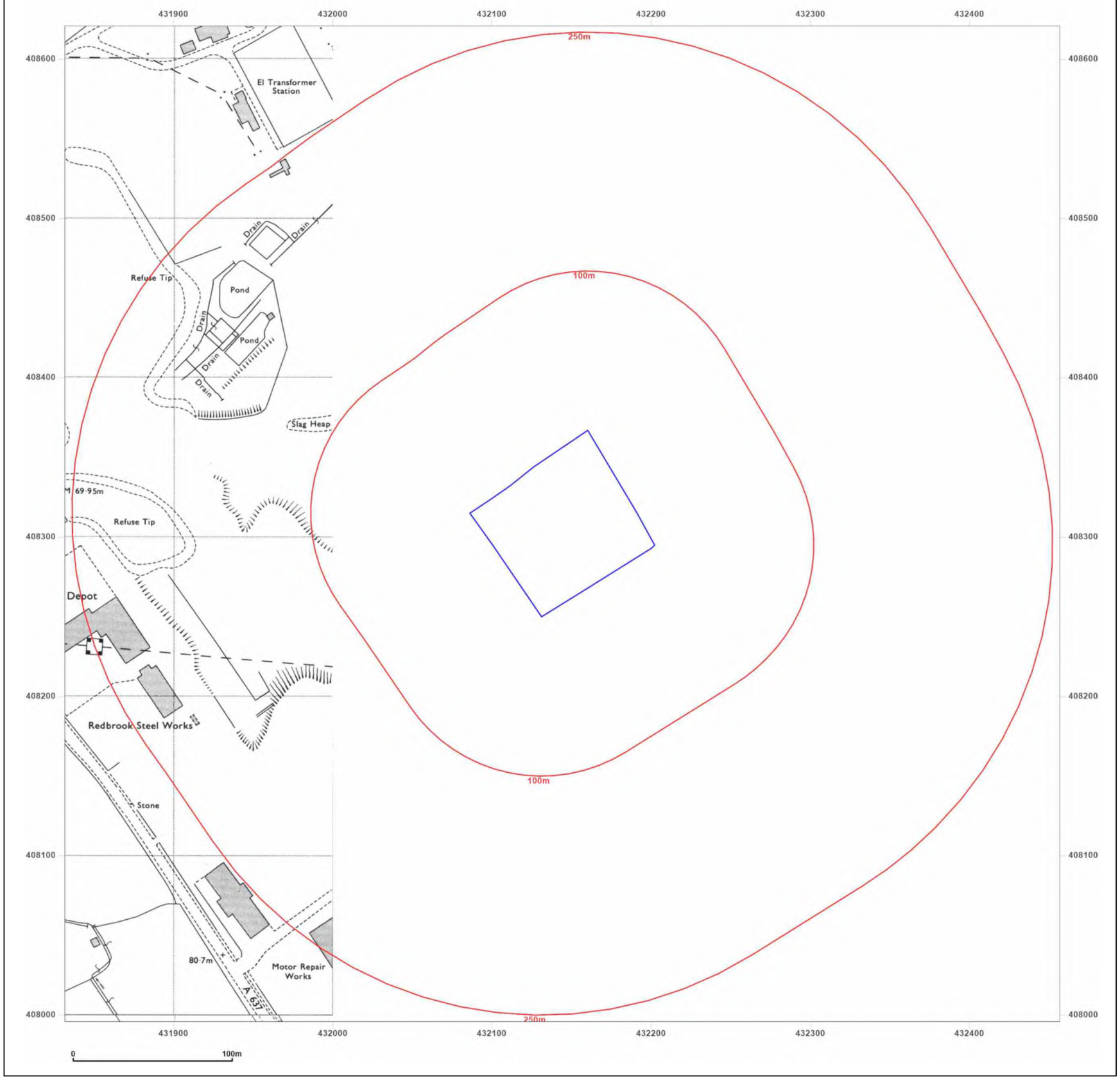

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid
Map date: **1969-1970**
Scale: 1:2,500
Printed at: 1:2,500

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Surveyed 1970
Revised 1970
Edition N/A
Copyright 1971
Levelled 1963

Surveyed 1969
Revised 1969
Edition N/A
Copyright 1970
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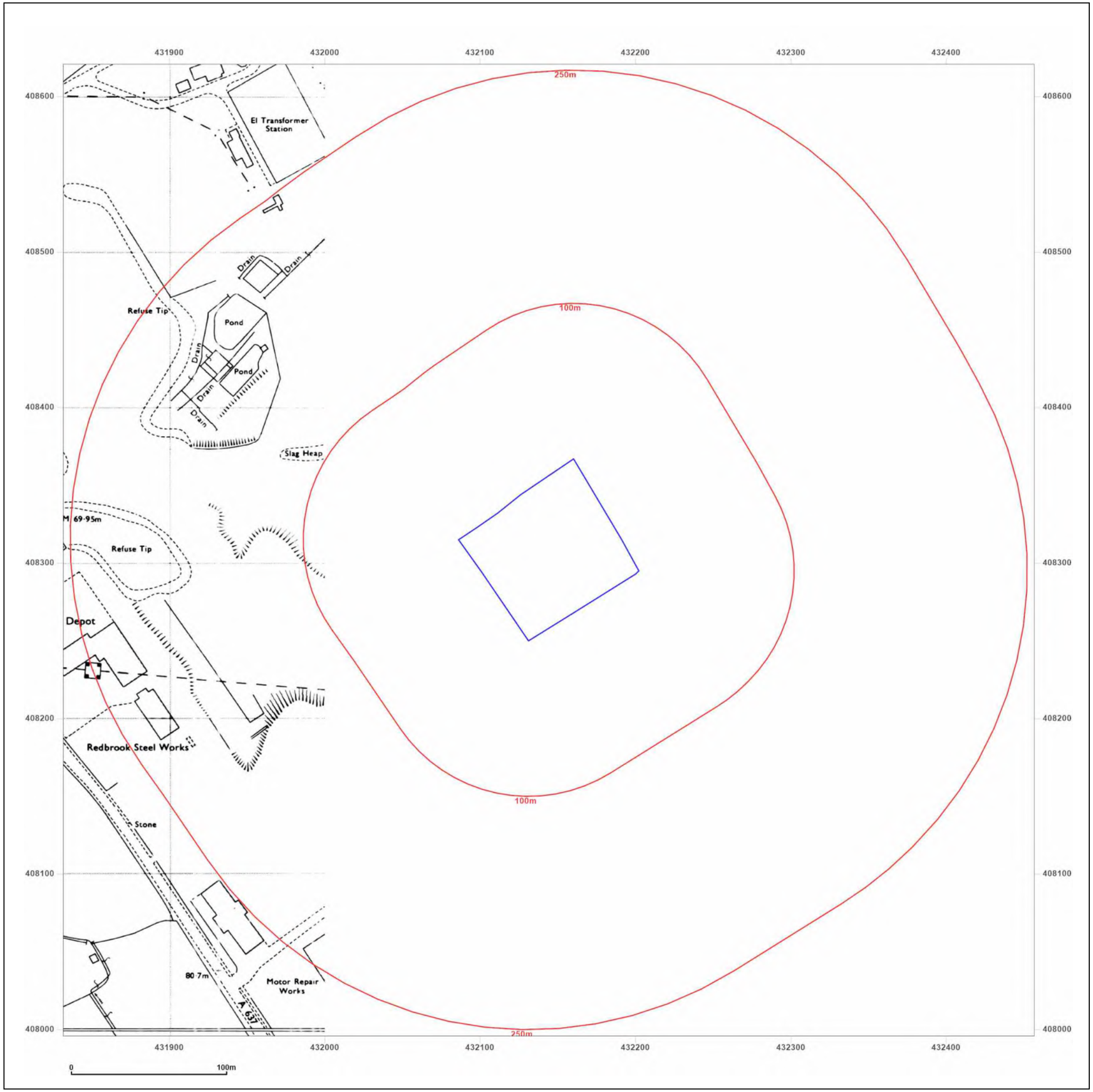

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid
Map date: **1970-1971**
Scale: 1:2,500
Printed at: 1:2,500

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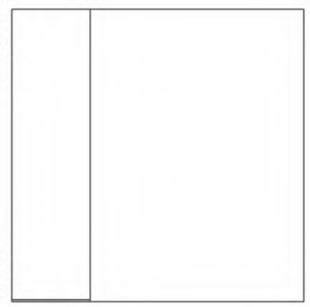
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



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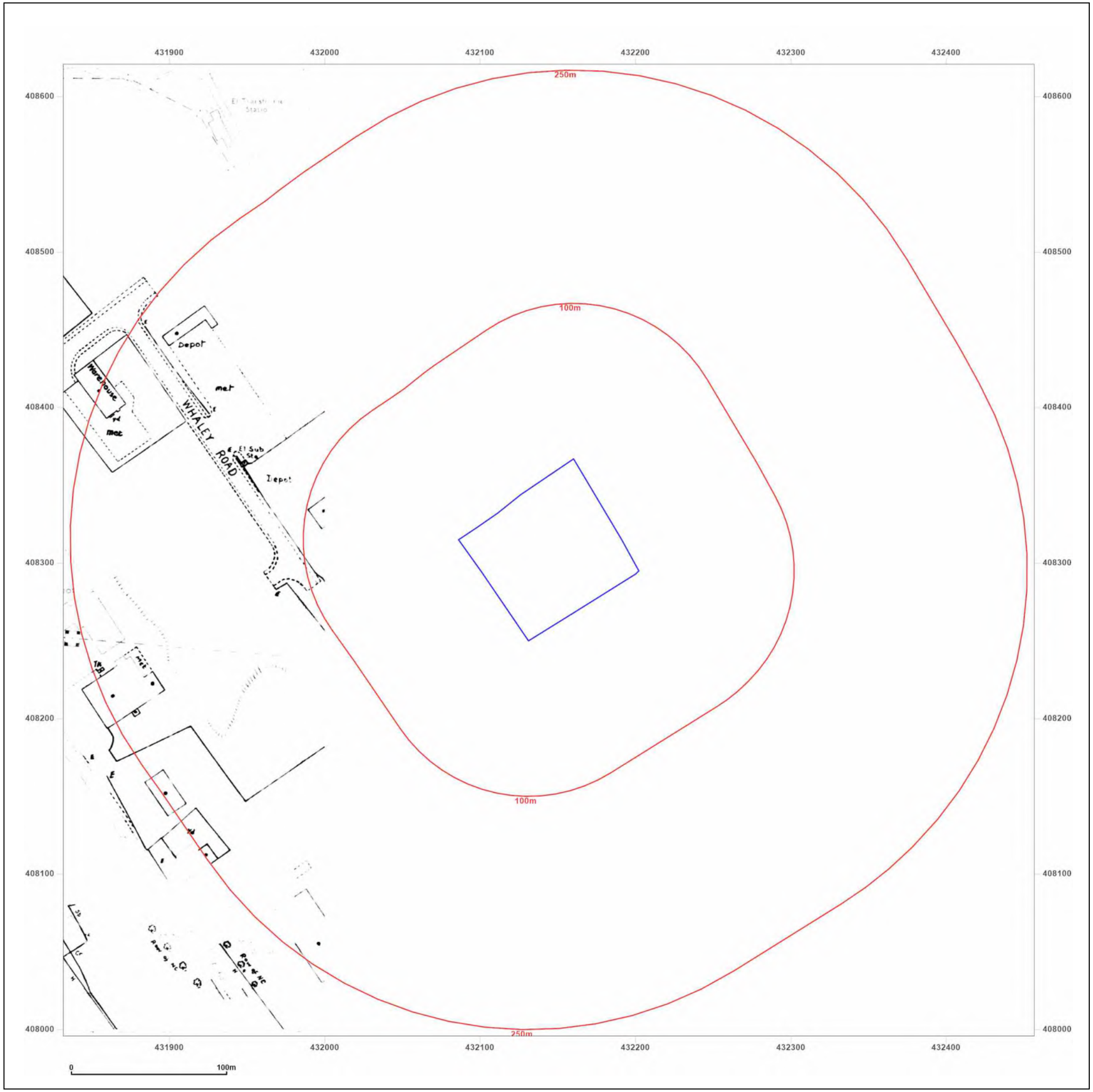

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1973-1978**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed N/A
Revised N/A
Edition N/A
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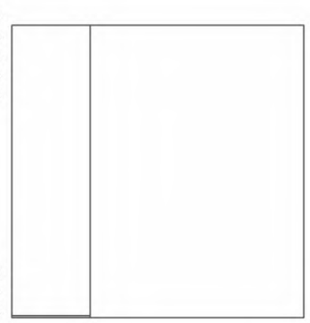
Levelled N/A



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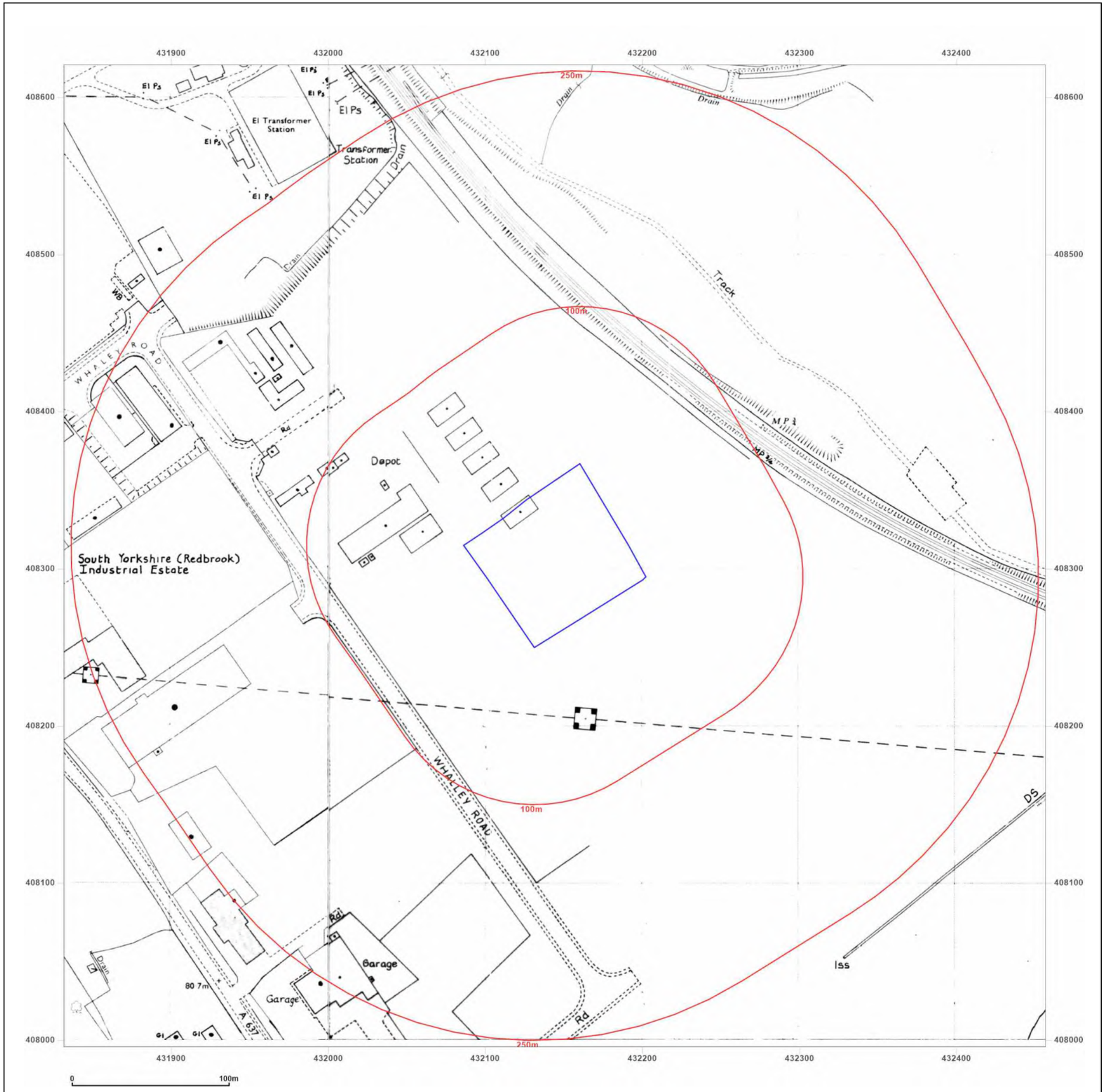

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid
Map date: **1987-1989**
Scale: 1:2,500
Printed at: 1:2,500

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Copyright 1989
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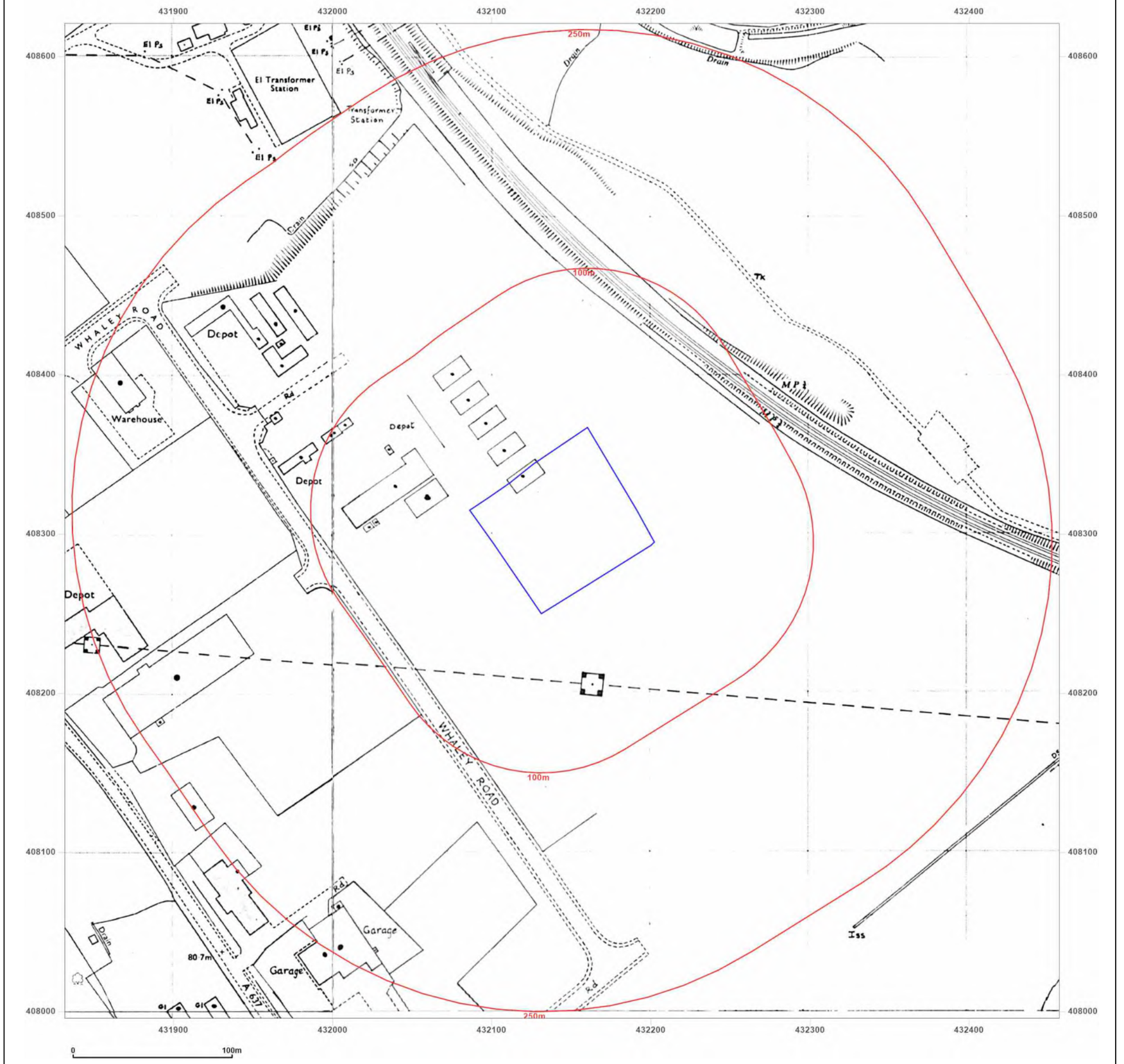

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1986-1991**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1963
Revised 1987
Edition N/A
Copyright 1987
Levelled 1963

Surveyed 1963
Revised 1986
Edition N/A
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Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid
Map date: **1991-1993**
Scale: 1:2,500
Printed at: 1:2,500

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Surveyed 1963	Surveyed N/A
Revised 1991	Revised N/A
Edition N/A	Edition N/A
Copyright 1991	Copyright 1993
Levelled 1963	Levelled N/A

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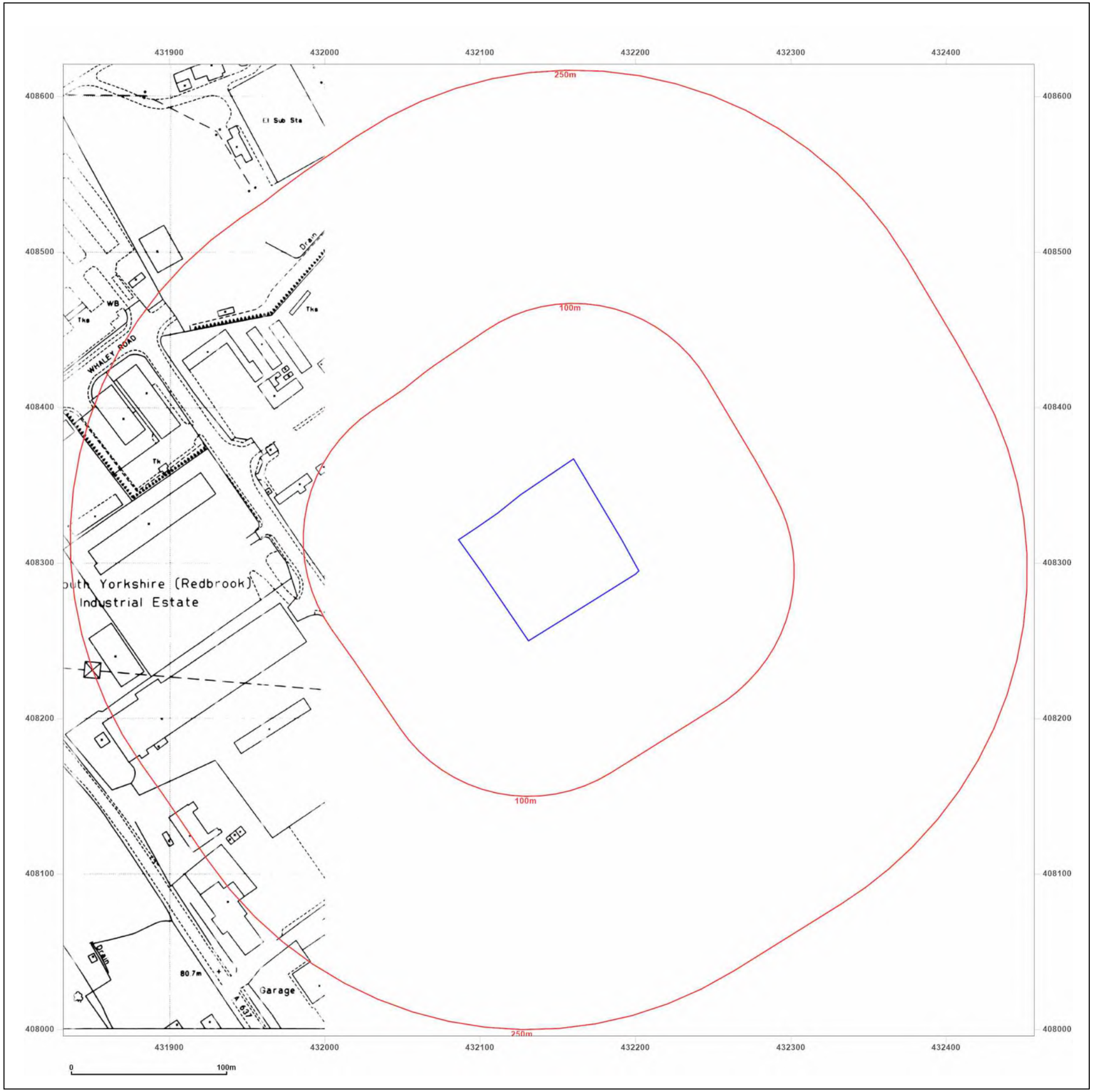

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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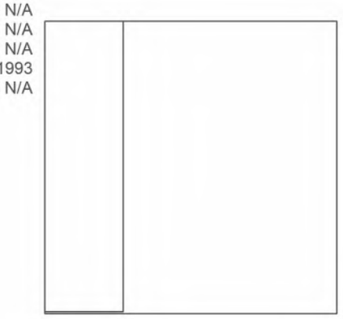
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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Production date: 15 July 2021

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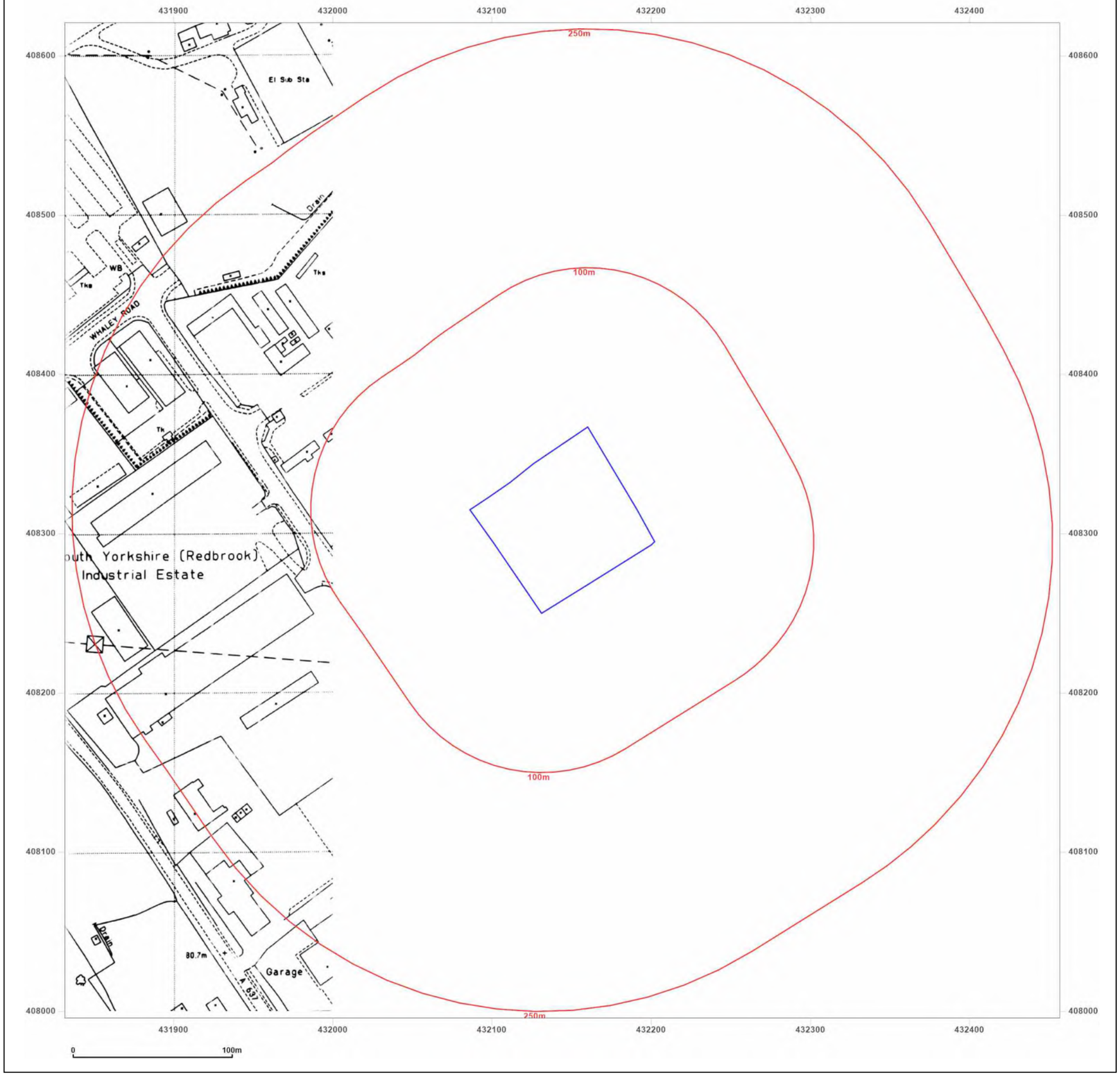

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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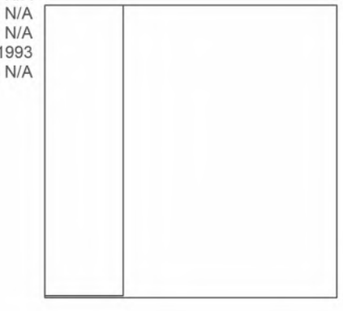
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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Production date: 15 July 2021

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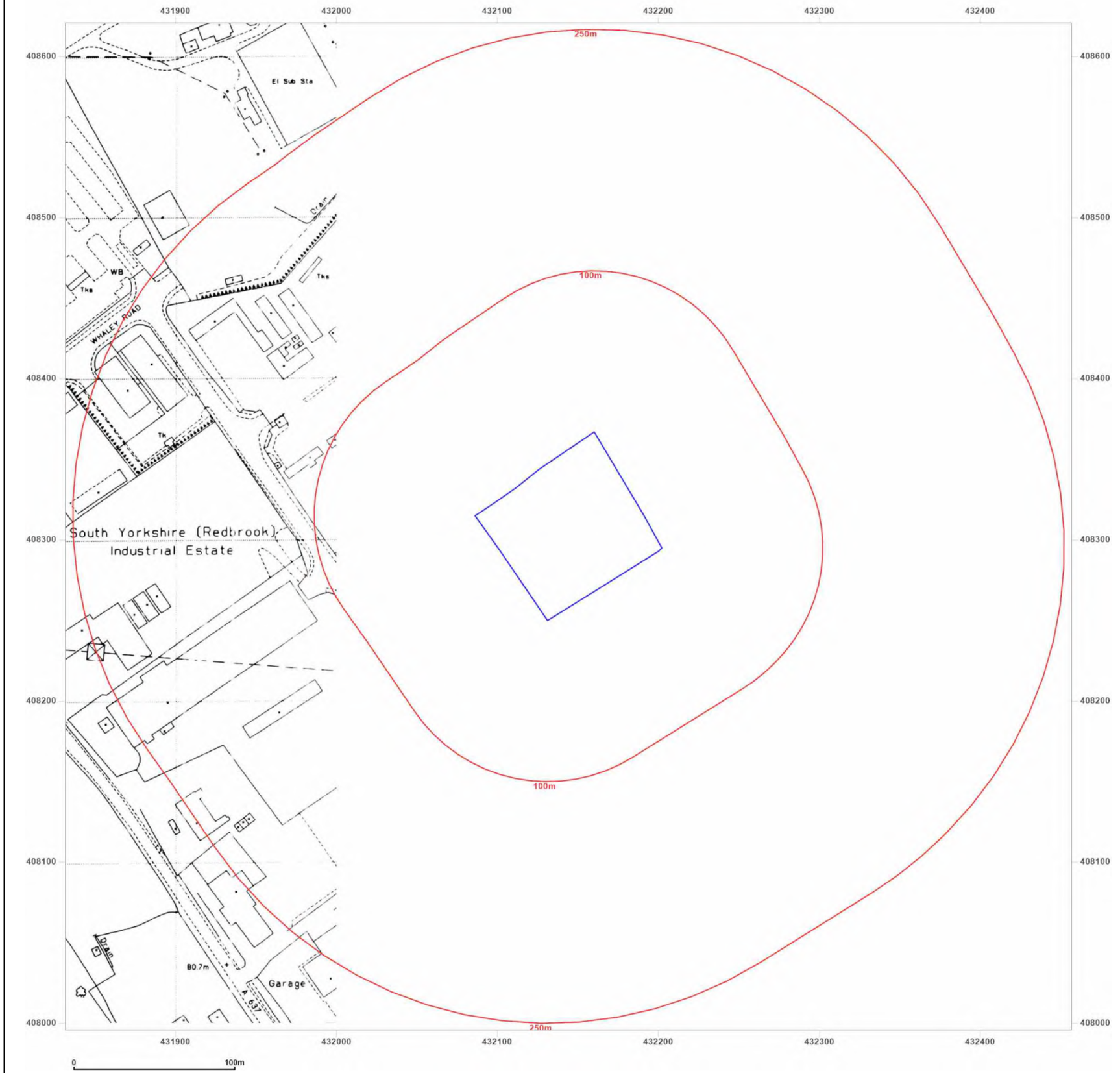

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid
Map date: **1993**
Scale: 1:2,500
Printed at: 1:2,500

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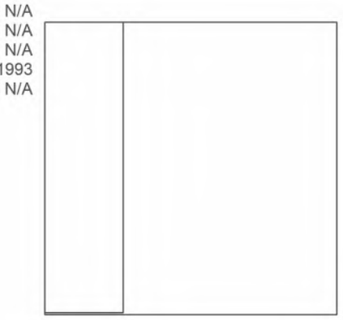
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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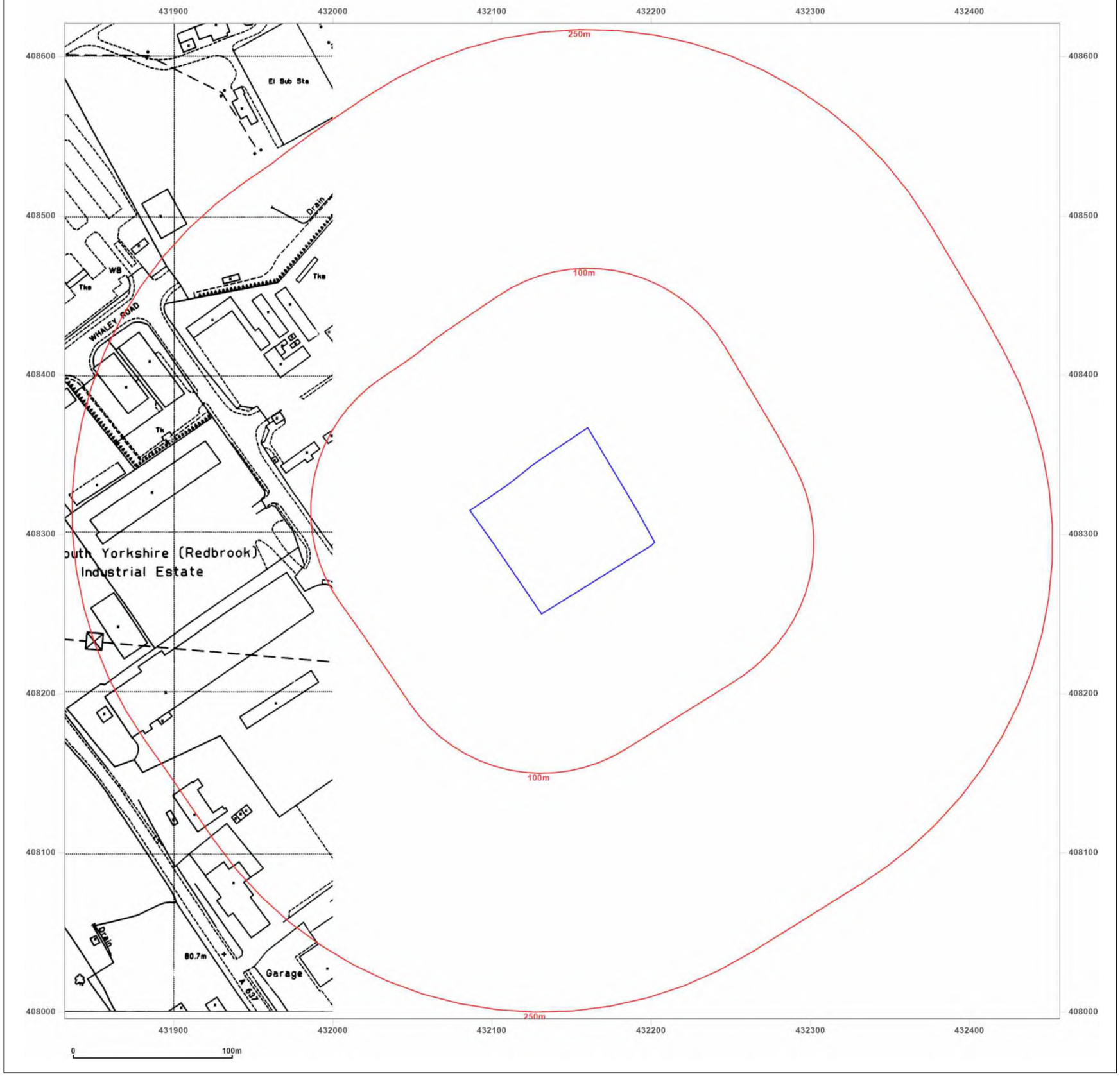

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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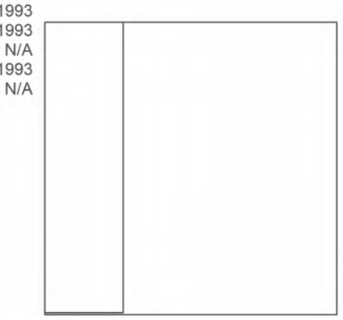
Surveyed 1993
Revised 1993
Edition N/A
Copyright 1993
Levelled N/A



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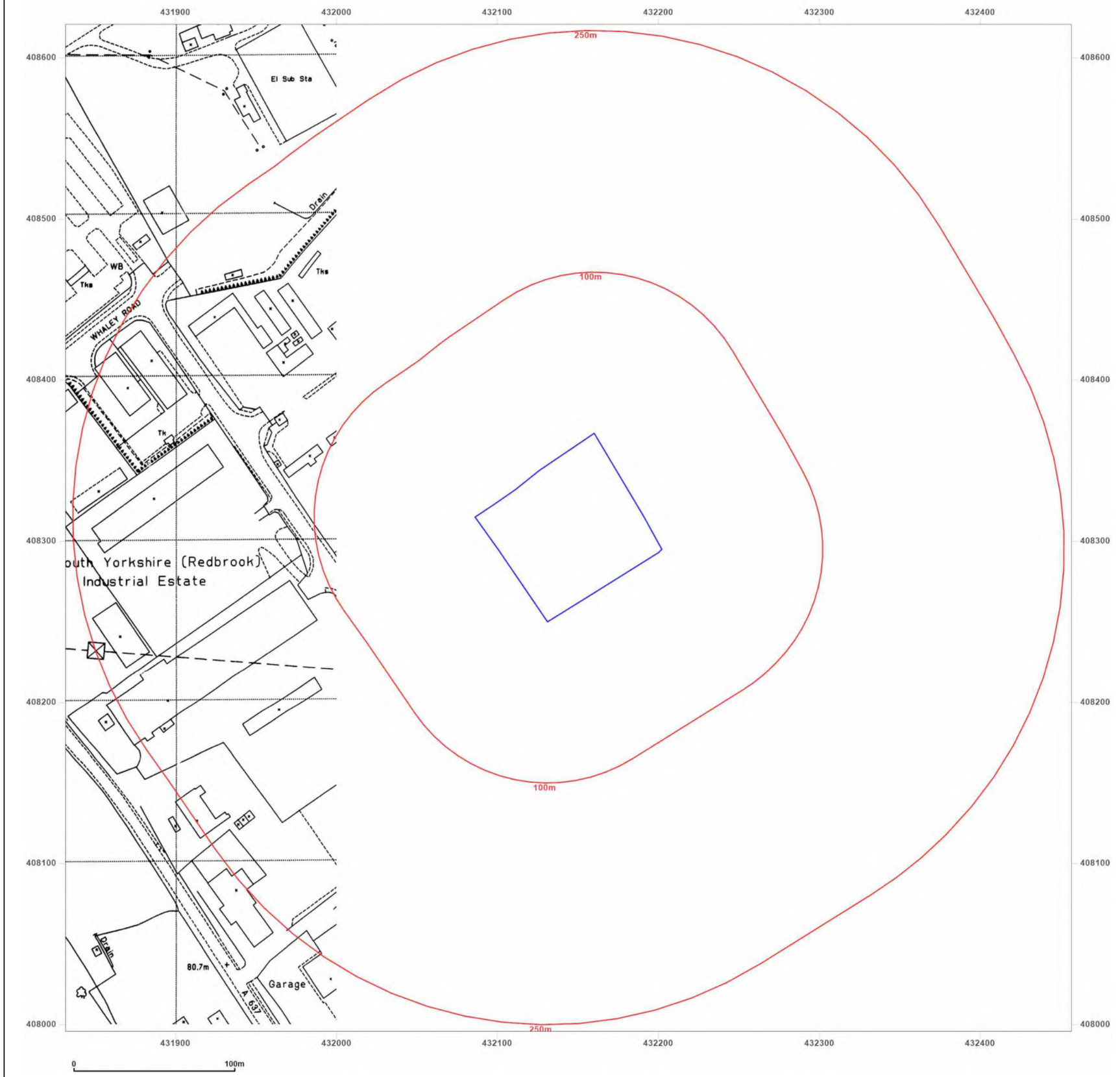
Production date: 15 July 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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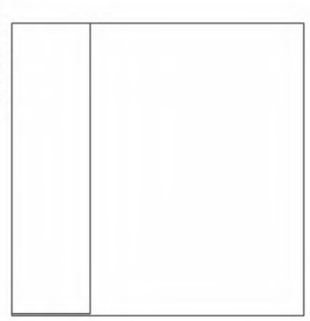
Surveyed 1993
Revised 1993
Edition N/A
Copyright 1993
Levelled N/A



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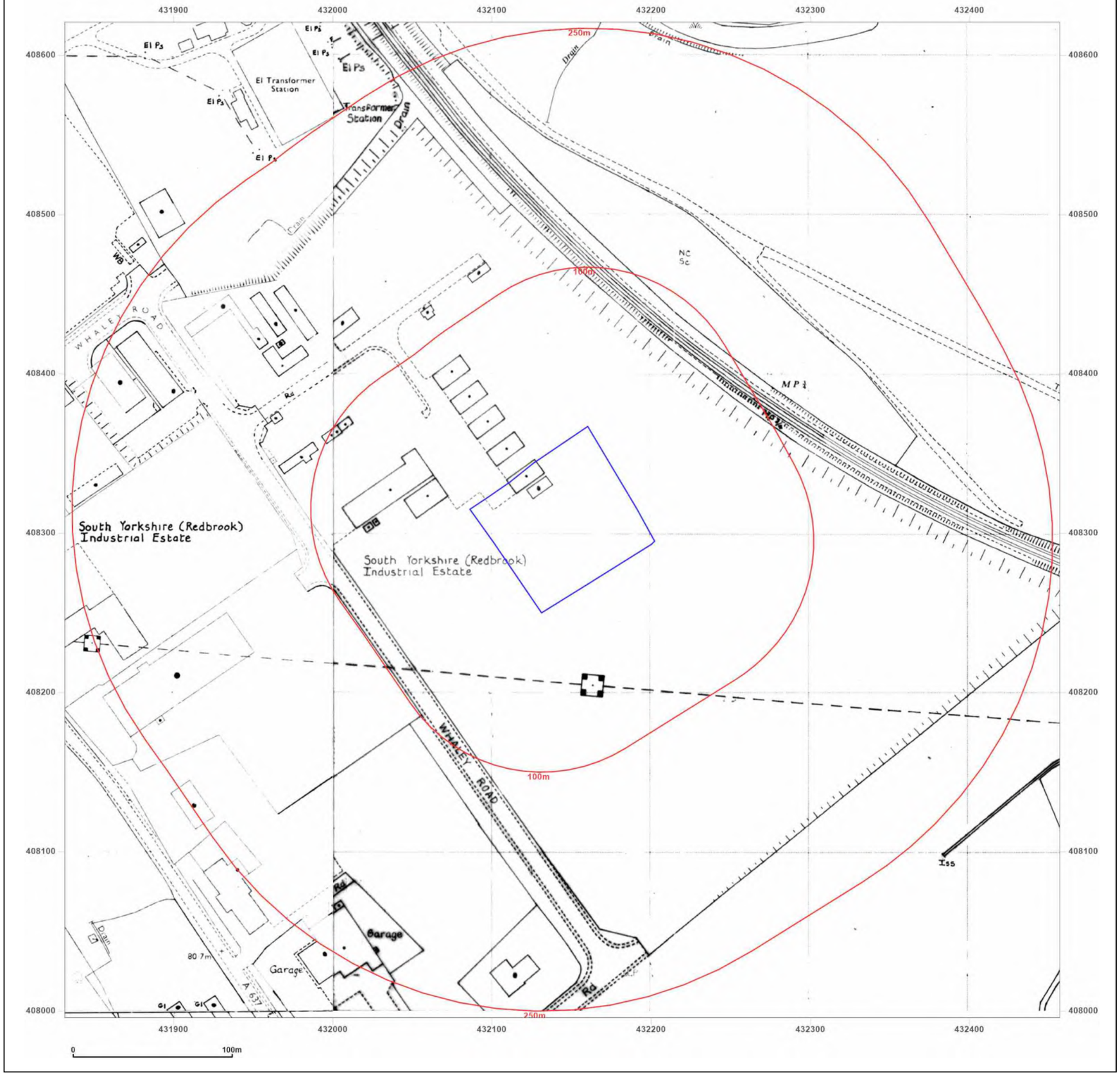
Production date: 15 July 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1963
Revised 1990
Edition N/A
Copyright 1990
Levelled 1963

Surveyed 1963
Revised 1991
Edition N/A
Copyright 1991
Levelled 1963

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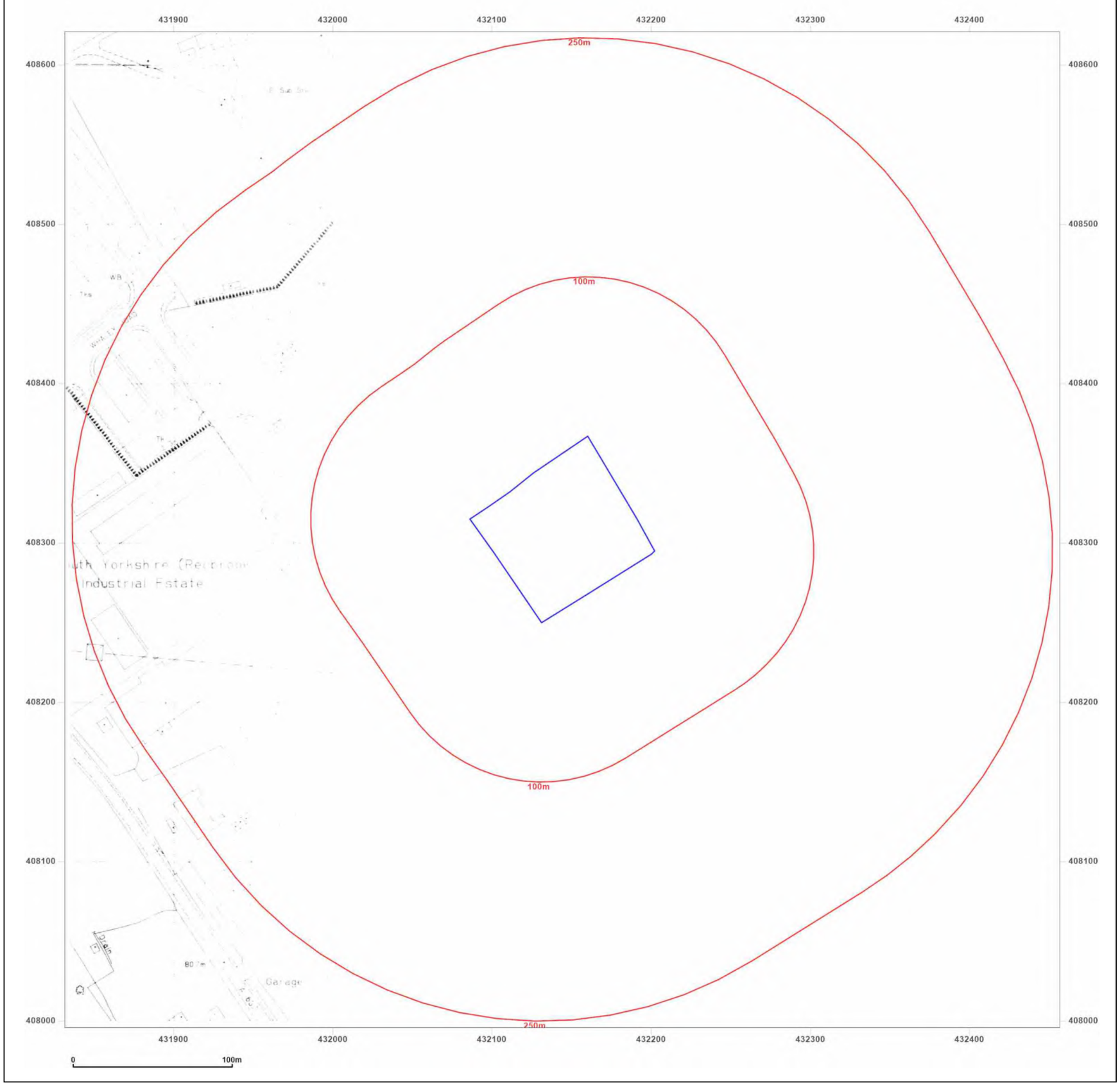

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: National Grid

Map date: **1995**

Scale: 1:2,500

Printed at: 1:2,500

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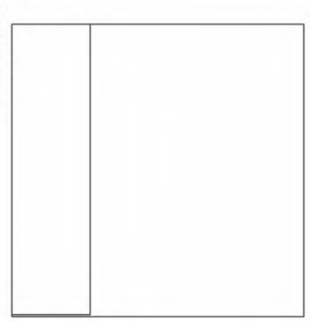
Surveyed 1995
Revised N/A
Edition N/A
Copyright 1995
Levelled N/A



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Production date: 15 July 2021

Map legend available at:
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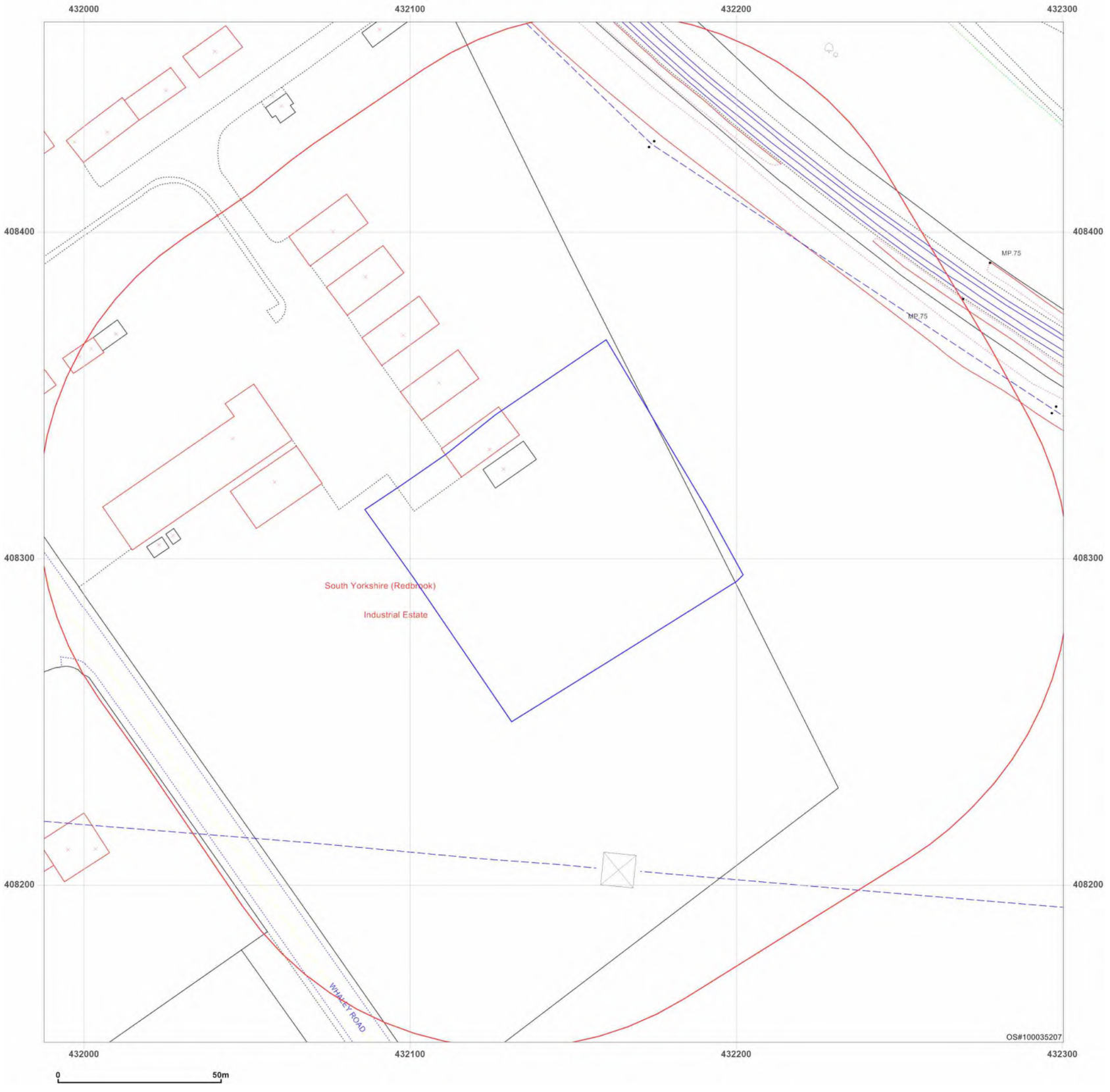

Groundsure INSIGHTS

Site Details:

WHALEY ROAD, BARUGH,
BARNSLEY, S75 1HT

Client Ref: 14-K0030-000-PO140173
Report Ref: GS-8047019
Grid Ref: 432144, 408308

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

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Appendix E – Groundsure® Report

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

WHALEY ROAD, BARUGH, BARNSLEY, S75 1HT

Order Details

Date: 15/07/2021

Your ref: 14-K0030-000-PO140173

Our Ref: GS-8047021

Client: Byrne Looby Partners (UK) Limited

Site Details

Location: 432152 408301

Area: 0.71 ha

Authority: Barnsley Metropolitan Borough Council

Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	6	2	80	48	-
19	1.2	Historical tanks	0	0	4	7	-
19	1.3	Historical energy features	0	0	3	6	-
20	1.4	Historical petrol stations	0	0	0	0	-
20	1.5	Historical garages	0	0	7	5	-
21	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
22	2.1	Historical industrial land uses	8	4	97	55	-
28	2.2	Historical tanks	0	0	9	31	-
30	2.3	Historical energy features	0	0	9	12	-
31	2.4	Historical petrol stations	0	0	0	0	-
31	2.5	Historical garages	0	0	14	8	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
33	3.1	Active or recent landfill	0	0	0	0	-
33	3.2	Historical landfill (BGS records)	0	0	0	0	-
34	3.3	Historical landfill (LA/mapping records)	0	0	2	0	-
34	3.4	Historical landfill (EA/NRW records)	1	0	4	3	-
36	3.5	Historical waste sites	1	1	0	0	-
36	3.6	Licensed waste sites	0	2	0	0	-
37	3.7	Waste exemptions	0	5	10	2	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
39	4.1	Recent industrial land uses	1	1	19	-	-
41	4.2	Current or recent petrol stations	0	0	0	1	-
41	4.3	Electricity cables	0	0	0	0	-
41	4.4	Gas pipelines	0	0	0	0	-
42	4.5	Sites determined as Contaminated Land	0	0	0	0	-

42	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
42	4.7	Regulated explosive sites	0	0	0	0	-
42	**4.8**	**Hazardous substance storage/usage**	0	1	0	0	-
43	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
43	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
43	**4.11**	**Licensed pollutant release (Part A(2)/B)**	0	0	4	4	-
44	**4.12**	**Radioactive Substance Authorisations**	0	0	0	1	-
44	**4.13**	**Licensed Discharges to controlled waters**	0	0	0	2	-
45	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
45	4.15	Pollutant release to public sewer	0	0	0	0	-
45	4.16	List 1 Dangerous Substances	0	0	0	0	-
46	4.17	List 2 Dangerous Substances	0	0	0	0	-
46	**4.18**	**Pollution Incidents (EA/NRW)**	0	0	0	1	-
46	4.19	Pollution inventory substances	0	0	0	0	-
46	4.20	Pollution inventory waste transfers	0	0	0	0	-
47	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
48	**5.1**	**Superficial aquifer**	Identified (within 500m)				
49	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
50	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
51	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
51	5.5	Groundwater vulnerability- local information	None (within 0m)				
52	5.6	Groundwater abstractions	0	0	0	0	0
52	5.7	Surface water abstractions	0	0	0	0	0
52	5.8	Potable abstractions	0	0	0	0	0
52	5.9	Source Protection Zones	0	0	0	0	-
53	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
54	**6.1**	**Water Network (OS MasterMap)**	1	2	3	-	-

55	**6.2**	**Surface water features**	0	2	2	-	-
55	**6.3**	**WFD Surface water body catchments**	1	-	-	-	-
56	**6.4**	**WFD Surface water bodies**	0	0	0	-	-
56	**6.5**	**WFD Groundwater bodies**	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
57	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
57	7.2	Historical Flood Events	0	0	0	-	-
57	7.3	Flood Defences	0	0	0	-	-
57	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
58	7.5	Flood Storage Areas	0	0	0	-	-
59	7.6	Flood Zone 2	None (within 50m)				
59	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding	
60	8.1	Surface water flooding	Negligible (within 50m)

Page	Section	Groundwater flooding	
61	**9.1**	**Groundwater flooding**	Negligible (within 50m)

Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
62	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
63	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
63	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
63	10.4	Special Protection Areas (SPA)	0	0	0	0	0
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**	**Designated Ancient Woodland**	0	0	0	0	5
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	1	0	1
65	10.12	Proposed Ramsar sites	0	0	0	0	0

66	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**	**Nitrate Vulnerable Zones**	1	0	0	0	1
68	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
69	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
70	11.1	World Heritage Sites	0	0	0	-	-
70	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
70	11.3	National Parks	0	0	0	-	-
70	11.4	Listed Buildings	0	0	0	-	-
71	11.5	Conservation Areas	0	0	0	-	-
71	11.6	Scheduled Ancient Monuments	0	0	0	-	-
71	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
72	**12.1**	**Agricultural Land Classification**	Urban (within 250m)				
73	12.2	Open Access Land	0	0	0	-	-
73	12.3	Tree Felling Licences	0	0	0	-	-
73	12.4	Environmental Stewardship Schemes	0	0	0	-	-
73	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
74	**13.1**	**Priority Habitat Inventory**	0	0	2	-	-
75	13.2	Habitat Networks	0	0	0	-	-
75	13.3	Open Mosaic Habitat	0	0	0	-	-
75	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
76	**14.1**	**10k Availability**	Identified (within 500m)				
77	**14.2**	**Artificial and made ground (10k)**	1	0	1	4	-
79	**14.3**	**Superficial geology (10k)**	0	0	0	1	-

80	14.4	Landslip (10k)	0	0	0	0	-
81	14.5	Bedrock geology (10k)	1	1	3	6	-
82	14.6	Bedrock faults and other linear features (10k)	1	0	12	18	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
84	15.1	50k Availability	Identified (within 500m)				
85	15.2	Artificial and made ground (50k)	1	0	0	5	-
86	15.3	Artificial ground permeability (50k)	1	0	-	-	-
87	15.4	Superficial geology (50k)	0	0	0	1	-
88	15.5	Superficial permeability (50k)	None (within 50m)				
88	15.6	Landslip (50k)	0	0	0	0	-
88	15.7	Landslip permeability (50k)	None (within 50m)				
89	15.8	Bedrock geology (50k)	1	1	3	4	-
90	15.9	Bedrock permeability (50k)	Identified (within 50m)				
90	15.10	Bedrock faults and other linear features (50k)	1	1	5	20	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
92	16.1	BGS Boreholes	4	9	52	-	-
Page	Section	Natural ground subsidence					
96	17.1	Shrink swell clays	Very low (within 50m)				
97	17.2	Running sands	Very low (within 50m)				
99	17.3	Compressible deposits	Very low (within 50m)				
101	17.4	Collapsible deposits	Very low (within 50m)				
102	17.5	Landslides	Very low (within 50m)				
103	17.6	Ground dissolution of soluble rocks	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
105	18.1	Natural cavities	0	0	0	0	-
106	18.2	BritPits	0	0	0	2	-
106	18.3	Surface ground workings	5	4	56	-	-
109	18.4	Underground workings	0	0	0	0	13
110	18.5	Historical Mineral Planning Areas	0	0	0	0	-

110	**18.6**	**Non-coal mining**	1	0	0	0	0
110	18.7	Mining cavities	0	0	0	0	0
110	18.8	JPB mining areas	None (within 0m)				
111	**18.9**	**Coal mining**	Identified (within 0m)				
111	18.10	Brine areas	None (within 0m)				
111	18.11	Gypsum areas	None (within 0m)				
111	18.12	Tin mining	None (within 0m)				
111	18.13	Clay mining	None (within 0m)				

Page	Section	Radon	
112	**19.1**	**Radon**	Between 1% and 3% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
113	**20.1**	**BGS Estimated Background Soil Chemistry**	1	0	-	-	-
113	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
113	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

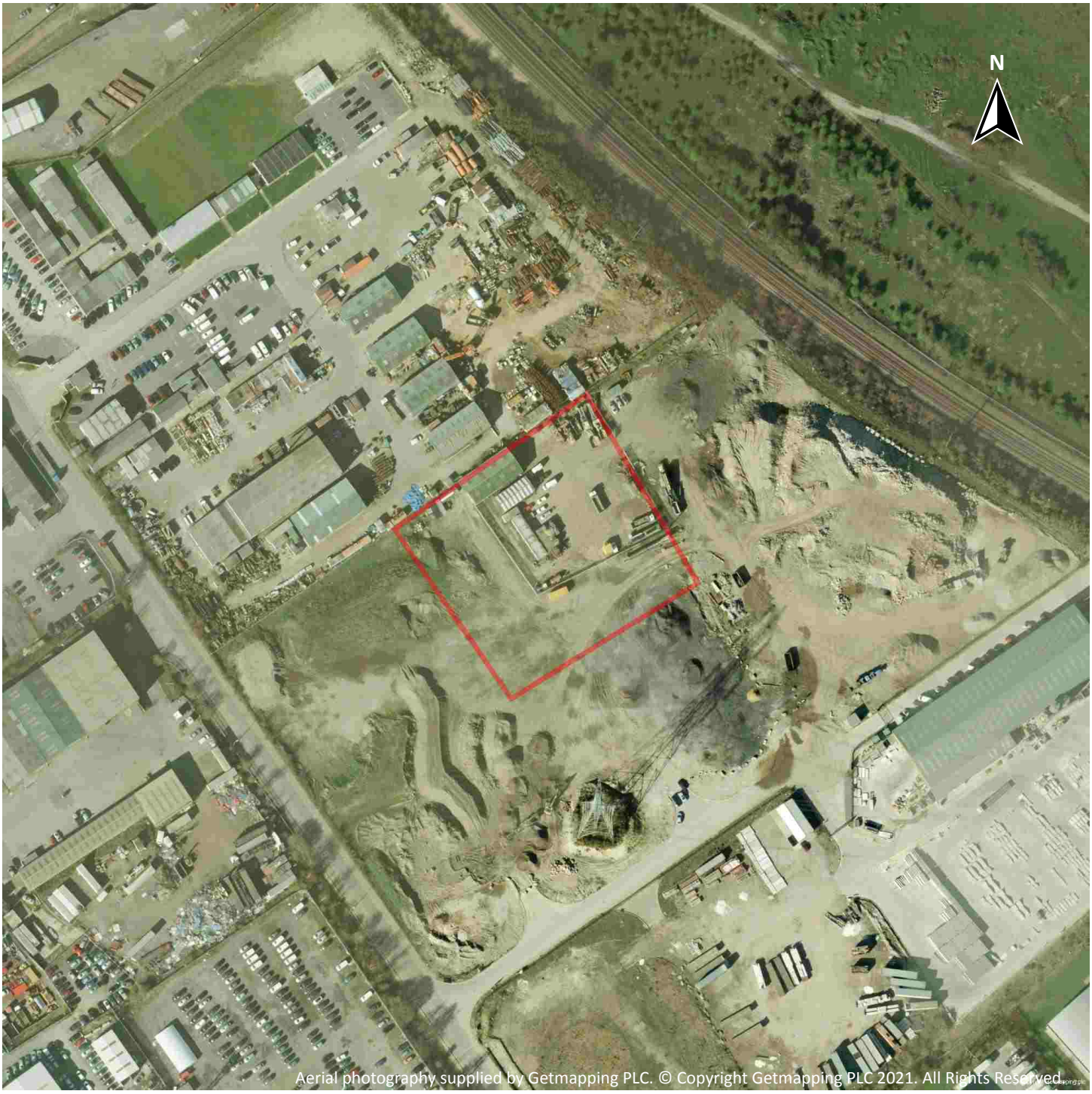
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
114	21.1	Underground railways (London)	0	0	0	-	-
114	21.2	Underground railways (Non-London)	0	0	0	-	-
115	21.3	Railway tunnels	0	0	0	-	-
115	**21.4**	**Historical railway and tunnel features**	1	1	15	-	-
116	21.5	Royal Mail tunnels	0	0	0	-	-
116	21.6	Historical railways	0	0	0	-	-
116	**21.7**	**Railways**	0	0	4	-	-
117	21.8	Crossrail 1	0	0	0	0	-
117	21.9	Crossrail 2	0	0	0	0	-
117	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 29/06/2018

Site Area: 0.71ha

Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.71ha

Recent site history - 2009 aerial photograph

Capture Date: 11/09/2009

Site Area: 0.71ha

Recent site history - 1999 aerial photograph

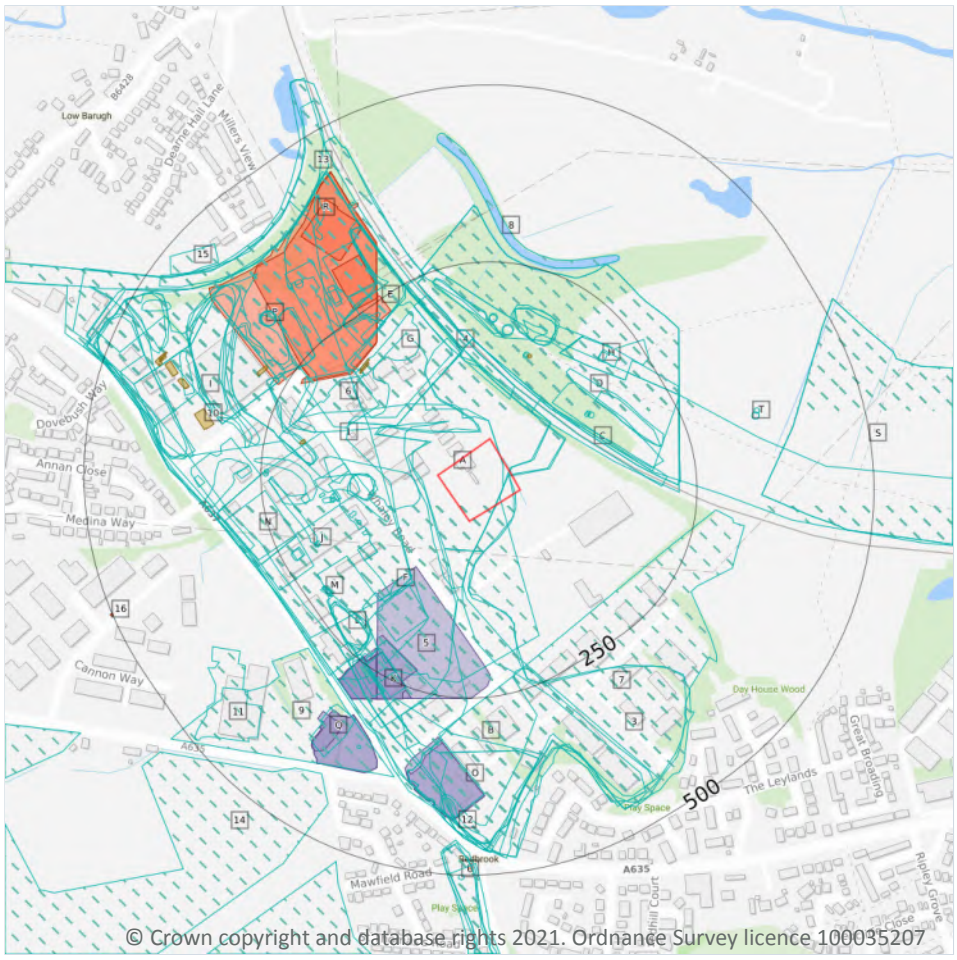
Capture Date: 10/07/1999

Site Area: 0.71ha

OS MasterMap site plan

Site Area: 0.71ha

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	136

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

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

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Works**	**1951**	**1470830**

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Unspecified Disused Tip**	**1973**	**1551997**
3	**On site**	**Refuse Heap**	**1966**	**1538520**
A	**On site**	**Refuse Heap**	**1948 - 1951**	**1461010**
A	**On site**	**Railway Sidings**	**1948 - 1951**	**1466580**
A	**On site**	**Coke and By-Product Works**	**1948**	**1552032**
A	33m SW	Unspecified Pit	1973	1455281
B	41m S	Unspecified Disused Tip	1973 - 1982	1536474
4	63m NE	Cuttings	1993	1410347
A	68m W	Coke and By-Product Works	1929	1463362
C	70m NE	Cuttings	1850	1410349
A	75m W	Railway Sidings	1966	1532555
D	80m NE	Railway Sidings	1929	1511709
A	87m W	Refuse Heap	1929	1525604
D	88m NE	Coalite Works	1929	1528895
D	88m NE	Coalite Works	1948	1538953
A	89m W	Refuse Heap	1948	1539932
E	91m NW	Refuse Heaps	1929	1419476
D	91m NE	Unspecified Commercial/Industrial	1951	1411008
A	92m W	Refuse Heap	1951	1557181
C	102m NE	Unspecified Works	1966 - 1973	1551797
A	112m W	Industrial Estate	1993	1418584
F	114m SW	Refuse Heap	1929	1438002
F	115m SW	Chemical Works	1948 - 1951	1541259
G	118m NW	Refuse Heap	1929	1539579
D	124m NE	Unspecified Tank	1929	1520521
F	124m SW	Chemical Works	1929	1478844
A	125m W	Railway Sidings	1929	1520156
D	126m NE	Unspecified Tank	1948	1523161

ID	Location	Land use	Dates present	Group ID
A	127m SW	Unspecified Tanks	1929	1425815
A	127m SW	Unspecified Tanks	1929	1425814
6	129m NW	Unspecified Depot	1982	1428500
A	132m SW	Unspecified Tanks	1929	1425811
C	132m NE	Unspecified Tank	1929	1528727
C	135m NE	Unspecified Tank	1948	1543122
C	136m NE	Chimney	1966 - 1973	1515005
A	140m W	Unspecified Tanks	1948	1507674
C	143m NE	Refuse Heap	1948	1527983
A	143m W	Unspecified Tanks	1929	1542120
D	144m N	Refuse Heap	1929	1541497
D	147m N	Unspecified Tank	1929	1554472
D	148m N	Refuse Heap	1948	1548044
D	149m N	Unspecified Tank	1948 - 1951	1500301
A	149m W	Unspecified Tanks	1951	1516430
D	150m NE	Refuse Heap	1948	1510641
D	150m NE	Refuse Heap	1951	1509929
A	150m W	Unspecified Tanks	1929	1494224
D	153m NE	Refuse Heap	1929	1478072
C	155m NE	Cuttings	1929	1410348
H	157m NE	Unspecified Works	1951	1438951
A	162m W	Unspecified Tanks	1929	1425813
D	165m N	Unspecified Tank	1929	1546268
D	166m N	Unspecified Tank	1948 - 1951	1530057
I	171m W	Refuse Heaps	1948	1501825
A	172m W	Refuse Heap	1973	1438000
A	175m W	Refuse Heap	1929	1438001
A	177m W	Refuse Heaps	1951	1545300

ID	Location	Land use	Dates present	Group ID
A	183m W	Refuse Heap	1973	1538279
A	184m W	Railway Building	1966	1429082
H	189m NE	Unspecified Tanks	1929	1458961
H	191m NE	Unspecified Tanks	1948 - 1951	1460690
J	191m SW	Unspecified Tank	1948 - 1951	1551201
A	192m SW	Unspecified Ground Workings	1966	1414396
J	193m SW	Unspecified Tanks	1929	1425816
7	197m SE	Unspecified Disused Workings	1993	1455949
L	203m SW	Refuse Heap	1966	1465992
K	205m SW	Unspecified Works	1982	1540083
L	206m SW	Refuse Heap	1951	1536576
L	210m SW	Refuse Heap	1948	1523177
L	212m SW	Refuse Heap	1929	1459431
E	212m NW	Refuse Heap	1951	1515319
J	216m SW	Unspecified Works	1973	1493423
M	216m SW	Unspecified Tanks	1948	1465942
M	217m SW	Unspecified Tanks	1951	1498755
N	217m SW	Unspecified Depot	1973 - 1982	1531763
M	218m SW	Unspecified Tanks	1929	1520064
J	219m SW	Unspecified Tanks	1948	1465423
K	220m SW	Garage	1993	1457794
B	221m S	Refuse Heap	1951	1485921
E	222m NW	Refuse Heap	1948	1543647
J	222m SW	Unspecified Tanks	1929	1499935
K	223m SW	Unspecified Works	1973	1521768
A	239m W	Unspecified Tank	1948	1513804
A	240m W	Unspecified Tank	1929	1518416
K	241m SW	Cuttings	1948 - 1951	1536522

ID	Location	Land use	Dates present	Group ID
K	246m SW	Cuttings	1966	1489731
K	248m SW	Cuttings	1929	1478886
E	248m NW	Unspecified Works	1966	1496188
A	250m W	Unspecified Depot	1982	1428491
I	257m W	Refuse Heap	1973	1511811
8	257m N	Disused Canal	1993	1439413
I	260m NW	Unspecified Commercial/Industrial	1993	1411001
I	260m NW	Unspecified Works	1982	1495660
A	263m W	Railway Building	1966	1429083
I	267m W	Refuse Heaps	1929	1513559
A	268m W	Sandstone Quarry	1850	1451621
O	272m SW	Railway Sidings	1966	1502956
E	274m NW	Cooling Pond	1948	1424992
E	277m NW	Electricity Transformer Station	1973	1531516
N	278m W	Railway Building	1966	1429081
E	281m NW	Electricity Transformer Station	1982 - 1993	1491292
9	290m SW	Unspecified Works	1973 - 1982	1504396
I	292m W	Refuse Heap	1966	1488622
O	311m S	Garage	1993	1457796
I	312m W	Refuse Heap	1951	1541337
P	315m NW	Unspecified Tank	1948	1515335
P	316m NW	Unspecified Tank	1929	1483561
P	316m NW	Unspecified Tank	1951	1490537
Q	319m SW	Garage	1993	1457793
O	326m S	Refuse Heap	1929	1557782
E	328m NW	Chimney	1966	1448385
A	329m W	Railway Building	1966	1429084
S	342m E	Open Workings	1966	1421864

ID	Location	Land use	Dates present	Group ID
S	342m E	Opencast Workings	1973	1423456
T	344m E	Unspecified Tank	1938	1483666
I	345m W	Refuse Heap	1966	1463462
I	346m W	Refuse Heap	1929	1542843
T	349m E	Unspecified Tank	1951	1504438
Q	353m SW	Unspecified Pump	1850	1456721
I	356m W	Refuse Heap	1951	1517269
I	363m W	Railway Buildings	1966	1442115
R	368m NW	Unspecified Ground Workings	1966	1414397
11	371m SW	Unspecified Works	1993	1511822
12	392m S	Refuse Heap	1948	1523639
I	395m NW	Unspecified Depot	1982	1428501
13	397m NW	Railway Sidings	1891 - 1904	1533911
14	413m SW	Opencast Workings	1966	1542560
I	426m NW	Refuse Heaps	1929	1550132
I	430m NW	Refuse Heap	1951	1547443
15	432m NW	Cooling Ponds	1948	1477790
I	446m NW	Refuse Heap	1973	1532278
U	451m S	Linen Works	1904 - 1929	1470956
U	455m S	Linen Works	1948	1518666
U	457m S	Bleach Works	1891	1422788
U	484m S	Unspecified Works	1973	1438954
U	500m S	Gasometer	1904	1420841

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	11

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

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

ID	Location	Land use	Dates present	Group ID
D	127m NE	Unspecified Tank	1961	228903
G	181m NW	Tanks	1991	250234
G	183m NW	Tanks	1993	237677
A	193m W	Unspecified Tank	1991 - 1998	237296
A	284m NW	Tanks	1991 - 1998	243865
10	325m W	Tanks	1989 - 1996	242624
I	373m W	Tanks	1989 - 1996	238404
I	395m W	Tanks	1989 - 1996	244692
I	418m NW	Tanks	1991 - 1998	250092
I	420m NW	Tanks	1993 - 1996	243779
I	421m NW	Tanks	1993 - 1996	238394

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	9

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

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

ID	Location	Land use	Dates present	Group ID
E	188m NW	Electricity Transformer Station	1970 - 1987	142626
E	191m NW	Electricity Transformer Station	1989 - 1996	146549
E	225m NW	Electricity Substation	1998	131082
E	254m NW	Electricity Substation	1993 - 1998	146363
B	307m SE	Electricity Substation	1999	131081
R	328m NW	Electricity Substation	1998	131083
U	484m S	Electricity Substation	1975 - 1999	137428
U	488m S	Electricity Substation	1990	144286
16	499m SW	Electricity Substation	1996 - 1998	137964

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	**0**

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	**12**

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

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

ID	Location	Land use	Dates present	Group ID
5	99m SW	Garage	1986 - 1991	44459
K	203m SW	Garage	1998	42943

ID	Location	Land use	Dates present	Group ID
K	222m SW	Motor Repair Works	1970	41589
K	223m SW	Motor Repair Works	-	41063
K	229m SW	Garage	1996 - 1998	44305
K	229m SW	Garage	1990 - 1993	45736
K	231m SW	Garage	1987 - 1989	45711
O	308m S	Garage	1990 - 1991	44542
O	315m S	Garage	1999	43226
Q	319m SW	Garage	1980	42037
Q	319m SW	Garage	1980 - 1991	46157
Q	334m SW	Garage	1969 - 1976	45840

This data is sourced from Ordnance Survey / Groundsure.

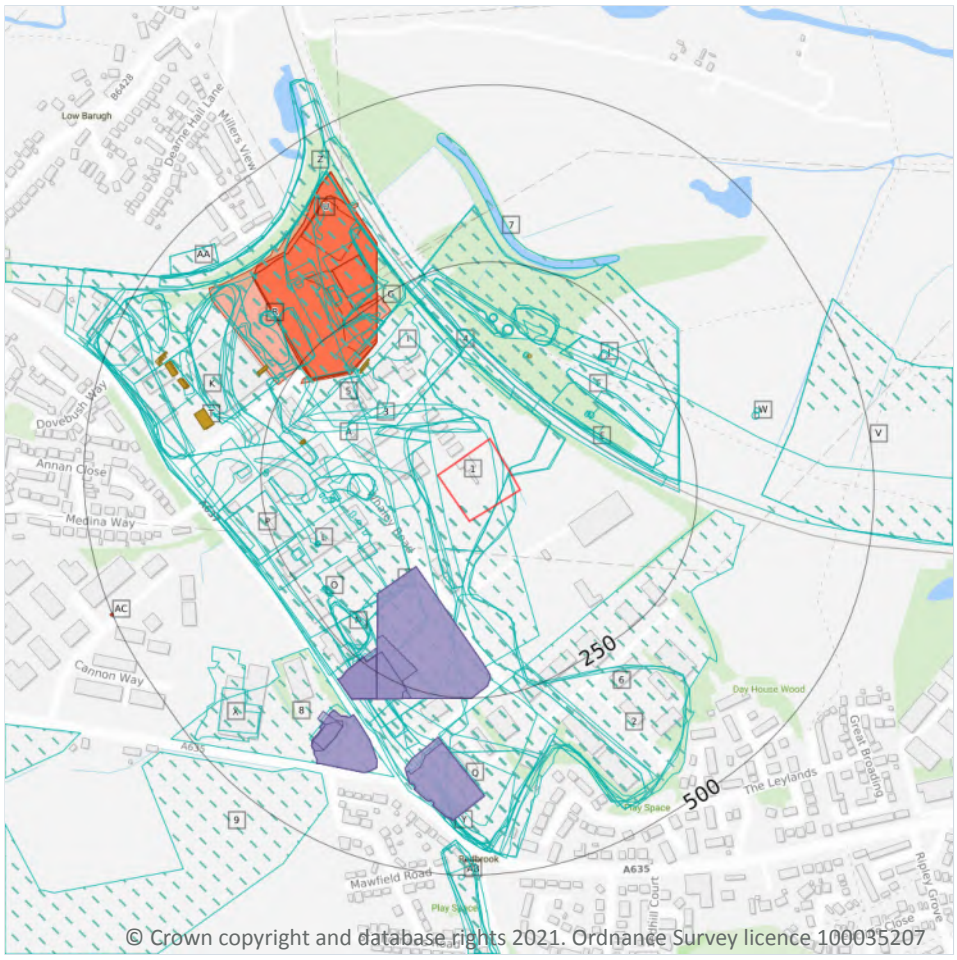
1.6 Historical military land

Records within 500m	**0**

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

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

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	164

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

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

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Disused Tip**	**1973**	**1551997**
2	**On site**	**Refuse Heap**	**1966**	**1538520**
A	**On site**	**Unspecified Works**	**1951**	**1470830**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Railway Sidings**	**1948**	**1466580**
B	**On site**	**Coke and By-Product Works**	**1948**	**1552032**
C	**On site**	**Refuse Heap**	**1951**	**1461010**
C	**On site**	**Refuse Heap**	**1948**	**1461010**
C	**On site**	**Refuse Heap**	**1948**	**1461010**
B	2m W	Railway Sidings	1951	1466580
B	33m SW	Unspecified Pit	1973	1455281
D	41m S	Unspecified Disused Tip	1973	1536474
3	45m NW	Refuse Heap	1951	1461010
4	63m NE	Cuttings	1993	1410347
B	68m W	Coke and By-Product Works	1929	1463362
E	70m NE	Cuttings	1850	1410349
B	75m W	Railway Sidings	1966	1532555
F	80m NE	Railway Sidings	1929	1511709
B	87m W	Refuse Heap	1929	1525604
F	88m NE	Coalite Works	1929	1528895
B	89m W	Refuse Heap	1948	1539932
B	89m W	Refuse Heap	1948	1539932
F	90m NE	Coalite Works	1948	1538953
G	91m NW	Refuse Heaps	1929	1419476
F	91m NE	Unspecified Commercial/Industrial	1951	1411008
B	92m W	Refuse Heap	1951	1557181
E	102m NE	Unspecified Works	1973	1551797
E	102m NE	Unspecified Works	1966	1551797
D	104m S	Unspecified Disused Tip	1982	1536474
B	112m W	Industrial Estate	1993	1418584
H	114m SW	Refuse Heap	1929	1438002
H	115m SW	Chemical Works	1948	1541259

ID	Location	Land Use	Date	Group ID
H	118m SW	Chemical Works	1951	1541259
I	118m NW	Refuse Heap	1929	1539579
F	124m NE	Unspecified Tank	1929	1520521
H	124m SW	Chemical Works	1929	1478844
B	125m W	Railway Sidings	1929	1520156
F	126m NE	Unspecified Tank	1948	1523161
B	127m SW	Unspecified Tanks	1929	1425815
B	127m SW	Unspecified Tanks	1929	1425814
5	129m NW	Unspecified Depot	1982	1428500
B	132m SW	Unspecified Tanks	1929	1425811
E	132m NE	Unspecified Tank	1929	1528727
E	135m NE	Unspecified Tank	1948	1543122
E	136m NE	Chimney	1973	1515005
E	136m NE	Chimney	1966	1515005
B	140m W	Unspecified Tanks	1948	1507674
E	143m NE	Refuse Heap	1948	1527983
E	143m NE	Refuse Heap	1948	1527983
B	143m W	Unspecified Tanks	1929	1542120
F	144m N	Refuse Heap	1929	1541497
F	147m N	Unspecified Tank	1929	1554472
F	148m N	Refuse Heap	1948	1548044
F	148m N	Refuse Heap	1948	1548044
F	149m N	Unspecified Tank	1951	1500301
B	149m W	Unspecified Tanks	1951	1516430
F	150m NE	Refuse Heap	1948	1510641
F	150m NE	Refuse Heap	1948	1510641
F	150m NE	Refuse Heap	1951	1509929
B	150m W	Unspecified Tanks	1929	1494224

ID	Location	Land Use	Date	Group ID
F	150m N	Unspecified Tank	1948	1500301
F	153m NE	Refuse Heap	1929	1478072
E	155m NE	Cuttings	1929	1410348
J	157m NE	Unspecified Works	1951	1438951
B	162m W	Unspecified Tanks	1929	1425813
F	165m N	Unspecified Tank	1929	1546268
F	166m N	Unspecified Tank	1951	1530057
F	166m N	Unspecified Tank	1948	1530057
K	171m W	Refuse Heaps	1948	1501825
K	171m W	Refuse Heaps	1948	1501825
B	172m W	Refuse Heap	1973	1438000
B	175m W	Refuse Heap	1929	1438001
B	177m W	Refuse Heaps	1951	1545300
B	183m W	Refuse Heap	1973	1538279
B	184m W	Railway Building	1966	1429082
J	189m NE	Unspecified Tanks	1929	1458961
J	191m NE	Unspecified Tanks	1951	1460690
L	191m SW	Unspecified Tank	1948	1551201
B	192m SW	Unspecified Ground Workings	1966	1414396
J	192m NE	Unspecified Tanks	1948	1460690
L	193m SW	Unspecified Tank	1951	1551201
L	193m SW	Unspecified Tanks	1929	1425816
6	197m SE	Unspecified Disused Workings	1993	1455949
N	203m SW	Refuse Heap	1966	1465992
M	205m SW	Unspecified Works	1982	1540083
N	206m SW	Refuse Heap	1951	1536576
N	210m SW	Refuse Heap	1948	1523177
N	210m SW	Refuse Heap	1948	1523177

ID	Location	Land Use	Date	Group ID
N	212m SW	Refuse Heap	1929	1459431
G	212m NW	Refuse Heap	1951	1515319
L	216m SW	Unspecified Works	1973	1493423
O	216m SW	Unspecified Tanks	1948	1465942
O	217m SW	Unspecified Tanks	1951	1498755
P	217m SW	Unspecified Depot	1973	1531763
P	217m SW	Unspecified Depot	1982	1531763
O	218m SW	Unspecified Tanks	1929	1520064
L	219m SW	Unspecified Tanks	1948	1465423
M	220m SW	Garage	1993	1457794
D	221m S	Refuse Heap	1951	1485921
G	222m NW	Refuse Heap	1948	1543647
G	222m NW	Refuse Heap	1948	1543647
L	222m SW	Unspecified Tanks	1929	1499935
M	223m SW	Unspecified Works	1973	1521768
B	239m W	Unspecified Tank	1948	1513804
B	240m W	Unspecified Tank	1929	1518416
M	241m SW	Cuttings	1948	1536522
M	243m SW	Cuttings	1951	1536522
M	246m SW	Cuttings	1966	1489731
M	248m SW	Cuttings	1929	1478886
G	248m NW	Unspecified Works	1966	1496188
B	250m W	Unspecified Depot	1982	1428491
K	257m W	Refuse Heap	1973	1511811
7	257m N	Disused Canal	1993	1439413
K	260m NW	Unspecified Commercial/Industrial	1993	1411001
K	260m NW	Unspecified Works	1982	1495660
B	263m W	Railway Building	1966	1429083

ID	Location	Land Use	Date	Group ID
K	267m W	Refuse Heaps	1929	1513559
B	268m W	Sandstone Quarry	1850	1451621
Q	272m SW	Railway Sidings	1966	1502956
G	274m NW	Cooling Pond	1948	1424992
G	277m NW	Electricity Transformer Station	1973	1531516
P	278m W	Railway Building	1966	1429081
G	281m NW	Electricity Transformer Station	1993	1491292
G	281m NW	Electricity Transformer Station	1982	1491292
8	290m SW	Unspecified Works	1973	1504396
K	292m W	Refuse Heap	1966	1488622
Q	311m S	Garage	1993	1457796
K	312m W	Refuse Heap	1951	1541337
R	315m NW	Unspecified Tank	1948	1515335
R	316m NW	Unspecified Tank	1929	1483561
R	316m NW	Unspecified Tank	1951	1490537
S	319m SW	Garage	1993	1457793
Q	326m S	Refuse Heap	1929	1557782
G	328m NW	Chimney	1966	1448385
B	329m W	Railway Building	1966	1429084
V	342m E	Opencast Workings	1973	1423456
V	342m E	Open Workings	1966	1421864
W	344m E	Unspecified Tank	1938	1483666
K	345m W	Refuse Heap	1966	1463462
K	346m W	Refuse Heap	1929	1542843
W	349m E	Unspecified Tank	1951	1504438
S	353m SW	Unspecified Pump	1850	1456721
K	356m W	Refuse Heap	1951	1517269
K	359m W	Unspecified Works	1982	1495660

ID	Location	Land Use	Date	Group ID
K	363m W	Railway Buildings	1966	1442115
U	368m NW	Unspecified Ground Workings	1966	1414397
X	371m SW	Unspecified Works	1993	1511822
Y	392m S	Refuse Heap	1948	1523639
Y	392m S	Refuse Heap	1948	1523639
K	395m NW	Unspecified Depot	1982	1428501
X	397m SW	Unspecified Works	1982	1504396
Z	397m NW	Railway Sidings	1904	1533911
Z	397m NW	Railway Sidings	1891	1533911
9	413m SW	Opencast Workings	1966	1542560
K	426m NW	Refuse Heaps	1929	1550132
K	430m NW	Refuse Heap	1951	1547443
AA	432m NW	Cooling Ponds	1948	1477790
AA	432m NW	Cooling Ponds	1948	1477790
K	446m NW	Refuse Heap	1973	1532278
AB	451m S	Linen Works	1929	1470956
AB	451m S	Linen Works	1904	1470956
AB	455m S	Linen Works	1948	1518666
AB	457m S	Bleach Works	1891	1422788
AB	484m S	Unspecified Works	1973	1438954
AB	500m S	Gasometer	1904	1420841

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**40**

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

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

ID	Location	Land Use	Date	Group ID
F	127m NE	Unspecified Tank	1961	228903
I	181m NW	Tanks	1991	250234
I	183m NW	Tanks	1993	237677
I	183m NW	Tanks	1993	237677
B	193m W	Unspecified Tank	1993	237296
B	193m W	Unspecified Tank	1993	237296
B	193m W	Unspecified Tank	1996	237296
B	193m W	Unspecified Tank	1998	237296
B	194m W	Unspecified Tank	1991	237296
B	284m NW	Tanks	1991	243865
B	284m NW	Tanks	1993	243865
B	284m NW	Tanks	1993	243865
B	284m NW	Tanks	1996	243865
B	284m NW	Tanks	1998	243865
T	325m W	Tanks	1993	242624
T	325m W	Tanks	1993	242624
T	325m W	Tanks	1996	242624
T	325m W	Tanks	1989	242624
T	325m W	Tanks	1990	242624
T	325m W	Tanks	1991	242624
K	373m W	Tanks	1993	238404
K	373m W	Tanks	1993	238404
K	373m W	Tanks	1996	238404
K	375m W	Tanks	1989	238404
K	375m W	Tanks	1990	238404
K	375m W	Tanks	1991	238404
K	395m W	Tanks	1993	244692
K	395m W	Tanks	1993	244692

ID	Location	Land Use	Date	Group ID
K	395m W	Tanks	1996	244692
K	395m W	Tanks	1989	244692
K	395m W	Tanks	1990	244692
K	395m W	Tanks	1991	244692
K	418m NW	Tanks	1998	250092
K	420m NW	Tanks	1993	243779
K	420m NW	Tanks	1993	243779
K	420m NW	Tanks	1996	243779
K	421m NW	Tanks	1991	250092
K	421m NW	Tanks	1993	238394
K	421m NW	Tanks	1993	238394
K	421m NW	Tanks	1996	238394

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**21**

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

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

ID	Location	Land Use	Date	Group ID
G	188m NW	Electricity Transformer Station	1987	142626
G	191m NW	Electricity Transformer Station	1989	146549
G	191m NW	Electricity Transformer Station	1990	146549
G	191m NW	Electricity Transformer Station	1991	146549
G	191m NW	Electricity Transformer Station	1993	146549
G	191m NW	Electricity Transformer Station	1993	146549
G	191m NW	Electricity Transformer Station	1996	146549
G	203m NW	Electricity Transformer Station	1970	142626

ID	Location	Land Use	Date	Group ID
G	225m NW	Electricity Substation	1998	131082
G	254m NW	Electricity Substation	1993	146363
G	254m NW	Electricity Substation	1993	146363
G	254m NW	Electricity Substation	1996	146363
G	254m NW	Electricity Substation	1998	146363
D	307m SE	Electricity Substation	1999	131081
U	328m NW	Electricity Substation	1998	131083
AB	484m S	Electricity Substation	1975	137428
AB	484m S	Electricity Substation	1991	137428
AB	485m S	Electricity Substation	1999	137428
AB	488m S	Electricity Substation	1990	144286
AC	499m SW	Electricity Substation	1996	137964
AC	499m SW	Electricity Substation	1998	137964

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	22

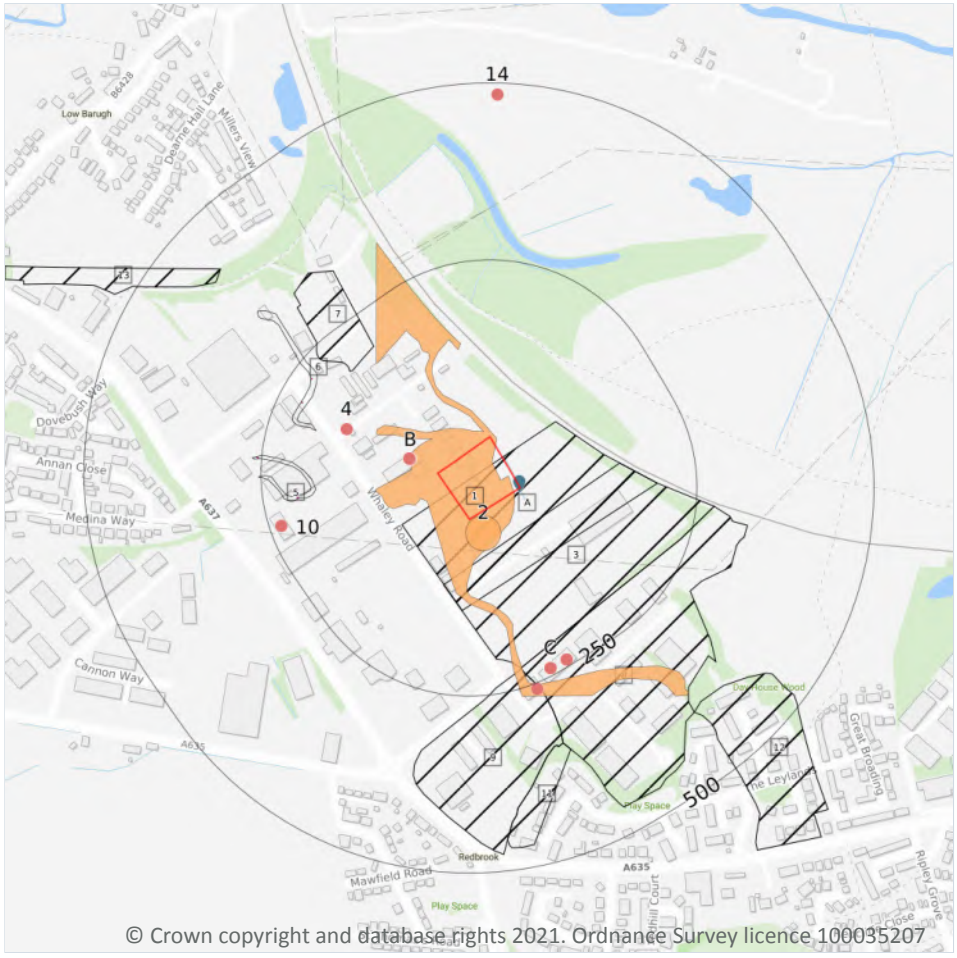
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land Use	Date	Group ID
H	99m SW	Garage	1986	44459
H	99m SW	Garage	1991	44459
H	99m SW	Garage	1987	44459
M	203m SW	Garage	1998	42943
M	222m SW	Motor Repair Works	1970	41589
M	223m SW	Motor Repair Works	-	41063
M	229m SW	Garage	1998	44305
M	229m SW	Garage	1993	45736
M	229m SW	Garage	1993	45736
M	229m SW	Garage	1996	44305
M	231m SW	Garage	1987	45711
M	231m SW	Garage	1989	45711
M	231m SW	Garage	1990	45736
M	231m SW	Garage	1991	45736
Q	308m S	Garage	1990	44542
Q	308m S	Garage	1991	44542
Q	315m S	Garage	1999	43226
S	319m SW	Garage	1980	46157
S	319m SW	Garage	1991	46157
S	319m SW	Garage	1980	42037
S	334m SW	Garage	1976	45840
S	340m SW	Garage	1969	45840

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	2

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

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

ID	Location	Site address	Source	Data type
5	174m W	Refuse Tip	1970 mapping	Polygon
6	182m W	Refuse Tip	1970 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	8

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

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

ID	Location	Details		
A	**On site**	**Site Address: Tipping of Builders Waste opposite Whaley Road, Whaley Road, Barugh, Barnsley Licence Holder Address: Amco Compound, Whaley Road, Barugh, Barnsley**	**Waste Licence: Yes Site Reference: WD24 B378, 4400/B375, 20B375(84), WD20 B375 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 14/04/1983 Licence Surrender: 02/07/1984**	**Operator: Longden Homes Licence Holder: Amco Industries Holdings Limited First Recorded 30/04/1983 Last Recorded: 02/07/1984**
3	51m SE	Site Address: Whaley Road, Claycliffe Industrial Estate, Barugh Green road, Barugh, Barnsley Licence Holder Address: PO Box 1, Whaley Road, Barugh, Barnsley	Waste Licence: Yes Site Reference: 4400/B502, 20B502(81), WD20 B502 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 24/03/1986 Licence Surrender: 22/07/1992	Operator: Amco Limited Licence Holder: Amco Industries Holdings Limited First Recorded 31/03/1986 Last Recorded: 22/07/1992

ID	Location	Details		
7	188m NW	Site Address: Land off Whaley Road, Claycliffe Industrial Estate, Barugh Green, Barnsley Licence Holder Address: 3 The Balk, Staincross, Barnsley	Waste Licence: Yes Site Reference: WD20 B488, 4400/B488, 20B488(97) Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 21/10/1985 Licence Surrender: 01/11/1994	Operator: Mr C Langfield Licence Holder: Mr C Langfield First Recorded 31/10/1985 Last Recorded: 01/11/1994
8	198m SE	Site Address: Land To East Of Whaley Road, Barugh Green, Barnsley Licence Holder Address: 31 Bence Lane, Darton	Waste Licence: Yes Site Reference: WD20 B1050 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 15/03/1994 Licence Surrender: -	Operator: Mydrin Limited Licence Holder: Autogel Limited/Mydrinlts First Recorded 15/03/1994 Last Recorded: -
9	223m S	Site Address: South Yorkshire Industrial Estate, Redbrook, Barnsley Licence Holder Address: Western House, Place Du Commerce, St Peter Port, Guernsey	Waste Licence: Yes Site Reference: 4400/B392, 20B392(87), WD20 B392 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 02/09/1983 Licence Surrender: 29/01/1990	Operator: Northern Properties Limited Licence Holder: Northern Properties Limited First Recorded 30/09/1983 Last Recorded: 29/01/1990
11	342m S	Site Address: Wilthorpe Road, Redbrook, Barnsley Licence Holder Address: High Street, South Elmsall, Pontefract	Waste Licence: Yes Site Reference: WD20 B390, 4400/B390, 20B390(86) Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 02/09/1983 Licence Surrender: 03/05/1988	Operator: Tara Civil Engineering Limited Licence Holder: Tara Civil Engineering Limited First Recorded 02/09/1983 Last Recorded: 03/05/1988
12	395m SE	Site Address: Dayhouse Lane And Wilthorpe Road, Gawber, Barnsley Licence Holder Address: -	Waste Licence: - Site Reference: 4400/(135) Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Mr B Dixon Licence Holder: Mr B Dixon First Recorded - Last Recorded: -
13	413m NW	Site Address: Railway Cutting Off Claycliffe Road, Barugh, Barnsley Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Mr Robinson Licence Holder: Mr R Robinson First Recorded 31/12/1972 Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	2

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

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

ID	Location	Address	Further Details	Date
1	**On site**	**Site Address: N/A**	**Type of Site: Ground Workings and Refuse Heap** **Planning application reference: N/A** **Description: N/A** **Data source: Historic Mapping** **Data Type: Polygon**	**1961**
2	1m SE	Site Address: Whaley Road, Low Barugh, BARNSLEY, South Yorkshire, S75 1HT	Type of Site: Recycling Centre (Conversion) Planning application reference: 2006/1242 Description: Scheme comprises change of use of land to B2 waste recycling centre. An application (ref: 2006/1242) for detailed planning permission was granted by Barnsley B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	2

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

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

ID	Location	Details		
A	**On site**	**Site Name: Whaley Road** **Site Address: Wordsworth Crushing Ltd, Whaley Road, Low Barugh, Barnsley, South Yorkshire, S75 1HT** **Correspondence Address: -**	**Type of Site: Inert & excavation Waste TS + treatment** **Size: 25000 tonnes** **Environmental Permitting Regulations (Waste) Licence Number: WOR047** **EPR reference: EA/EPR/GB3237AM/A001** **Operator: Wordsworth Crushing Ltd** **Waste Management licence No: 104091** **Annual Tonnage: 74999**	**Issue Date: 22/05/2012** **Effective Date: -** **Modified: -** **Surrendered Date: -** **Expiry Date: -** **Cancelled Date: -** **Status: Issued**

ID	Location	Details		
A	**On site**	**Site Name: Whaley Road Site Address: Wordsworth Crushing Ltd, Whaley Road, Low Barugh, Barnsley, South Yorkshire, S75 1HT Correspondence Address: -**	**Type of Site: Inert & excavation Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WOR047 EPR reference: EA/EPR/GB3237AM/A001 Operator: Wordsworth Crushing Ltd Waste Management licence No: 104091 Annual Tonnage: 74999**	**Issue Date: 22/05/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued**

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

3.7 Waste exemptions

Records within 500m	**17**

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

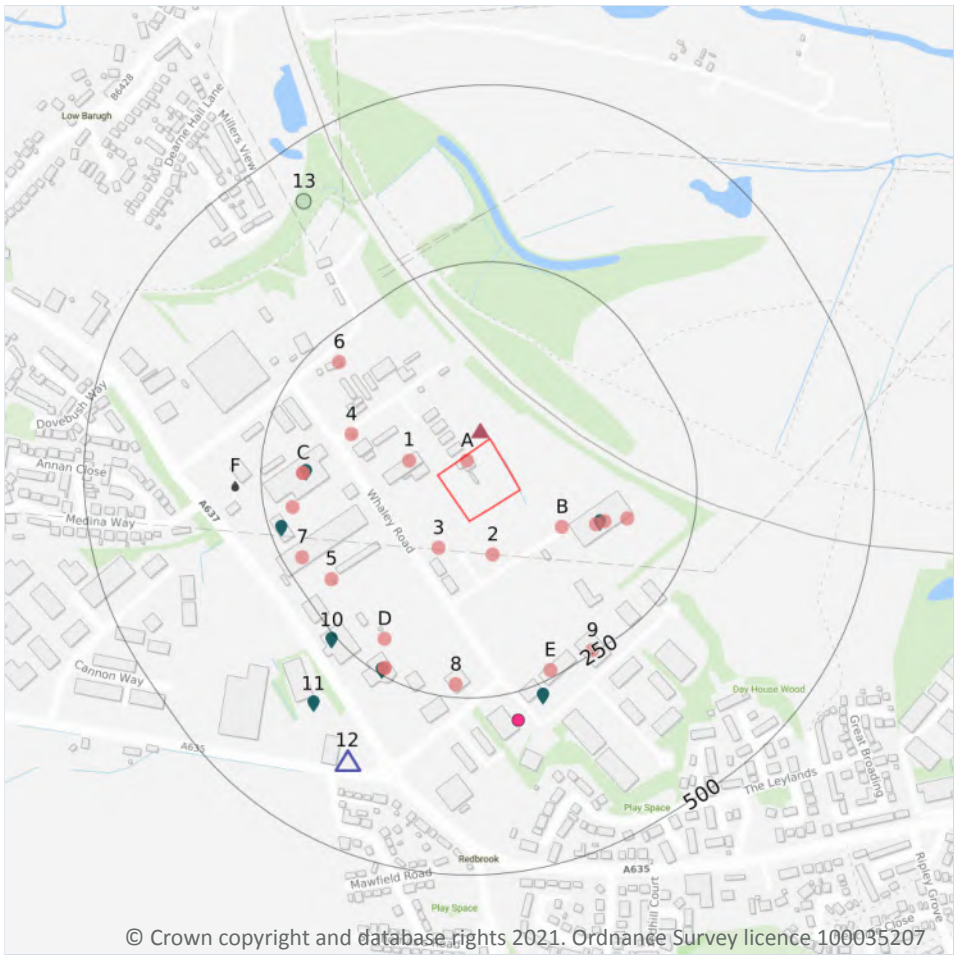
Features are displayed on the Waste and landfill map on **page 33**

ID	Location	Site	Reference	Category	Sub-Category	Description
B	43m NW	Amalgamated Construction Ltd Whaley Road Barnsley South Yorkshire S75 1HT	EPR/EE5452DT/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
B	43m NW	Amalgamated Construction Ltd Whaley Road Barnsley South Yorkshire S75 1HT	EPR/EE5452DT/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
B	46m NW	Amalgamated Construction Ltd Whaley Road Barnsley South Yorkshire S75 1HT	EPR/AE5181AY/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
B	46m NW	WHALEY ROAD BARNSLEY S75 1HT	WEX013568	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	46m NW	WHALEY ROAD BARNSLEY S75 1HT	WEX013568	Storing waste exemption	Not on a farm	Storage of waste in a secure place
4	143m NW	Site At Whaley Road Barnsley South Yorkshire S75 1HT	EPR/AF0804WM/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
10	234m W	Unit 3 & 4 Joe Pole Storage, Claycliffe Road, Barugh Green, Barnsley, S75 1HS	WEX080820	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	239m SE	Amalgamated Construction Ltd, Whaley Road, Barugh, Barnsley, S75 1HT	WEX174486	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	239m SE	Amalgamated Construction Ltd, Whaley Road, Barugh, Barnsley, S75 1HT	WEX174486	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	239m SE	Amalgamated Construction Ltd, Amalgamated Construction Ltd, Whaley Road, BARNSLEY, S75 1HT	WEX160097	Using waste exemption	Not on a Farm	Use of waste in construction
C	239m SE	Whirlpool UK Appliances Ltd, Unit F, Zenith Business Park, Baurgh Green, Barnsley, S75 1HT	WEX167716	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	239m SE	Whirlpool UK Appliances Ltd, Unit F, Zenith Business Park, Baurgh Green, Barnsley, S75 1HT	WEX167716	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	239m SE	WHALEY ROAD, BARNSLEY, S75 1HT	WEX091827	Using waste exemption	Not on a farm	Use of waste in construction
C	241m SE	Unit F, Zenith Business Park, Baurgh Green, Barnsley, S75 1HT	WEX006072	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	241m SE	Unit F, Zenith Business Park, Baurgh Green, Barnsley, S75 1HT	WEX006072	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	259m S	UnitF Zenith Park Whaley Road Barnsley South Yorkshire S75 1HT	EPR/KH0015JV/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
14	483m N	-	WEX258054	Storing waste exemption	On a farm	Storage of sludge

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
- Hazardous substance storage/usage
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	21

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 39**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Wordsworth Crushing Ltd**	**Unit 1 Whaley Road, Barnsley, South Yorkshire, S75**	**Ore Mining**	**Extractive Industries**
1	46m NW	A M C O Giffen	Whaley Road, Barnsley, South Yorkshire, S75 1HT	Civil Engineers	Engineering Services

ID	Location	Company	Address	Activity	Category
2	58m SE	Pylon	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities
3	58m SW	Wordsworth Business Park	South Yorkshire, S75	Business Parks and Industrial Estates	Industrial Features
B	80m SE	Electricity Sub Station	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities
B	118m SE	Works	South Yorkshire, S75	Unspecified Works Or Factories	Industrial Features
B	127m E	Naylor Concrete Products	Naylor Concrete Products Ltd, Whaley Road, Barnsley, South Yorkshire, S75 1HT	Concrete Products	Industrial Products
4	135m NW	V H E	Whaley Road, Barnsley, South Yorkshire, S75 1HT	Civil Engineers	Engineering Services
B	157m E	Hopper	South Yorkshire, S75	Hoppers and Silos	Farming
C	190m W	Pentagon	Claycliffe Road, Barugh Green, Barnsley, South Yorkshire, S75 1LR	New Vehicles	Motoring
C	190m W	Mike Tinker Motor Bodies	Claycliffe Road, Barnsley, South Yorkshire, S75 1HS	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	205m SW	Mast (Telecommunication)	South Yorkshire, S75	Telecommunications Features	Infrastructure and Facilities
5	207m SW	Joe Pole Storage Ltd	Unit 2, Claycliffe Road, Barnsley, South Yorkshire, S75 1HS	Container and Storage	Transport, Storage and Delivery
C	210m W	Travelling Crane	South Yorkshire, S75	Travelling Cranes and Gantries	Industrial Features
6	212m NW	Amco Drilling	Whaley Road, Barnsley, South Yorkshire, S75 1HT	Cutting, Drilling and Welding Services	Construction Services
7	224m SW	Rolled Rings Ltd	Warehouse 1, Claycliffe Road, Barnsley, South Yorkshire, S75 1HS	Tools Including Machine Shops	Industrial Products
8	232m S	Vantage Honda	Whaley Road, Barnsley, South Yorkshire, S75 1HT	New Vehicles	Motoring
E	240m SE	Echelon Sports	Unit D Zenith Park, Whaley Road, Barnsley, South Yorkshire, S75 1HT	Hobby, Sports and Pastime Products	Consumer Products
D	240m SW	Perrys Citroen Barnsley	Claycliffe Road, Barugh Green, Barnsley, South Yorkshire, S75 1LR	New Vehicles	Motoring

ID	Location	Company	Address	Activity	Category
D	240m SW	Perrys Motors Sales Ltd	Claycliffe Road, Barugh Green, Barnsley, South Yorkshire, S75 1LR	New Vehicles	Motoring
9	247m SE	Cut Tec	Unit F Zenith Park, Whaley Road, Barnsley, South Yorkshire, S75 1HT	Cutting, Drilling and Welding Services	Construction Services

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**1**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 39**

ID	Location	Company	Address	LPG	Status
12	380m SW	OBSOLETE	Claycliffe Road, A365, Redbrook, Barnsley, South Yorkshire, S75 1HS	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	1

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

Features are displayed on the Current industrial land use map on **page 39**

ID	Location	Details	
A	18m NW	Application reference number: No Details Application status: Approved Application date: No Details Address: Reliance Energy Ltd, Redbrook Industrial Estate, Barnsley, South Yorkshire, England, S75 1HS	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

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	8

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 39**

ID	Location	Address	Details	
B	122m E	Charcon Precast Solutions, Whaley Road, Barugh Green, Barnsley, S75 1HT	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
C	187m W	Compass Engineering Limited, Whaley Road, Barnsley, S75 1HT	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
C	233m W	Braithwaite Excavations Limited, Claycliffe Road, Barugh Green, Barnsley, S75 1HS	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
D	244m SW	D C Cook, Barugh Green Rd, Barugh Green, Barnsley, S75 2RS	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
10	257m SW	Alton Cars, Claycliffe Road, Barnsley, S75 1HS	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	268m SE	Wordsworth Crushing Ltd, Whaley Road, Barugh Green, Barnsley, S75 1HT	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	268m SE	Wordsworth Crushing Ltd, Whaley Road, Barugh Green, Barnsley, S75 1HT	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
11	340m SW	Malcolm Smith Motor Repairs, Claycliffe Rd, Barugh, Barnsley, S75 1HS	Process: Waste Oil Burner 0.4 MW Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m **1**

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

Features are displayed on the Current industrial land use map on **page 39**

ID	Location	Address	Details	
E	288m S	Static Solutions Limited, Unit 17, Zenith Park,whaley Road,barugh Green, Barnsley, South Yorkshire, S75 1HT	Operator: Static Solutions Limited Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: CE2870 Date of approval: -	Effective from: - Last date of update: 06/01/2010 Status: Valid

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

4.13 Licensed Discharges to controlled waters

Records within 500m **2**

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 39**

ID	Location	Address	Details	
F	286m W	PRISM WORKS, CLAYCLIFFE ROAD, BARUGH, BARNSLEY, SOUTH YORKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: C4750 Permit Version: 1 Receiving Water: TRIBUTARY OF THE RIVER DEARNE	Status: TRANSFERRED FROM COPA 1974 Issue date: 14/08/1987 Effective Date: 14/08/1987 Revocation Date: 20/07/1993
F	286m W	PRISM WORKS, CLAYCLIFFE ROAD, BARUGH, BARNSLEY, SOUTH YORKSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: C4750 Permit Version: 2 Receiving Water: TRIBUTARY OF THE RIVER DEARNE	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/07/1993 Effective Date: 21/07/1993 Revocation Date: 27/11/2007

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	1

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 39**

ID	Location	Details	
13	425m NW	Incident Date: 12/03/2002 Incident Identification: 63606 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	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.

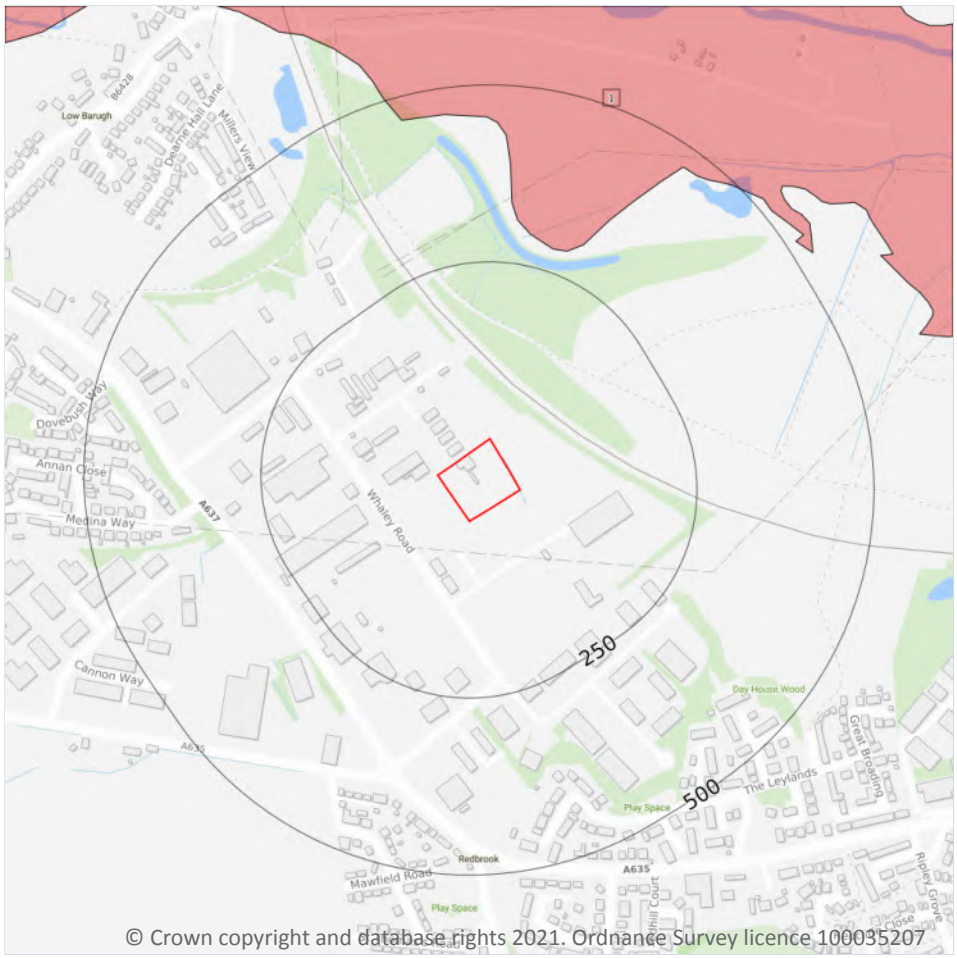
4.21 Pollution inventory radioactive waste

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



5.1 Superficial aquifer

Records within 500m	1

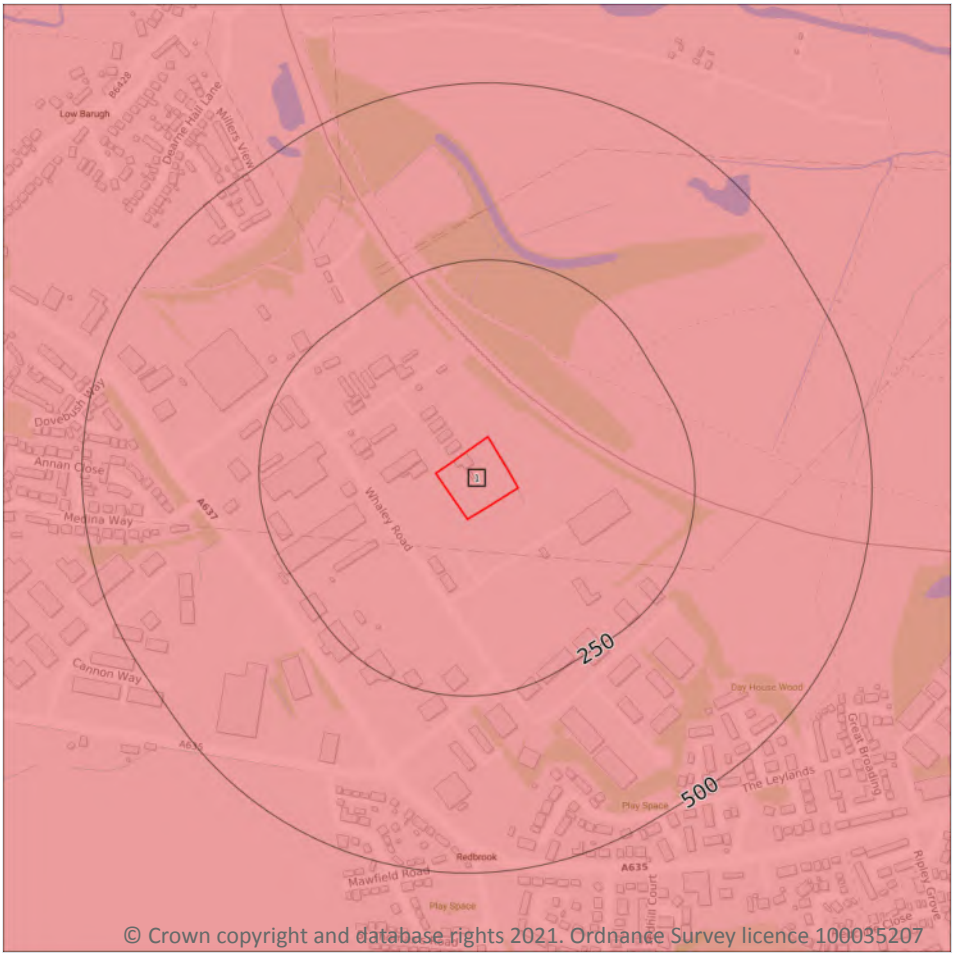
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 48**

ID	Location	Designation	Description
1	283m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	1

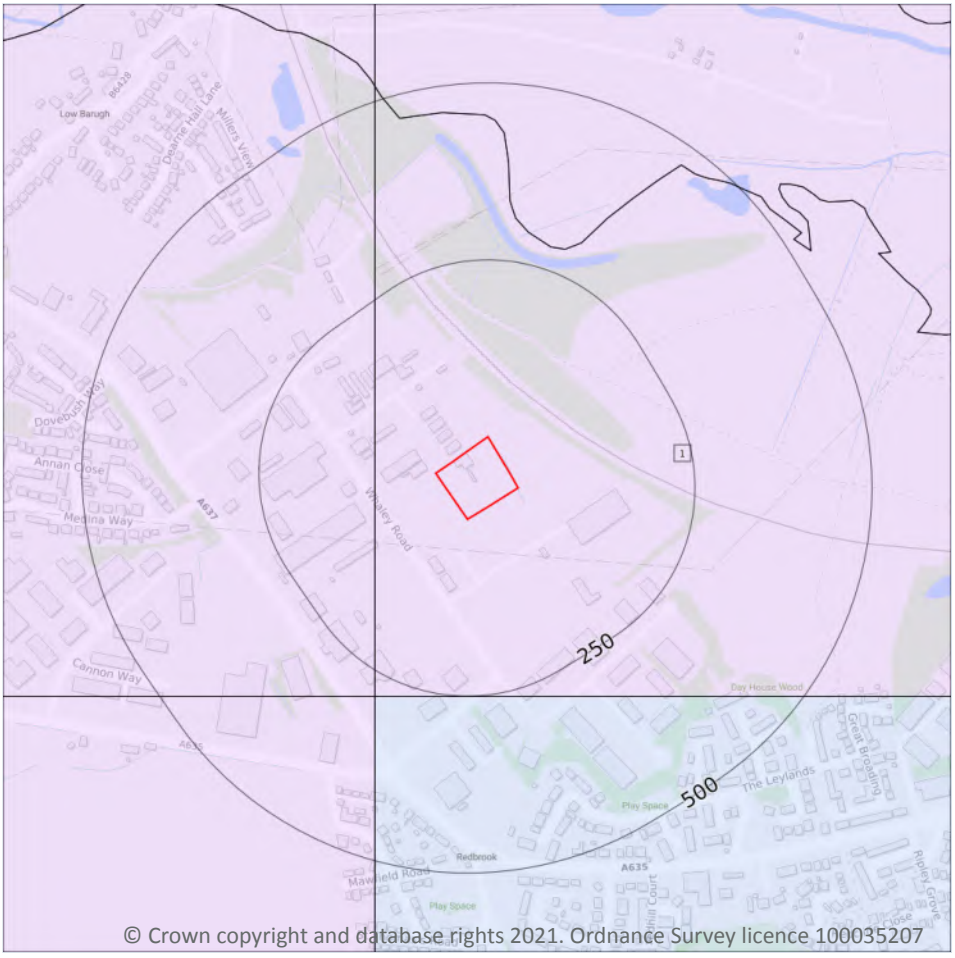
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 49**

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

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

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

Bedrock vulnerability

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

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	1

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 50**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High**	**Vulnerability: Medium 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

5.6 Groundwater abstractions

Records within 2000m	0

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.

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

5.7 Surface water abstractions

Records within 2000m	0

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.

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

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology

6.1 Water Network (OS MasterMap)

Records within 250m	**6**

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 54**

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

ID	Location	Type of water feature	Ground level	Permanence	Name
A	1m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
1	142m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	192m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	244m N	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 54**

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 54**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River WB catchment**	**Dearne from Cawthorne Dyke to Lundwood STW**	**GB104027063171**	**Dearne**	**Don and Rother**

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 54**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	626m N	River	Dearne from Cawthorne Dyke to Lundwood STW	GB104027063171	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 54**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Don & Rother Millstone grit & Coal Measures**	**GB40402G992300**	**Poor**	**Poor**	**Good**	**2015**

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

7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

8.1 Surface water flooding

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

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.

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 Ambiental Risk Analytics.

9 Groundwater flooding

Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

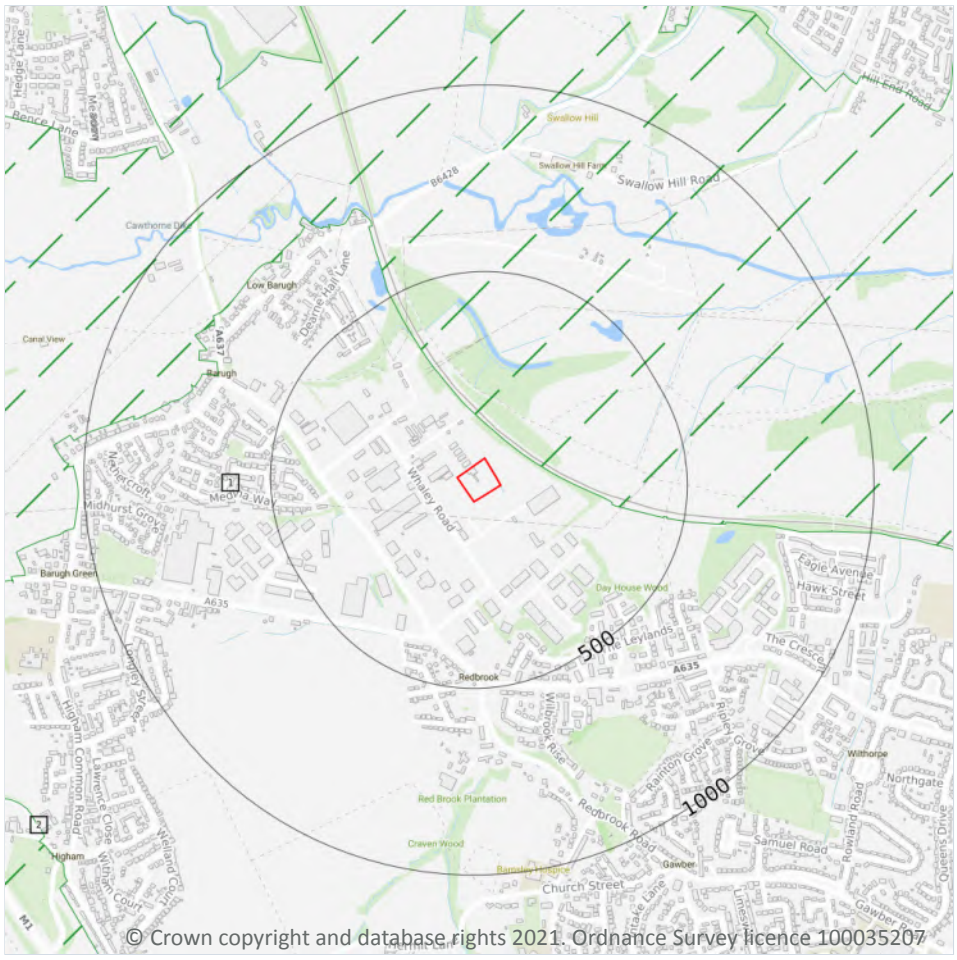
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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 61**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

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

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

10.7 Designated Ancient Woodland

Records within 2000m	5

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 62**

ID	Location	Name	Woodland Type
-	1774m SW	Hugset Wood	Ancient Replanted Woodland
-	1867m SW	Unknown	Ancient & Semi-Natural Woodland
-	1869m SW	Unknown	Ancient & Semi-Natural Woodland
-	1891m SW	Hugset Wood	Ancient Replanted Woodland
-	1922m SW	Hugset Wood	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	2

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

Features are displayed on the Environmental designations map on **page 62**

ID	Location	Name	Local Authority name
1	72m NE	South and West Yorkshire	Barnsley
2	1450m SW	South and West Yorkshire	Barnsley

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

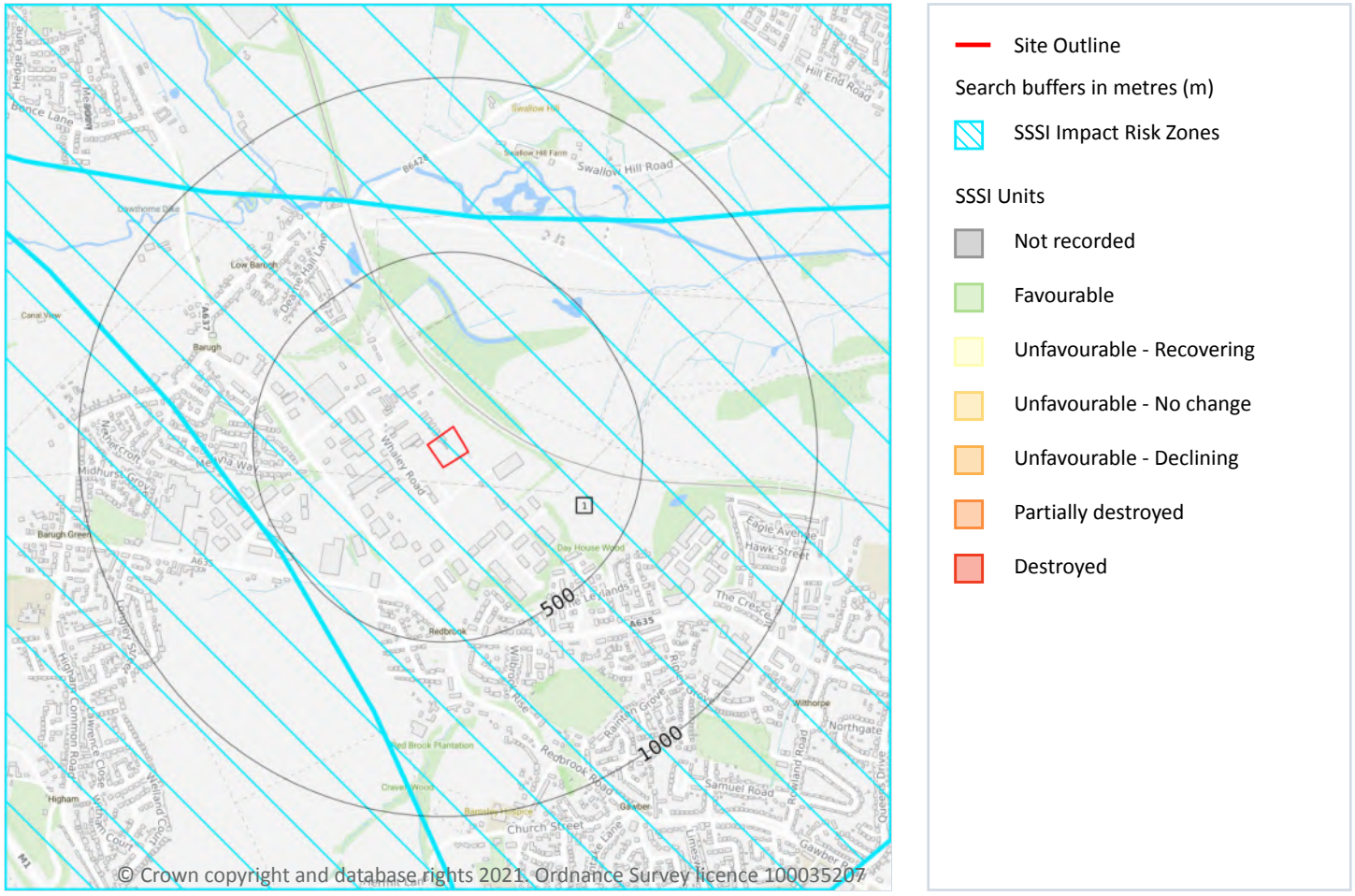
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**River Dearne NVZ**	**Surface Water**	**S278**	**Existing**

Location	Name	Type	NVZ ID	Status
1890m E	River Dearne NVZ	Surface Water	S278	Existing

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

SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 68**

ID	Location	Type of developments requiring consultation
1	**On site**	**Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 4000m². 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**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

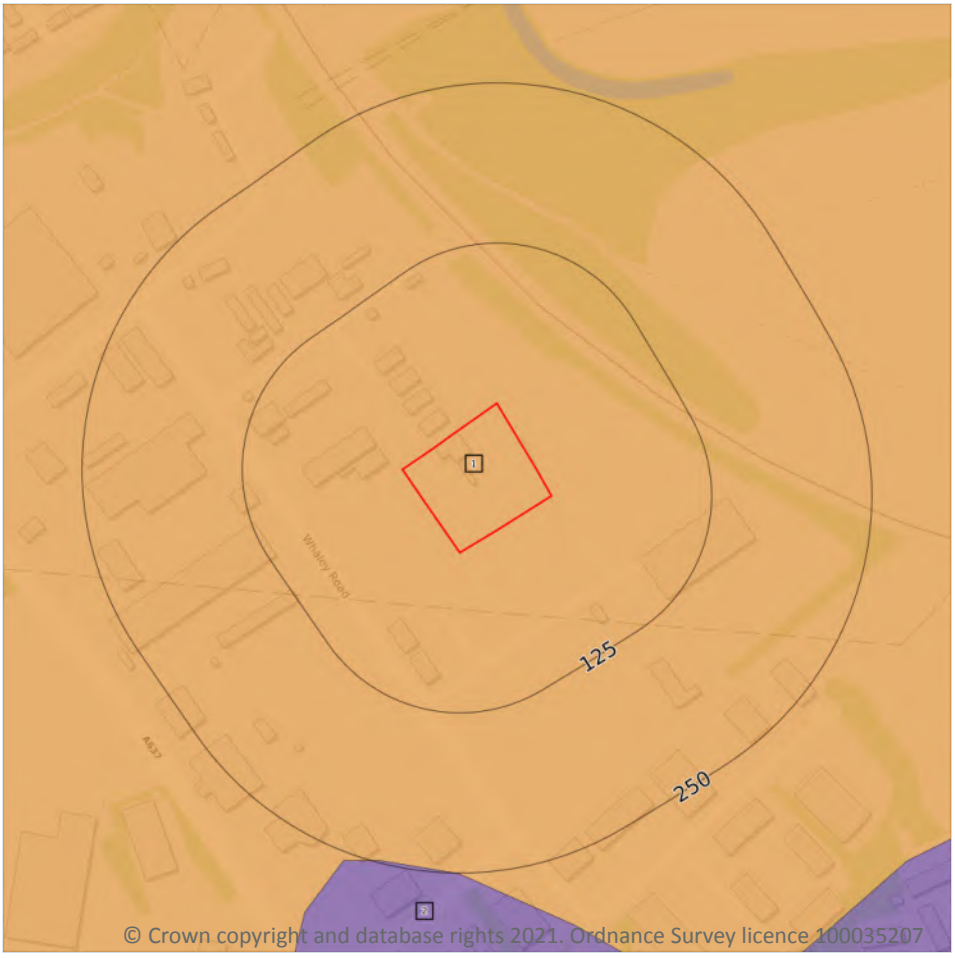
11.7 Registered Parks and Gardens

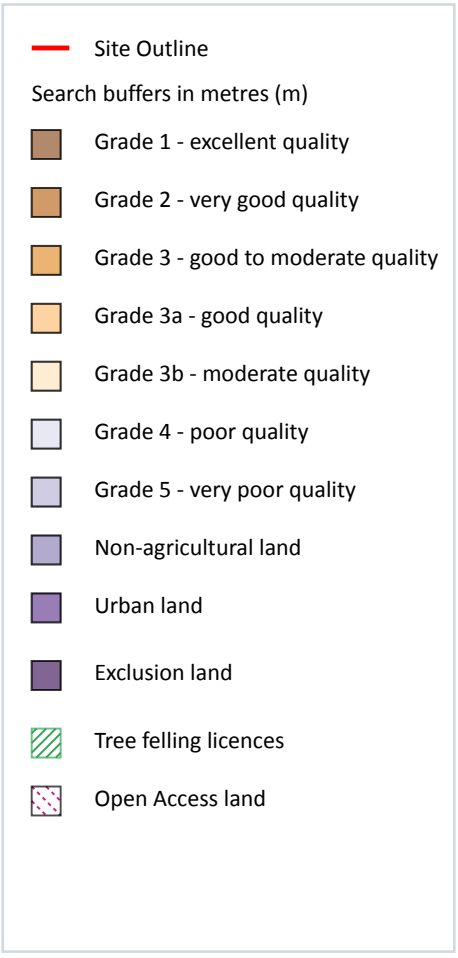
Records within 250m	0

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

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

12 Agricultural designations





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 72**

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.**
2	247m S	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. 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	2

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 74**

ID	Location	Main Habitat	Other habitats
1	91m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	192m N	Deciduous woodland	Main habitat: DWOOD (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

14.1 10k Availability

Records within 500m	1

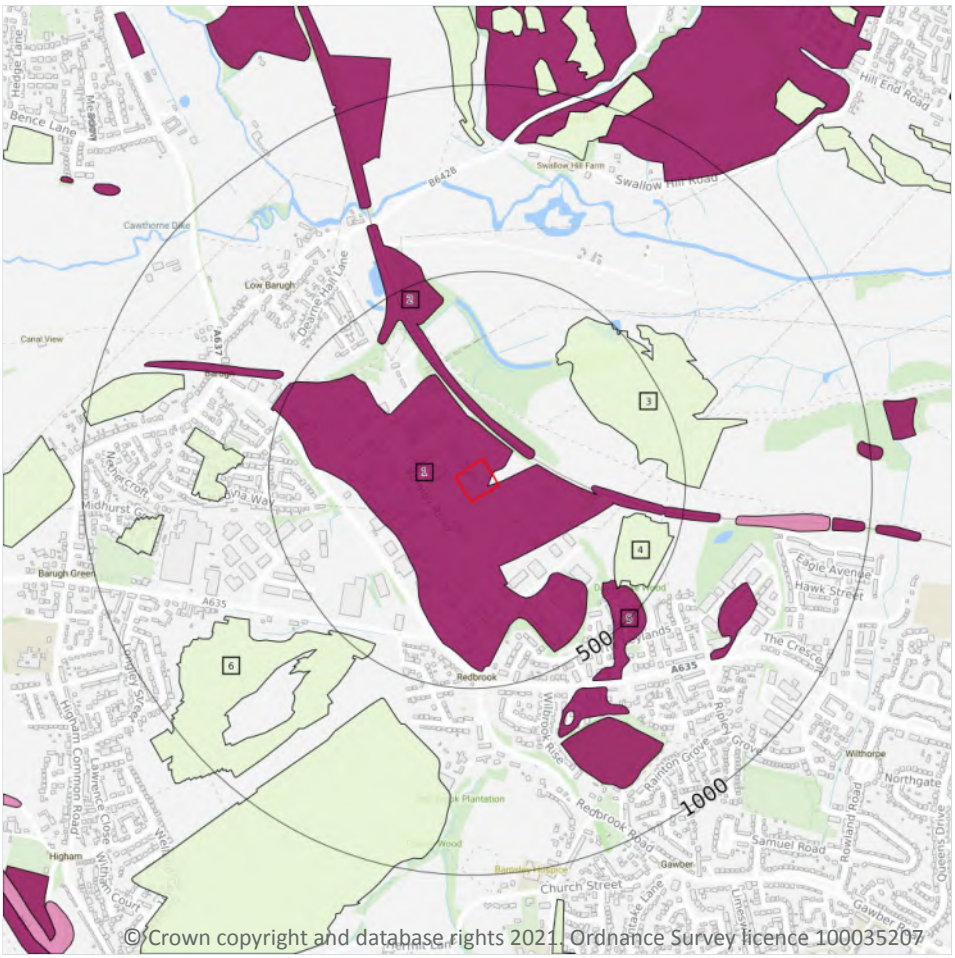
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 76**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SE30NW**

This data is sourced from the British Geological Survey.

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



14.2 Artificial and made ground (10k)

Records within 500m **6**

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.

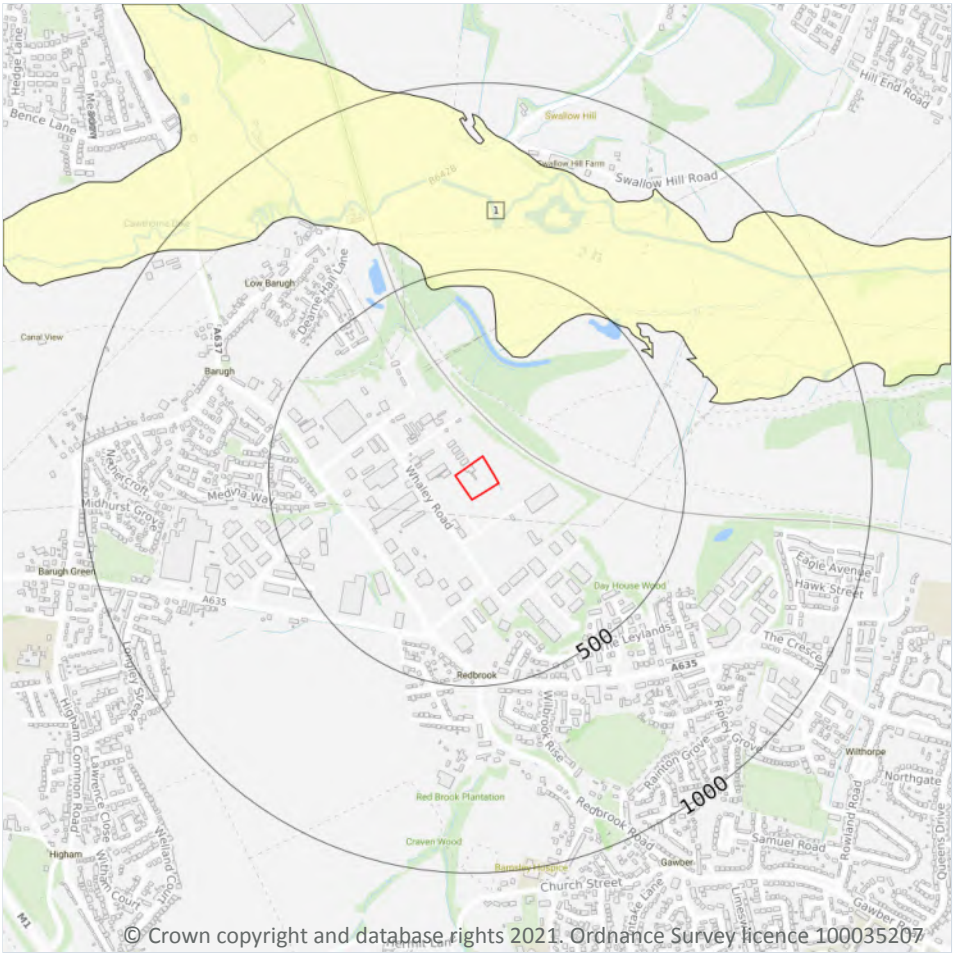
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 77**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
2	74m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	307m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	345m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	382m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	461m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit

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	1

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 79**

ID	Location	LEX Code	Description	Rock description
1	279m N	ALV-XCZ	Alluvium - Clay And Silt	Clay And Silt

This data is sourced from the British Geological Survey.

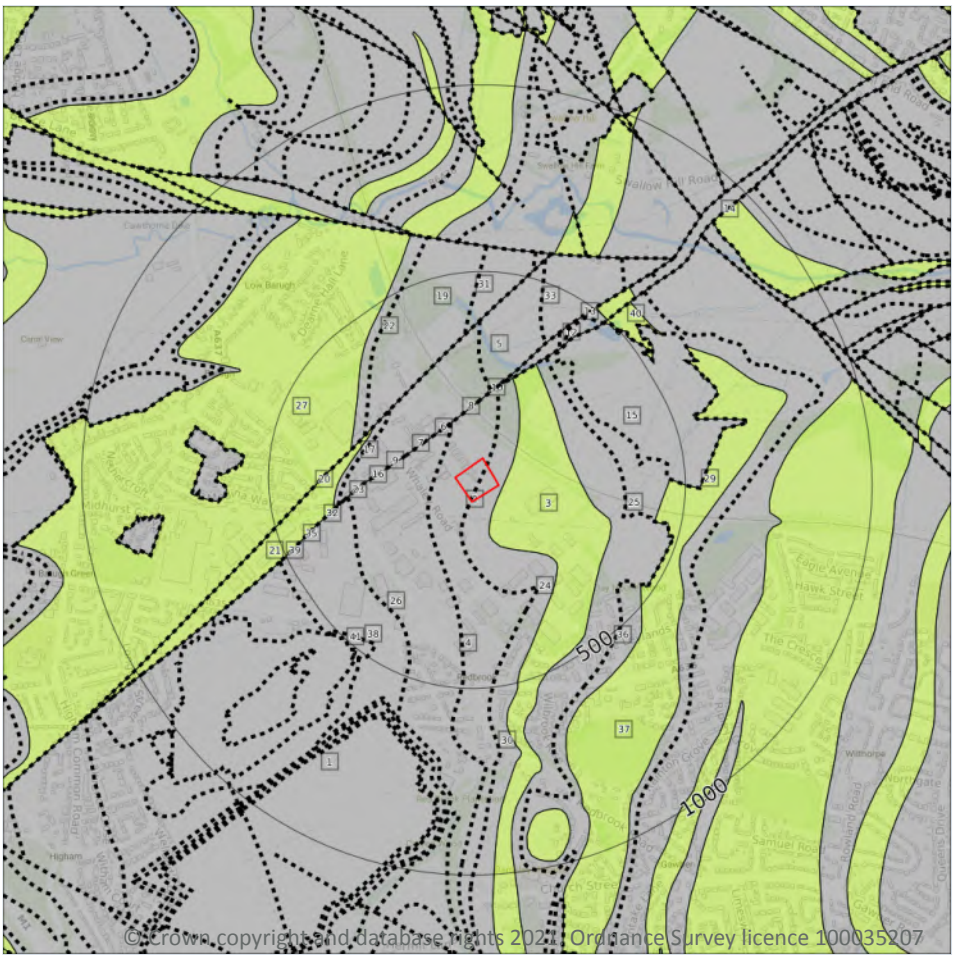
14.4 Landslip (10k)

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 **11**

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 81**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PMCM-MDSS**	**Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Bolsovian Sub-age - Duckmantian Sub-age**
3	12m SE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

ID	Location	LEX Code	Description	Rock age
5	125m NW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
12	194m N	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
15	204m E	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
19	252m NW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
21	256m NW	HMR-SDST	Haigh Moor Rock - Sandstone	Duckmantian Sub-age
27	289m W	HMR-SDST	Haigh Moor Rock - Sandstone	Duckmantian Sub-age
37	429m E	BNR-SDST	Barnsley Rock - Sandstone	Duckmantian Sub-age
40	486m NE	BNR-SDST	Barnsley Rock - Sandstone	Duckmantian Sub-age
42	498m NE	BNR-SDST	Barnsley Rock - Sandstone	Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m **31**

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

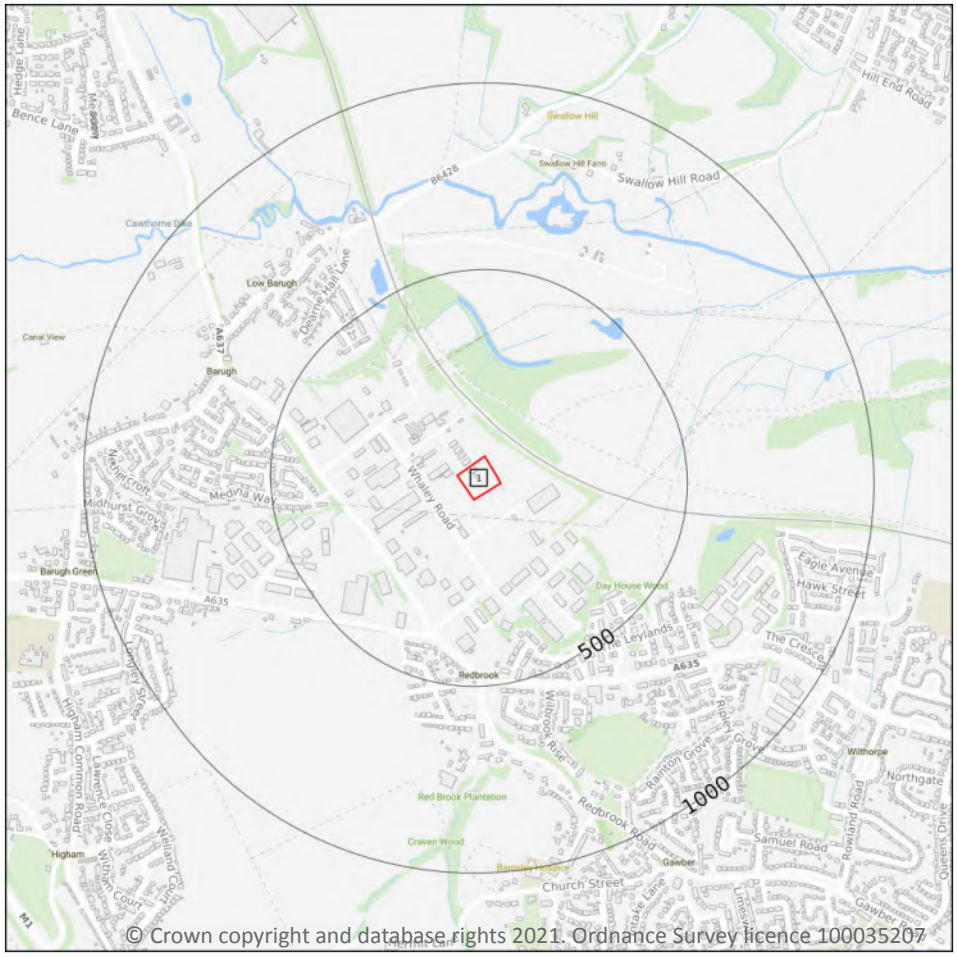
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 81**

ID	Location	Category	Description
2	**On site**	**ROCK**	**Coal seam, inferred**
4	52m W	ROCK	Coal seam, inferred
6	125m NW	FAULT	Normal fault, inferred
7	126m NW	FAULT	Normal fault, inferred
8	126m NW	FAULT	Normal fault, inferred
9	145m NW	FAULT	Normal fault, inferred
10	156m N	FAULT	Normal fault, inferred
11	181m N	ROCK	Coal seam, inferred

ID	Location	Category	Description
13	194m N	FAULT	Normal fault, inferred
14	194m N	FAULT	Normal fault, inferred
16	219m W	FAULT	Normal fault, inferred
17	235m NW	ROCK	Coal seam, inferred
18	243m W	FAULT	Normal fault, inferred
20	252m NW	FAULT	Normal fault, inferred
22	267m NW	ROCK	Coal seam, inferred
23	272m W	FAULT	Normal fault, inferred
24	276m SE	ROCK	Coal seam, observed
25	280m NE	ROCK	Coal seam, observed
26	289m W	ROCK	Coal seam, inferred
28	303m W	FAULT	Normal fault, inferred
29	307m NE	ROCK	Coal seam, observed
30	325m SE	ROCK	Coal seam, inferred
31	336m N	ROCK	Coal seam, inferred
32	337m W	FAULT	Normal fault, inferred
33	352m NE	ROCK	Coal seam, inferred
34	360m NE	ROCK	Coal seam, observed
35	404m W	FAULT	Normal fault, inferred
36	422m SE	ROCK	Coal seam, inferred
38	461m SW	ROCK	Coal seam, observed
39	480m SW	FAULT	Normal fault, inferred
41	498m SW	ROCK	Coal seam, observed

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



15.1 50k Availability

Records within 500m	1

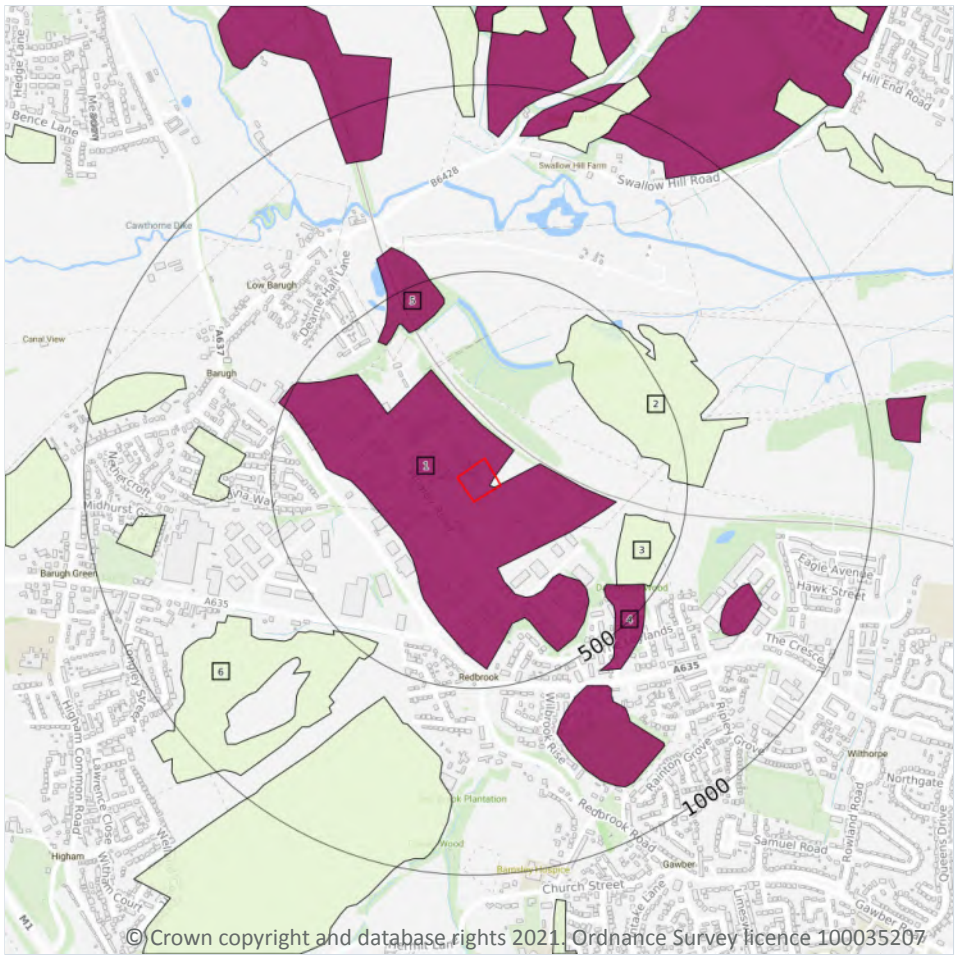
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 84**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW087_barnsley_v4**

This data is sourced from the British Geological Survey.

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



15.2 Artificial and made ground (50k)

Records within 500m **6**

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 85**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**MADE GROUND (UNDIVIDED)**	**ARTIFICIAL DEPOSIT**
2	308m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	342m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
4	389m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

ID	Location	LEX Code	Description	Rock description
5	390m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
6	457m SW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

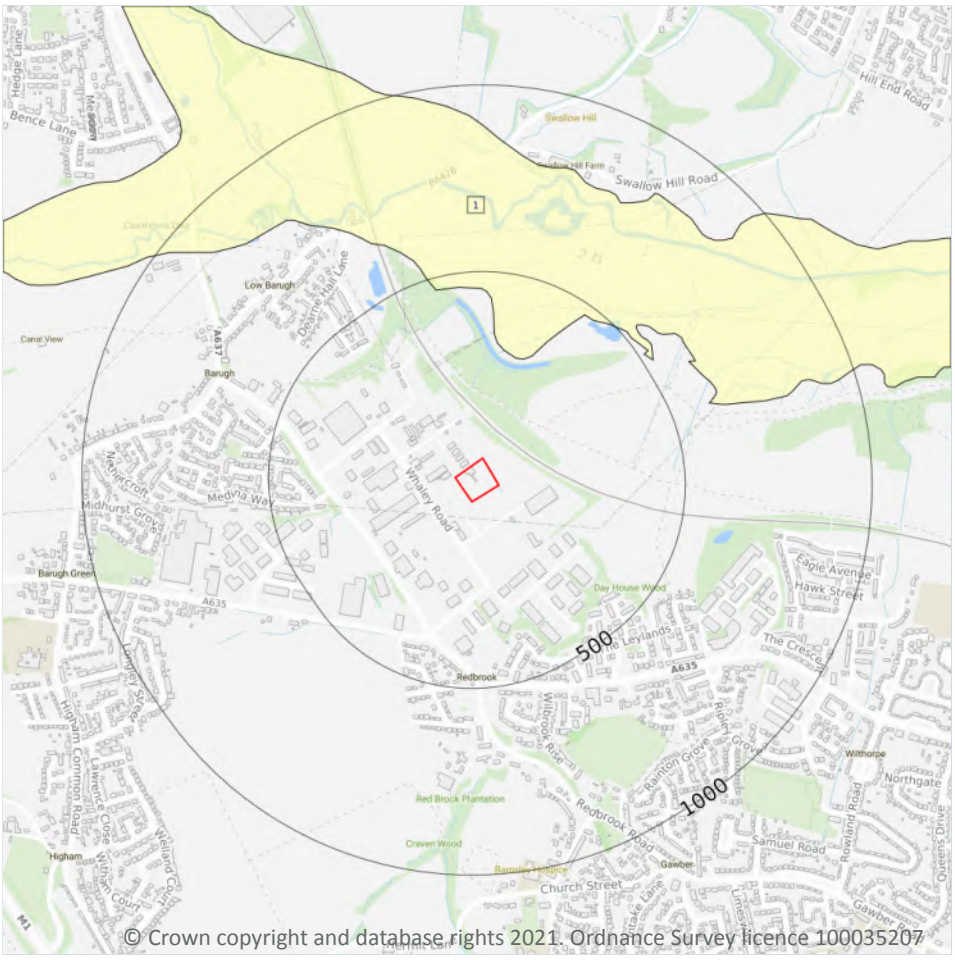
Records within 50m	**1**

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

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m	1

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 87**

ID	Location	LEX Code	Description	Rock description
1	283m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial 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 superficial deposits (the zone between the land surface and the water table).

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 **9**

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 89**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PMCM-MDSS**	**PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
3	11m E	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
5	125m NW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	208m E	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	247m NW	HMR-SDST	HAIGH MOOR ROCK - SANDSTONE	WESTPHALIAN
14	252m NW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
17	289m W	HMR-SDST	HAIGH MOOR ROCK - SANDSTONE	WESTPHALIAN
28	428m E	BNR-SDST	BARNSLEY ROCK - SANDSTONE	WESTPHALIAN
35	486m NE	BNR-SDST	BARNSLEY ROCK - SANDSTONE	WESTPHALIAN

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	**Fracture**	**Moderate**	**Low**
11m S	Fracture	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m **27**

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

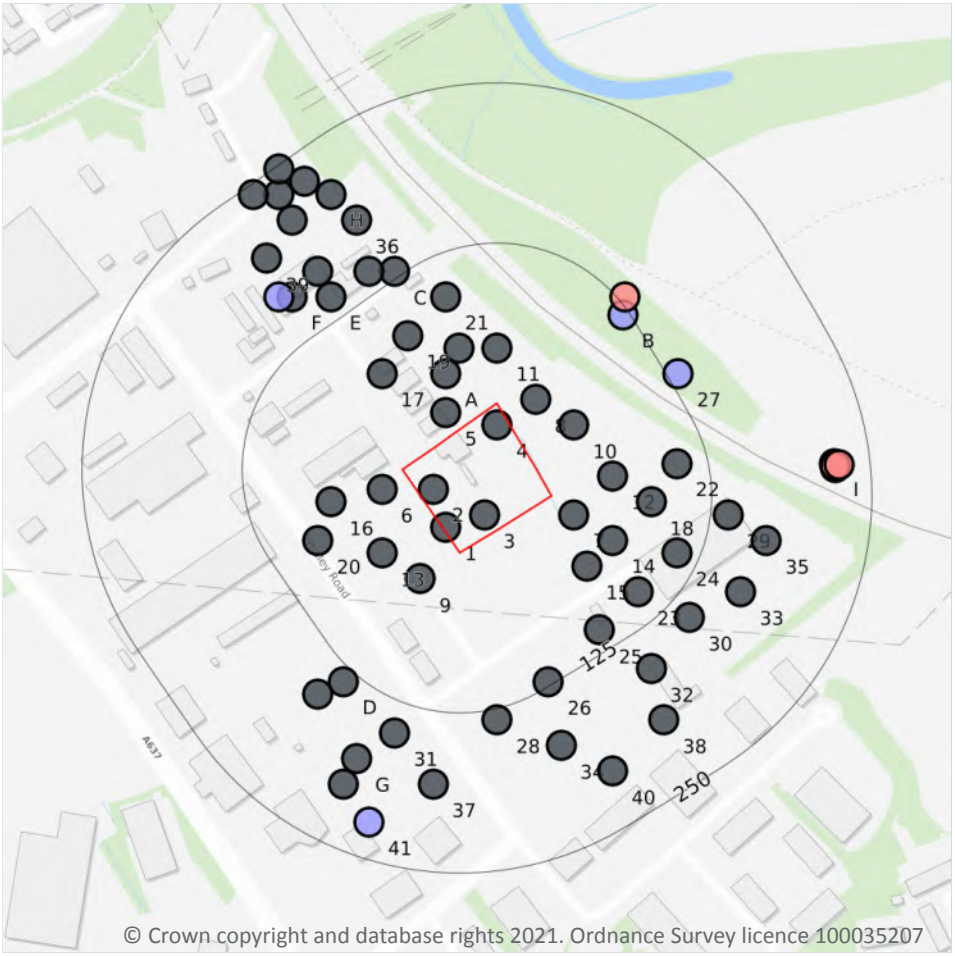
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 89**

ID	Location	Category	Description
2	**On site**	**ROCK**	**Coal seam, inferred**
4	50m W	ROCK	Coal seam, inferred

ID	Location	Category	Description
6	125m NW	FAULT	Fault, inferred
7	125m NW	FAULT	Fault, inferred
8	178m N	ROCK	Coal seam, inferred
9	195m N	FAULT	Fault, inferred
11	247m NW	ROCK	Coal seam, inferred
13	252m NW	FAULT	Fault, inferred
15	265m NW	ROCK	Coal seam, inferred
16	281m NE	ROCK	Coal seam, inferred
18	299m W	ROCK	Coal seam, inferred
19	308m NE	ROCK	Coal seam, inferred
20	332m N	ROCK	Coal seam, inferred
21	341m E	ROCK	Coal seam, inferred
22	342m E	ROCK	Coal seam, inferred
23	352m NE	ROCK	Coal seam, inferred
24	411m SE	ROCK	Coal seam, inferred
25	411m SE	ROCK	Coal seam, inferred
26	420m NW	ROCK	Coal seam, inferred
27	428m E	ROCK	Coal seam, inferred
29	448m NW	ROCK	Coal seam, inferred
30	457m SW	ROCK	Coal seam, inferred
31	460m E	ROCK	Coal seam, inferred
32	462m E	ROCK	Coal seam, inferred
33	468m SE	ROCK	Coal seam, inferred
34	471m NE	ROCK	Coal seam, observed
36	486m NE	ROCK	Coal seam, observed

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	65

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 92**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	432120 408270	AMCO SITE BARUGH GREEN BARNSLEY TP30	-	Y	N/A
2	On site	432110 408300	AMCO SITE BARUGH GREEN BARNSLEY TP29	-	Y	N/A
3	On site	432150 408280	AMCO SITE BARUGH GREEN BARNSLEY TP24	-	Y	N/A

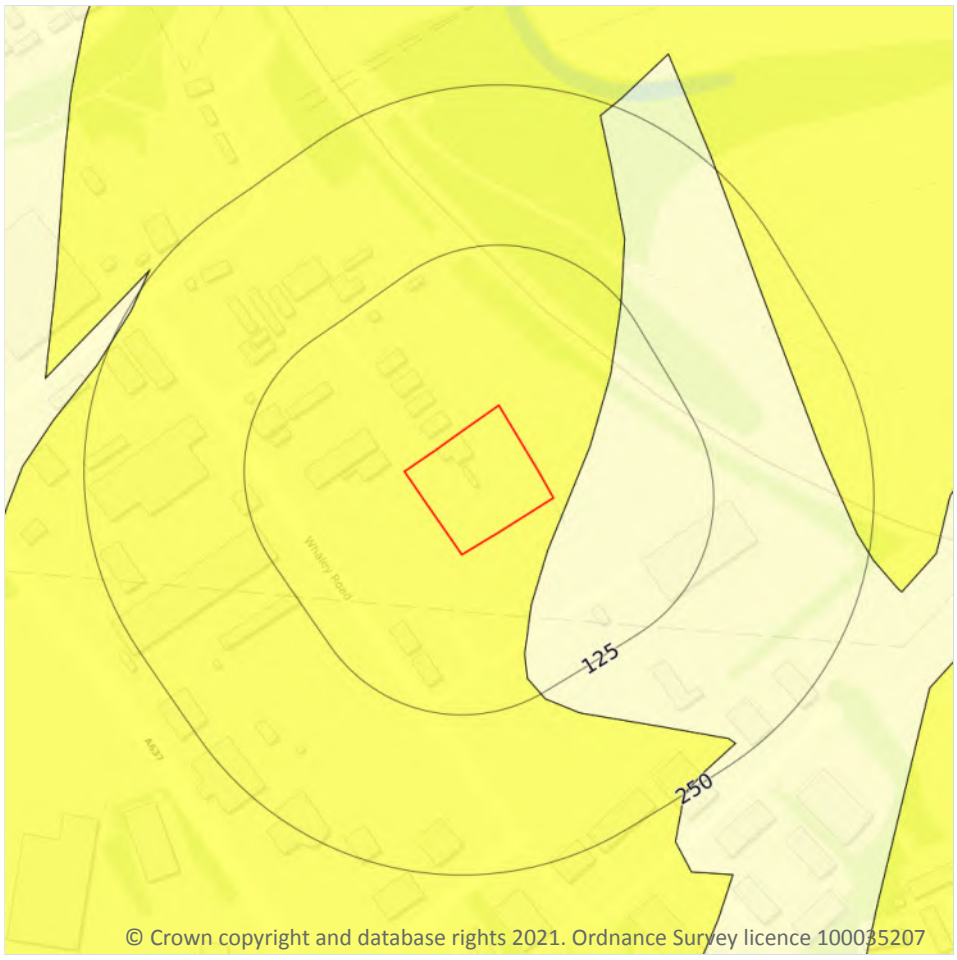
ID	Location	Grid reference	Name	Length	Confidential	Web link
4	**On site**	**432160 408350**	**AMCO SITE BARUGH GREEN BARNSLEY TP33**	**-**	**Y**	**N/A**
5	17m NW	432120 408360	AMCO SITE BARUGH GREEN BARNSLEY TP34	-	Y	N/A
6	22m SW	432070 408300	AMCO SITE BARUGH GREEN BARNSLEY TP35	-	Y	N/A
7	23m SE	432220 408280	AMCO SITE BARUGH GREEN BARNSLEY TP23	-	Y	N/A
8	28m NE	432190 408370	AMCO SITE BARUGH GREEN BARNSLEY 5	-	Y	N/A
9	37m SW	432100 408230	AMCO SITE BARUGH GREEN BARNSLEY TP25	-	Y	N/A
A	42m NW	432120 408390	AMCO SITE BARUGH GREEN BARNSLEY TP39	-	Y	N/A
10	43m NE	432220 408350	AMCO SITE BARUGH GREEN BARNSLEY 3	-	Y	N/A
11	43m N	432160 408410	AMCO SITE BARUGH GREEN BARNSLEY TP32	-	Y	N/A
12	50m E	432250 408310	AMCO SITE BARUGH GREEN BARNSLEY TP22	-	Y	N/A
13	50m SW	432070 408250	AMCO SITE BARUGH GREEN BARNSLEY TP31	-	Y	N/A
A	52m NW	432130 408410	AMCO SITE BARUGH GREEN BARNSLEY TP38	-	Y	N/A
14	59m SE	432250 408260	AMCO SITE BARUGH GREEN BARNSLEY TP18	-	Y	N/A
15	61m SE	432230 408240	AMCO SITE BARUGH GREEN BARNSLEY TP19	-	Y	N/A
16	62m SW	432030 408290	AMCO SITE BARUGH GREEN BARNSLEY TP36	-	Y	N/A
17	71m NW	432070 408390	AMCO SITE BARUGH GREEN BARNSLEY TP41	-	Y	N/A
18	78m E	432280 408290	AMCO SITE BARUGH GREEN BARNSLEY TP17	-	Y	N/A
19	84m NW	432090 408420	AMCO SITE BARUGH GREEN BARNSLEY TP40	-	Y	N/A
20	86m SW	432020 408260	AMCO SITE BARUGH GREEN BARNSLEY TP37	-	Y	N/A
21	92m NW	432120 408450	AMCO SITE BARUGH GREEN BARNSLEY 6	-	Y	N/A
22	101m E	432300 408320	AMCO SITE BARUGH GREEN BARNSLEY TP16	-	Y	N/A
23	101m SE	432270 408220	AMCO SITE BARUGH GREEN BARNSLEY TP12	-	Y	N/A
24	107m SE	432300 408250	AMCO SITE BARUGH GREEN BARNSLEY TP11	-	Y	N/A
25	109m SE	432240 408190	AMCO SITE BARUGH GREEN BARNSLEY TP13	-	Y	N/A
B	120m NE	432258 408436	COALITE WORKS NO.1	-2.0	N	83858
26	122m SE	432200 408150	AMCO SITE BARUGH GREEN BARNSLEY TP14	-	Y	N/A
B	130m NE	432260 408450	LOW TEMPERATURE CARBONIZATION LTD	91.44	N	84423
C	130m NW	432080 408470	AMCO SITE BARUGH GREEN BARNSLEY TP46	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
27	133m NE	432301 408390	COALITE WORKS NO.1	-2.0	N	83859
28	134m S	432160 408120	AMCO SITE BARUGH GREEN BARNSLEY TP15	-	Y	N/A
D	136m SW	432040 408150	CLAYCLIFFE ROAD BARNSLEY TP 1	-	Y	N/A
29	139m E	432340 408280	AMCO SITE BARUGH GREEN BARNSLEY TP10	-	Y	N/A
C	142m NW	432060 408470	AMCO SITE BARUGH GREEN BARNSLEY TP42	-	Y	N/A
E	143m NW	432030 408450	AMCO SITE BARUGH GREEN BARNSLEY TP48	-	Y	N/A
30	143m SE	432310 408200	AMCO SITE BARUGH GREEN BARNSLEY TP6	-	Y	N/A
31	149m S	432080 408110	CLAYCLIFFE ROAD BARNSLEY TP 2	-	Y	N/A
32	155m SE	432280 408160	AMCO SITE BARUGH GREEN BARNSLEY TP7	-	Y	N/A
D	157m SW	432020 408140	CLAYCLIFFE ROAD BARNSLEY TP 8	-	Y	N/A
F	160m NW	432000 408450	AMCO SITE BARUGH GREEN BARNSLEY TP50	-	Y	N/A
E	165m NW	432020 408470	AMCO SITE BARUGH GREEN BARNSLEY TP43	-	Y	N/A
F	165m NW	431990 408450	AMCO BARUGH 2	8.8	N	15623559
33	166m SE	432350 408220	AMCO SITE BARUGH GREEN BARNSLEY TP5	-	Y	N/A
34	170m SE	432210 408100	AMCO SITE BARUGH GREEN BARNSLEY TP9	-	Y	N/A
35	171m E	432370 408260	AMCO SITE BARUGH GREEN BARNSLEY TP4	-	Y	N/A
G	180m SW	432050 408090	CLAYCLIFFE ROAD BARNSLEY TP 7	-	Y	N/A
36	180m NW	432050 408510	AMCO SITE BARUGH GREEN BARNSLEY TP49	-	Y	N/A
37	182m S	432110 408070	CLAYCLIFFE ROAD BARNSLEY TP 3	-	Y	N/A
38	195m SE	432290 408120	AMCO SITE BARUGH GREEN BARNSLEY TP3	-	Y	N/A
39	196m NW	431980 408480	AMCO SITE BARUGH GREEN BARNSLEY TP44	-	Y	N/A
G	202m SW	432040 408070	CLAYCLIFFE ROAD BARNSLEY TP 6	-	Y	N/A
40	208m SE	432250 408080	REDBROOK BARNSLEY 3/R3	-	Y	N/A
H	208m NW	432030 408530	AMCO SITE BARUGH GREEN BARNSLEY 7	-	Y	N/A
H	209m NW	432000 408510	AMCO SITE BARUGH GREEN BARNSLEY TP45	-	Y	N/A
41	222m S	432060 408040	CLAYCLIFFE ROAD BARNSLEY 10	2.5	N	16118785
I	222m E	432423 408320	BARSNLEY MOTOR TRANSPORT WORKSHOPS	40.0	N	83916
I	223m E	432424 408317	DODWORTH COLLIERY UGBH 7	45.21	N	83915

ID	Location	Grid reference	Name	Length	Confidential	Web link
I	223m E	432424 408318	NEW LODGE NO.3 BH	444.94	N	83917
I	226m E	432427 408319	DODWORTH COLLIERY NO.6 UGBH	64.09	N	83920
H	228m NW	432010 408540	BARUGH SUB STATION EXTENSION 3	-	Y	N/A
H	231m NW	431990 408530	BARUGH SUB STATION EXTENSION 2	-	Y	N/A
H	243m NW	431970 408530	BARUGH SUB STATION EXTENSION 1	-	Y	N/A
H	247m NW	431990 408550	BARUGH SUB STATION EXTENSION 4	-	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

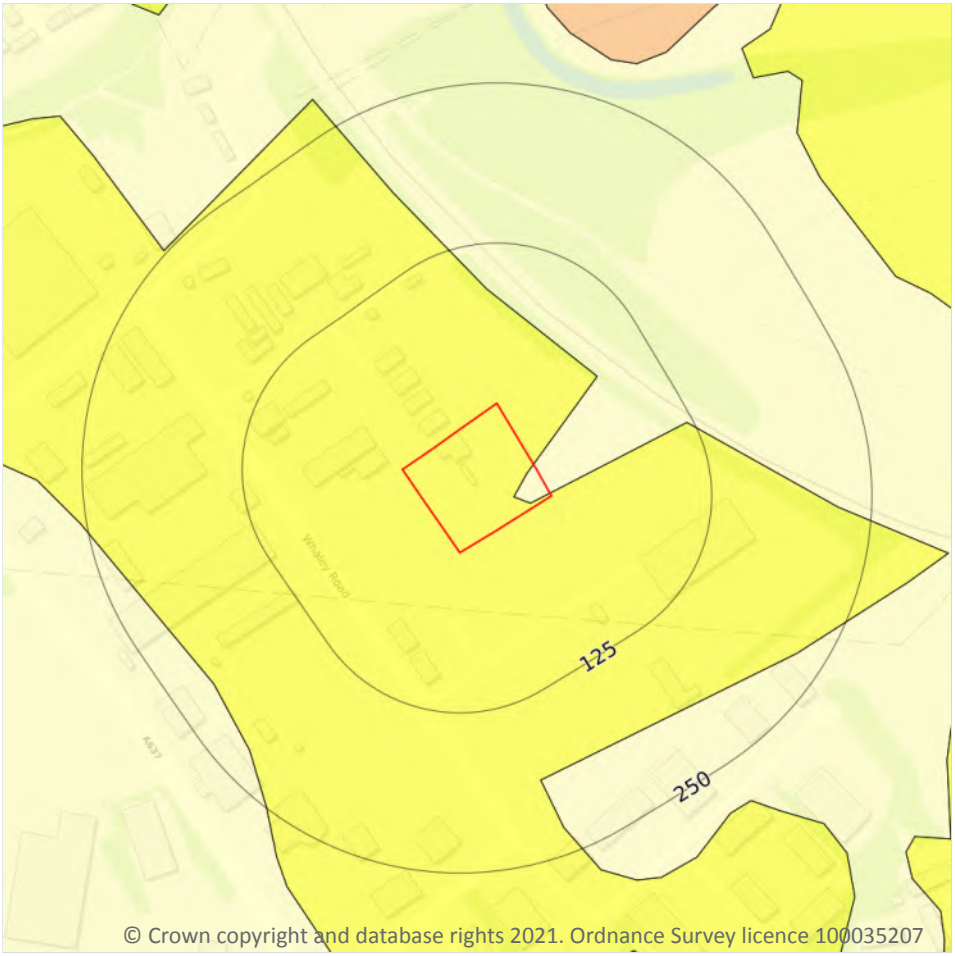
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 96**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**
11m E	Negligible	Ground conditions predominantly non-plastic.

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.

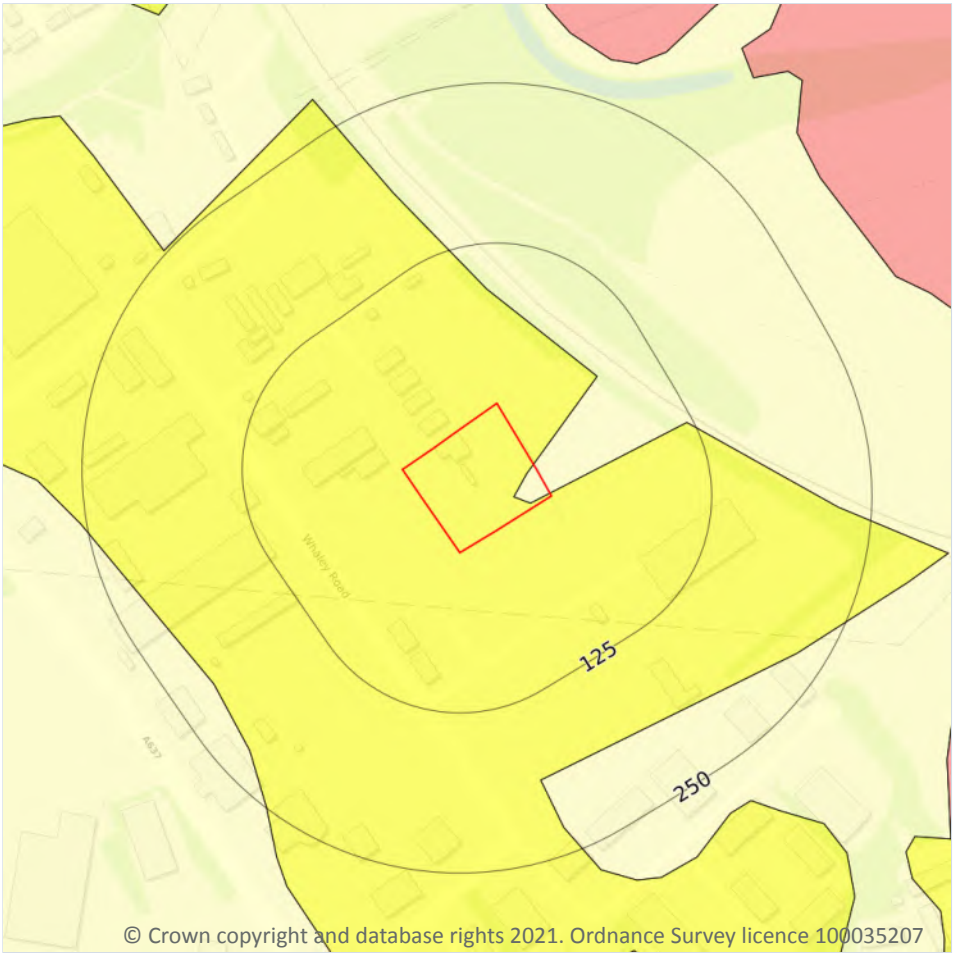
Features are displayed on the Natural ground subsidence - Running sands map on **page 97**

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

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

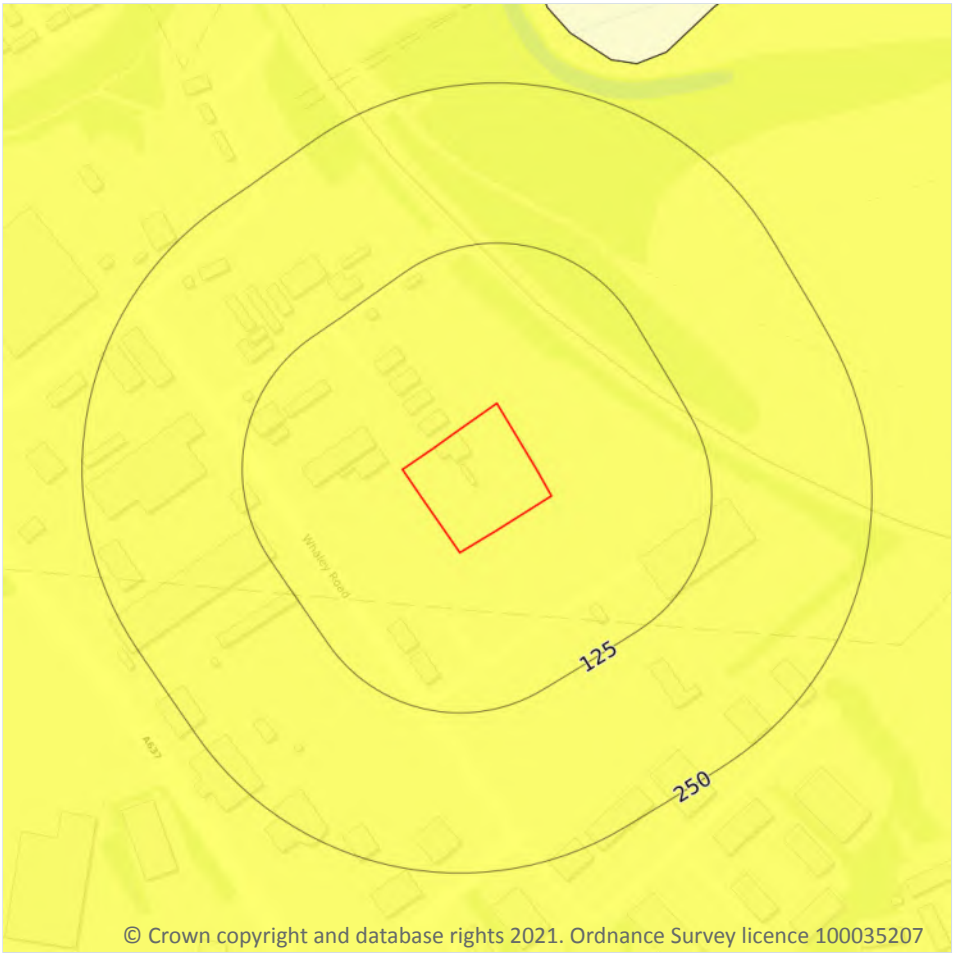
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 99**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
On site	**Very low**	**Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.**

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

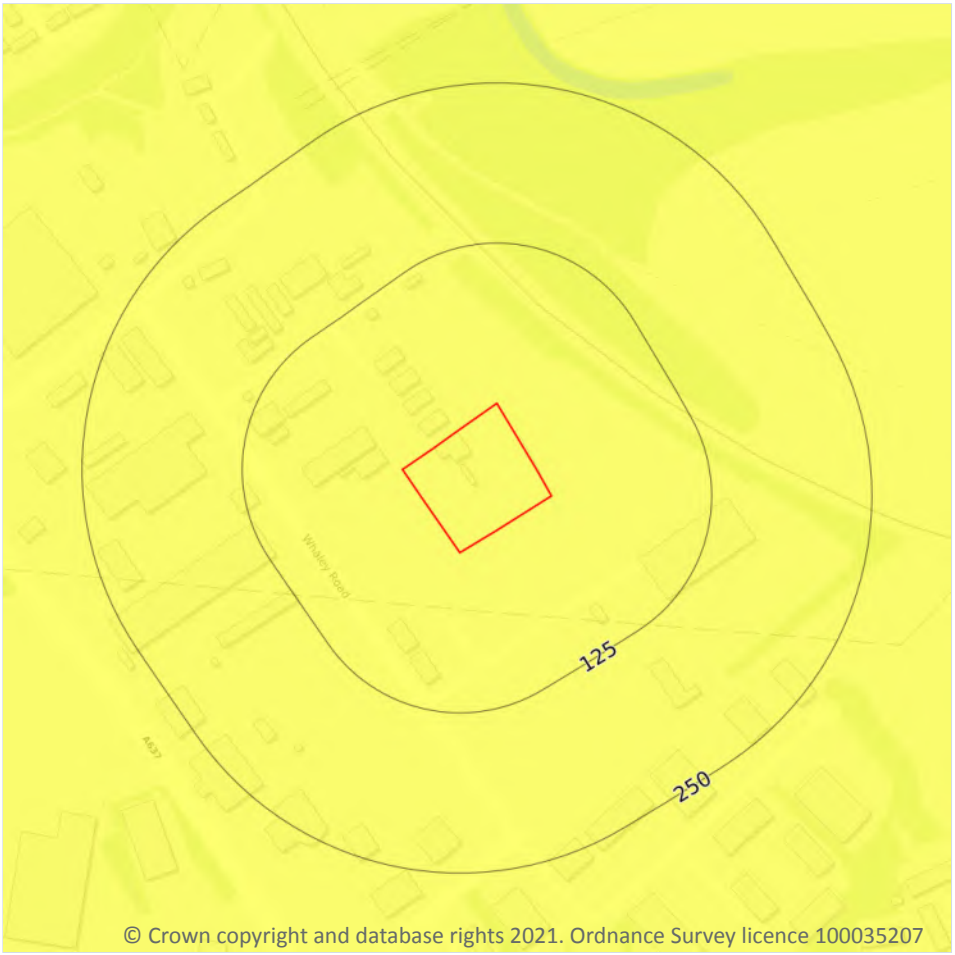
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

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

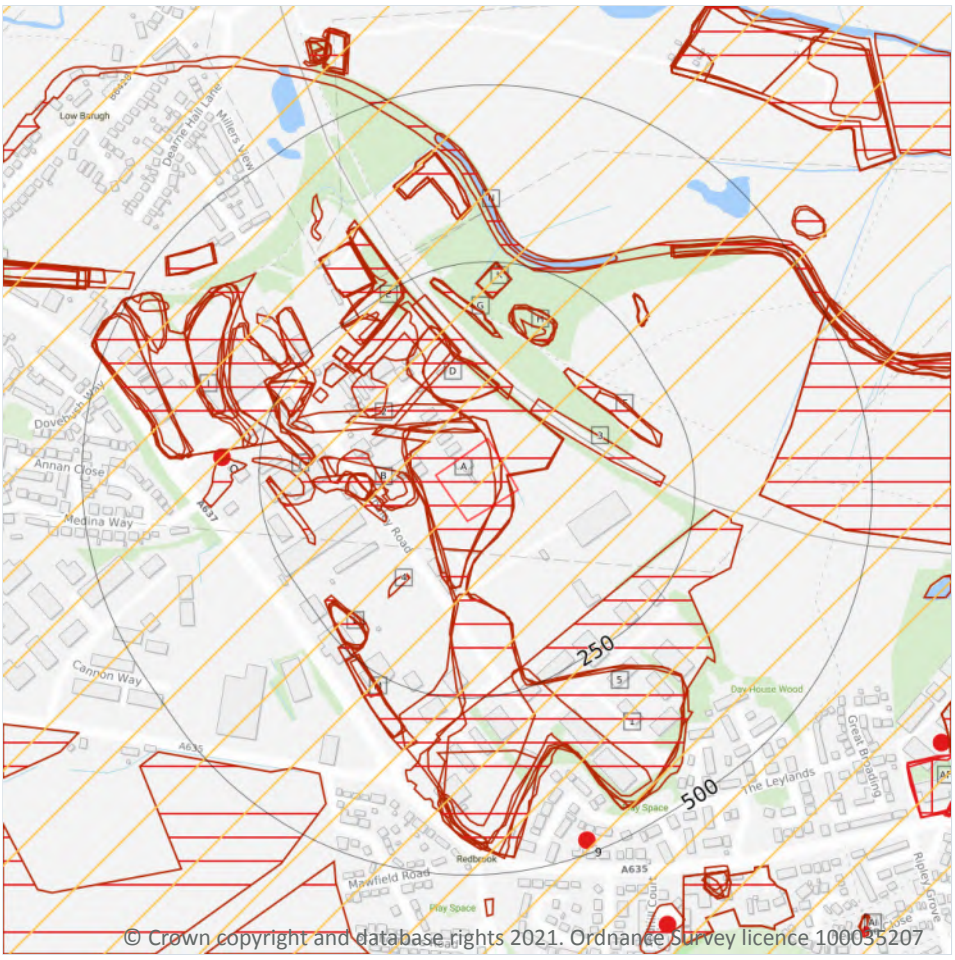
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

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	2

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
O	303m W	Name: Clay Cliff Quarry Address: Barugh, BARNSLEY, South Yorkshire Commodity: Sandstone 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
9	481m S	Name: Whalley Road OCCS Address: Gawber, BARNSLEY, South Yorkshire Commodity: Coal, Surface Mined 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	65

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

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

ID	Location	Land Use	Year of mapping	Mapping scale
1	**On site**	**Refuse Heap**	**1966**	**1:10560**
A	**On site**	**Refuse Heap**	**1948**	**1:10560**
A	**On site**	**Refuse Heap**	**1948**	**1:10560**
A	**On site**	**Unspecified Disused Tip**	**1973**	**1:10000**
A	**On site**	**Refuse Heap**	**1951**	**1:10560**
B	33m SW	Unspecified Pit	1973	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
B	36m W	Pond	1966	1:10560
C	41m S	Unspecified Disused Tip	1973	1:10000
2	45m NW	Refuse Heap	1951	1:10560
D	60m N	Pond	1951	1:10560
D	60m N	Pond	1948	1:10560
D	63m NE	Cuttings	1993	1:10000
3	70m NE	Cuttings	1850	1:10560
B	71m W	Ponds	1929	1:10560
B	87m W	Refuse Heap	1929	1:10560
B	89m W	Refuse Heap	1948	1:10560
B	89m W	Refuse Heap	1948	1:10560
E	91m NW	Refuse Heaps	1929	1:10560
B	92m W	Refuse Heap	1951	1:10560
C	104m S	Unspecified Disused Tip	1982	1:10000
4	114m SW	Refuse Heap	1929	1:10560
E	118m NW	Refuse Heap	1929	1:10560
F	143m NE	Refuse Heap	1948	1:10560
F	143m NE	Refuse Heap	1948	1:10560
G	144m N	Refuse Heap	1929	1:10560
G	148m N	Refuse Heap	1948	1:10560
G	148m N	Refuse Heap	1948	1:10560
H	150m NE	Refuse Heap	1948	1:10560
H	150m NE	Refuse Heap	1948	1:10560
H	150m NE	Refuse Heap	1951	1:10560
H	153m NE	Refuse Heap	1929	1:10560
F	155m NE	Cuttings	1929	1:10560
I	171m W	Refuse Heaps	1948	1:10560
I	171m W	Refuse Heaps	1948	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
J	172m W	Refuse Heap	1973	1:10000
E	175m W	Refuse Heap	1929	1:10560
E	177m W	Refuse Heaps	1951	1:10560
E	183m W	Refuse Heap	1973	1:10000
E	185m NW	Ponds	1929	1:10560
E	185m NW	Ponds	1948	1:10560
E	190m NW	Pond	1929	1:10560
E	191m NW	Pond	1973	1:10000
E	191m NW	Pond	1966	1:10560
J	192m SW	Unspecified Ground Workings	1966	1:10560
5	197m SE	Unspecified Disused Workings	1993	1:10000
K	198m N	Ponds	1929	1:10560
K	199m N	Ponds	1948	1:10560
L	203m SW	Refuse Heap	1966	1:10560
L	206m SW	Refuse Heap	1951	1:10560
E	210m NW	Pond	1929	1:10560
L	210m SW	Refuse Heap	1948	1:10560
L	210m SW	Refuse Heap	1948	1:10560
L	212m SW	Refuse Heap	1929	1:10560
E	212m NW	Refuse Heap	1951	1:10560
E	212m NW	Ponds	1948	1:10560
E	213m NW	Ponds	1951	1:10560
E	214m NW	Ponds	1929	1:10560
C	221m S	Refuse Heap	1951	1:10560
E	222m NW	Refuse Heap	1948	1:10560
E	222m NW	Refuse Heap	1948	1:10560
M	241m SW	Cuttings	1948	1:10560
M	243m SW	Cuttings	1951	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
M	246m SW	Cuttings	1966	1:10560
N	247m N	Canal	1850	1:10560
M	248m SW	Cuttings	1929	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	**13**

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

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

ID	Location	Land Use	Year of mapping	Mapping scale
AF	672m SE	Unspecified Mine	1982	1:10000
AF	673m SE	Unspecified Mine	1966	1:10560
AF	676m SE	Unspecified Mine	1973	1:10000
-	730m SE	Colliery	1951	1:10560
AH	730m SE	Colliery	1904	1:10560
AH	732m SE	Colliery	1948	1:10560
-	766m SE	Unspecified Old Shafts	1951	1:10560
-	766m SE	Unspecified Old Shafts	1951	1:10560
-	769m SE	Unspecified Old Shafts	1948	1:10560
-	769m SE	Unspecified Old Shafts	1948	1:10560
AI	789m SE	Unspecified Shaft	1951	1:10560
AI	791m SE	Unspecified Shaft	1948	1:10560
-	838m N	Disused Colliery	1951	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	1

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
A	**On site**	**Not available**	**Iron Ore (Bedded)**	**B**	**Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered**

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	1

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

Location	Details
On site	**The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.**

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0

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

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

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

18.13 Clay mining

Records on site	0

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

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

19 Radon

Site Outline

Search buffers in metres (m)

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

19.1 Radon

Records on site	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 112**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 1% and 3%**	**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	1

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**90 - 120 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 km^2).

This data is sourced from the British Geological Survey.

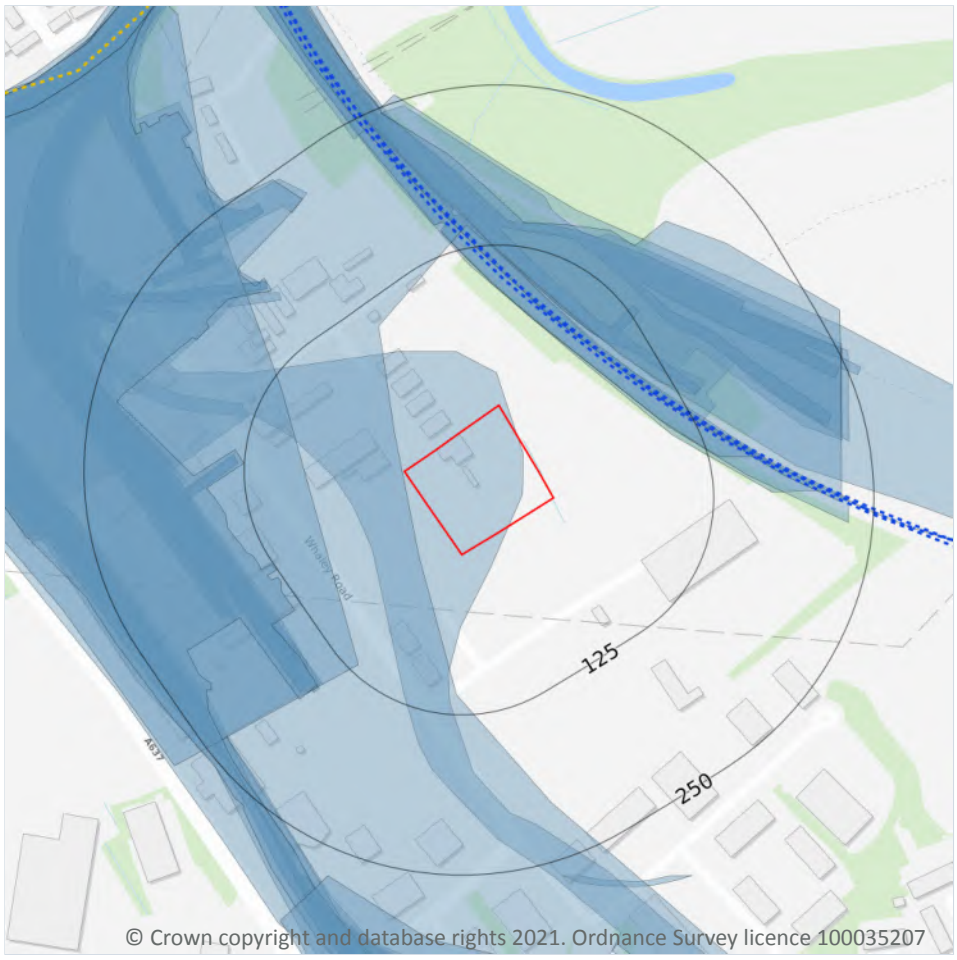
20.3 BGS Measured Urban Soil Chemistry

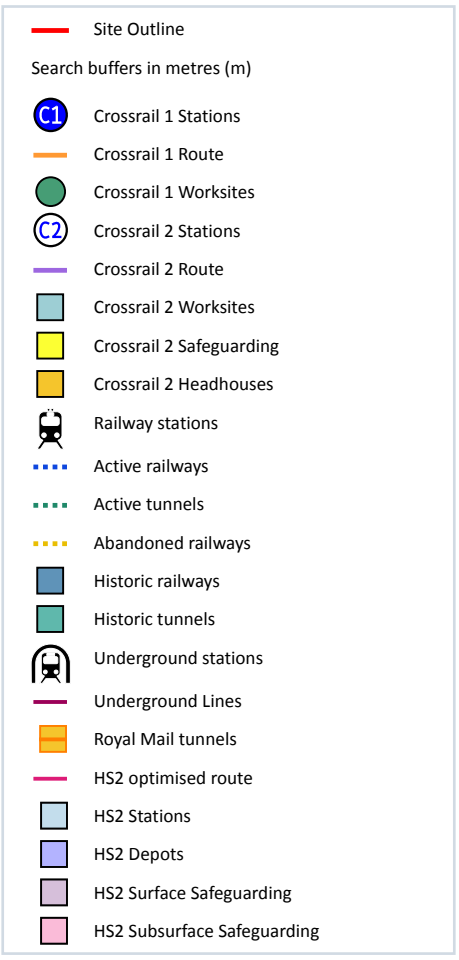
Records within 50m	0

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

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects





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	17

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 114**

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway Sidings**	**1948**	**10560**
2m W	Railway Sidings	1951	10560
69m NE	Railway	1931	-
69m NE	Railway	1906	-
70m NE	Railway	1891	-
75m W	Railway Sidings	1966	10560
80m NE	Railway Sidings	1929	10560
89m NE	Railway Sidings	1938	10560
125m W	Railway Sidings	1929	10560
130m W	Railway Sidings	1938	10560
131m W	Railway Sidings	1961	2500
147m SW	Railway Sidings	1961	2500
212m NW	Railway Sidings	1986	2500
212m NW	Railway Sidings	1987	2500
214m N	Railway Sidings	1978	2500
240m NW	Railway Sidings	1961	2500
246m NE	Railway Sidings	1929	10560

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	4

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 114**

Location	Name	Type
78m NE	Hallam Line	rail
81m NE	Not given	Multi Track
82m NE	Hallam Line	rail
243m E	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.

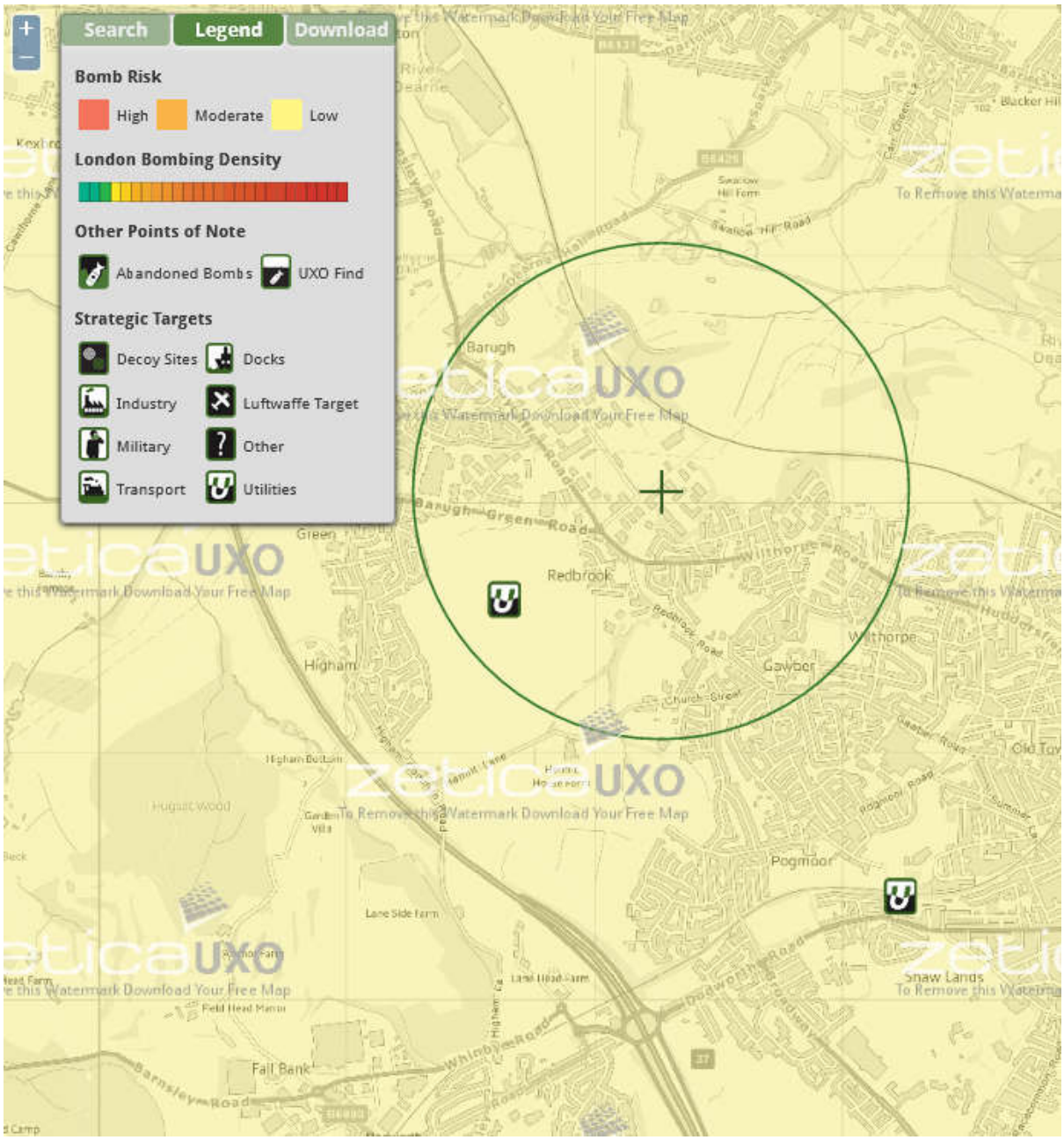
Data providers

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.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: https://www.groundsure.com/terms-and-conditions-jan-2020/.

Appendix F – Zetica – Regional Unexploded Bomb Risk Map



Appendix G – GroundSure® Consultants Coal Mining Report

The Coal Authority

Consultants

Coal Mining Report

Whaley Road, Barugh, Barnsley, S75
1ht
South Yorkshire

Date of enquiry:	**16 July 2021**
Date enquiry received:	**16 July 2021**
Issue date:	**16 July 2021**
Our reference:	**51002563731001**
Your reference:	**GS-8047020**

Consultants

Coal Mining Report

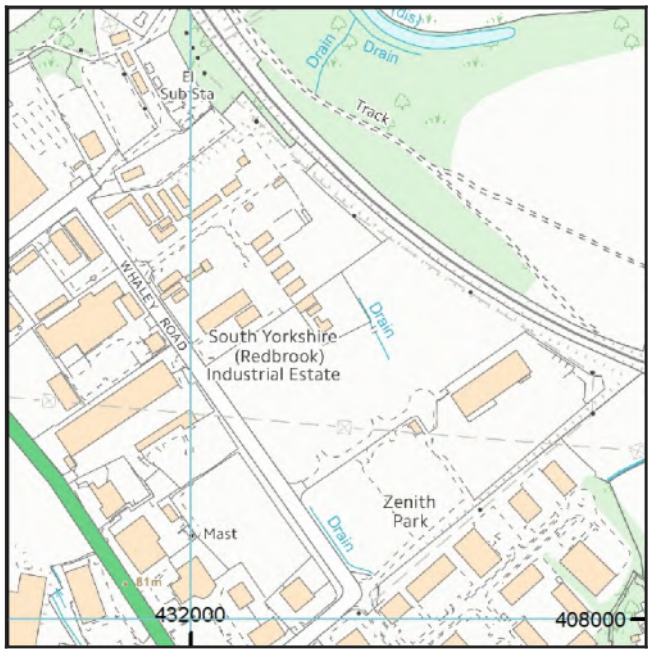
This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

GROUNDSURE LIMITED

Enquiry address

Whaley Road, Barugh, Barnsley, S75 1ht
South Yorkshire



Approximate position of property

Map data

How to contact us

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Mansfield
Nottinghamshire
NG18 4RG

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/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
DODWORTH	FLOCKTON THICK	Coal	6NHT	126	North-West	5.4	East	60	1955
DODWORTH	FLOCKTON THICK	Coal	6YND	152	Beneath Property	5.2	North-East	76	1949
DODWORTH	TOP FENTON	Coal	6YN8	191	Beneath Property	5.3	North-East	81	1938
DODWORTH	SILKSTONE	Coal	6NDW	277	South-West	3.0	North-East	100	1978
DODWORTH	SILKSTONE	Coal	6YNG	286	Beneath Property	3.9	North-East	90	1978
DODWORTH	SILKSTONE	Coal	X58	289	Beneath Property	3.4	North-East	100	1981
WOOLLEY	WHINMOOR	Coal	6NFV	321	South-West	4.4	North-East	115	1979
WOOLLEY/REDBROOK	WHINMOOR	Coal	6Z74	328	South	4.7	North-East	117	1979
WOOLLEY/REDBROOK	WHINMOOR	Coal	6YNH	335	South-East	4.4	East	109	1979
WOOLLEY/REDBROOK	WHINMOOR	Coal	Z90	338	South-East	4.0	East	115	1985

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

NE722	NE584	NE919
NE1034	SCC5	PO0
NE762		

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

Please refer to the "Summary of findings" map (on separate sheet) for details of any opencast areas within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations
None recorded within 50 metres of the enquiry boundary.

Remediated sites
None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence
The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas
None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes
None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

Section 46 notices
No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices
The property is in an area where notices to withdraw support were given in 1982 and 1987.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land
The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk.**

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines
Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips
Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations
Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites
Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence
Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas
Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes
Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining
Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing
Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders
Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices
Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices
Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

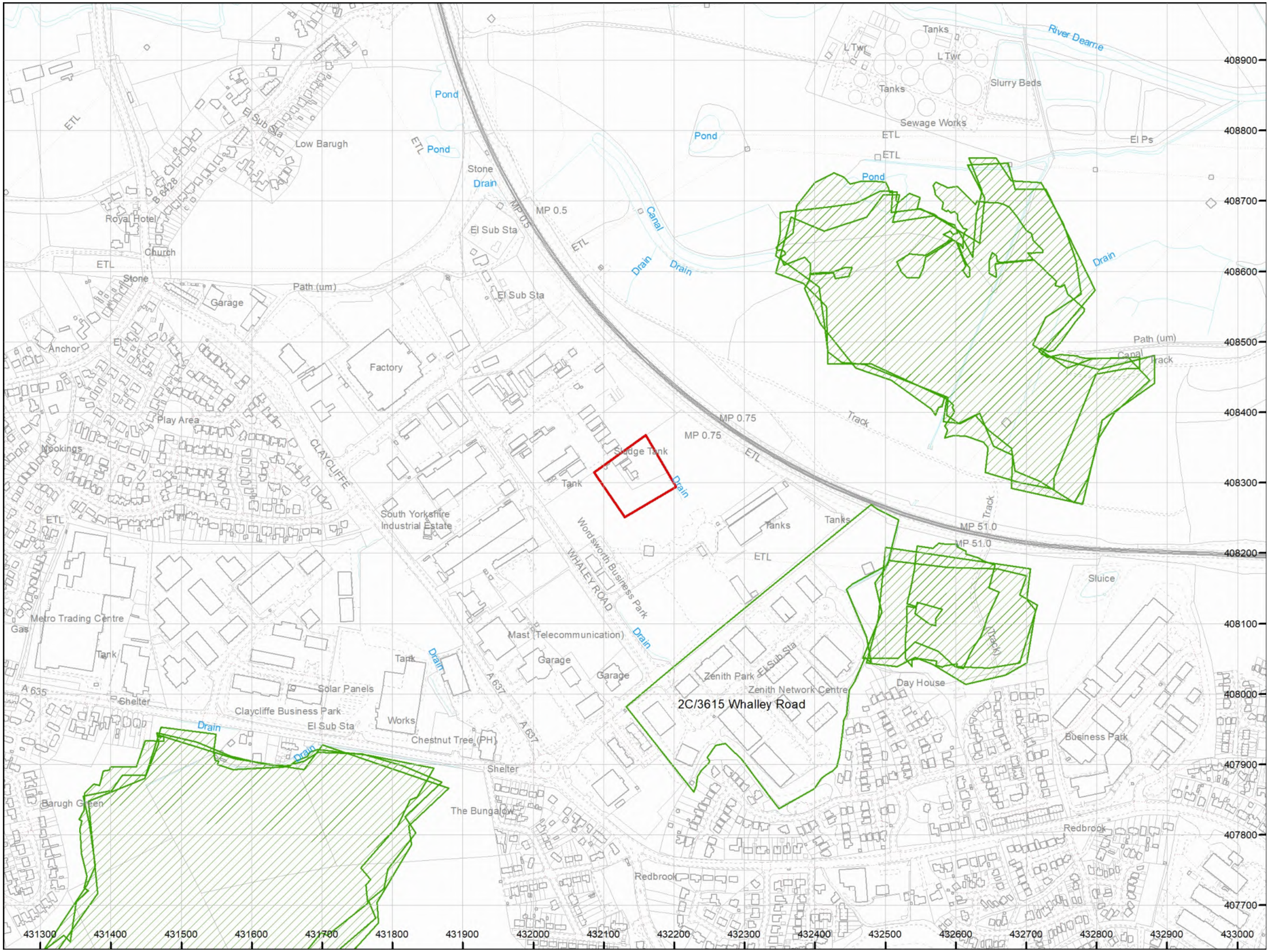
The Coal Authority

Summary of findings

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

- Approximate position of the enquiry boundary shown
- Opencast mine licence area
- Unlicensed opencast site



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Appendix H – CIRIA Risk Classification Scheme

Risk Assessment Classification (After CIRIA Report C552, Contaminated Land Risk Assessment: A Guide to Good Practice, 2001)

CIRIA Report C552, Contaminated Land Risk Assessment A Guide to Good Practice, 2001 sets out a methodology for estimating risk. The methodology for risk evaluation is a qualitative method for interpreting the output for the risk estimation stage of the assessment. It involves the classification of the:

- Magnitude of the potential consequence (severity) of risk occurring.
- Magnitude of the probability (likelihood) of the risk occurring.

The classification of consequence and probability are set out in table A1 and A2 below:

Table A1 Classification of Consequence

Classification	Definition	Examples
Severe (Sv)	Short term (acute) risk to human health likely to result in "significant harm" as defined by the Environment protection Act 1990, Part IIA. Short term risk of pollution of controlled waters. Catastrophic damage to buildings / property. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem	High concentrations of cyanide on the surface of an informal recreation area Major spillage of contaminants from site into controlled water. Explosion causing building collapse (can also equate to a short-term human health risk if buildings are occupied.)
Medium (Md)	Chronic damage to Human Health ("significant harm"). Pollution of controlled waters. A significant change in a particular ecosystem, organism forming part such ecosystem.	Concentrations of contaminants from site exceeding generic or site-specific screening criteria. Leaching of contaminants into a major or minor aquifer. Death of species within a designated nature reserve.
Mild (Mi)	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures, and services. Damage to sensitive buildings / structures / services or the environment.	Pollution of non-classified groundwater. Damage to building, rendering it unsafe to occupy (e.g., foundation damage resulting in instability)
Minor (Mr)	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by measures such as protective clothing etc). Easily repairable effects of damage to buildings, structures, and services.	The presence of contaminants at such concentrations that protective equipment is required during site work. The loss of plants in a landscaping scheme. Discolouration of concrete.

The classification of consequence does not take into account the probability of the consequence being realised. Therefore there may be more than one consequence for a particular pollutant linkage. Both a severe and medium classification can result in death. Severe relates to short term (acute) risk while medium relates to long term (chronic) risk. Mild relates to significant harm but to less sensitive receptors. Minor classification relates to harm which is not significant but could have a financial cost.

Table A2 Classification of Probability

Classification	Definition
High likelihood (Hi)	There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable in the long term, or there is evidence at the receptor or harm or pollution.
Likely (Li)	There is a pollutant linkage, and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low likelihood (Lw)	There is a pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the short term.
Unlikely (Ul)	There is a pollutant linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

The classification gives a guide as to the severity and consequence of identified risk when compared with other risk presented on the site. It should be noted that if a risk is identified it cannot be classified as “no risk” but as “very low risk”. Differing stakeholders may have a different view on the acceptability of a risk.

Once the consequence and probability have been classified these can be compared using a matrix (**Table A3**) to identify an overall risk category. These categories and the actions required are categorised in **Table A4**.

Table A3 Risk Evaluation Matrix

		Consequence			
		Severe (Sv)	Medium (Md)	Mild (Mi)	Minor (Mr)
Probability	High likelihood (Hi)	Very High Risk (VH)	High Risk (H)	Moderate Risk (M)	Mod/Low Risk (M/L)
	Likely (Li)	High Risk (H)	Moderate Risk (M)	Mod/Low Risk (M/L)	Low Risk (L)
	Low likelihood (Lw)	Moderate Risk (M)	Mod/Low Risk (M/L)	Low Risk (L)	Very Low Risk (VL)
	Unlikely (Ul)	Mod/Low Risk (M/L)	Low Risk (L)	Very Low Risk (VL)	Very Low Risk (VL)

Table A4 Risk Categorisations

Very High Risk (VH)	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High Risk (H)	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer-term.
Moderate Risk (M)	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.
Low Risk (L)	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low Risk (VL)	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

References

1. Rudland, D J, Lancefield, R M, Mayell, P N; 2001; Contaminated land Risk Assessment. A guide to Good Practice; CIRIA Report C552.

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BYRNELOOBY

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